

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-65-211-D1	DW-65-211-D1	211.00	MP	X		4W	No	D1	IA-12	3Q18	460164206-1-10	9/6/2018	X	X
On-Site	DW-65-199-D1	DW-65-199-D1	199.00	MP	X		4W	No	D1	IA-12	3Q18	460164206-1-11	9/6/2018	X	X
On-Site	DW-65-185-D1	DW-65-185-D1	185.00	MP	X		4W	No	D1	IA-12	3Q18	460164206-1-12	9/6/2018	X	X
On-Site	DW-65-176-D1	DW-65-176-D1	176.00	MP	X		4W	No	D1	IA-12	3Q18	460164206-1-13	9/6/2018	X	X
On-Site	DW-65-167-D1	DW-65-167-D1	167.00	MP	X		4W	No	D1	IA-12	3Q18	460164206-1-14	9/6/2018	X	X
On-Site	DW-65-154-D1	DW-65-154-D1	154.00	MP	X		3W	No	D1	IA-12	3Q18	460164206-1-15	9/6/2018	X	X
On-Site	DW-65-145-D1	DW-65-145-D1	145.00	MP	X		3W	No	D1	IA-12	3Q18	460164206-1-16	9/6/2018	X	X
On-Site	DW-65-136-S3	DW-65-136-S3	136.00	MP	X		3W	No	S3	IA-12	3Q18	460164206-1-17	9/6/2018	X	X
On-Site	DW-65-126-S3	DW-65-126-S3	126.00	MP	X		3W	No	S3	IA-12	3Q18	460164206-1-18	9/6/2018	X	X
On-Site	DW-65-119-S3	DW-65-119-S3	119.00	MP	X		3W	No	S3	IA-12	3Q18	460164206-1-19	9/6/2018	X	X
On-Site	DW-65-350-D2	DW-65-350-D2	350.00	MP	X		5W	No	D2	IA-12	3Q18	460164206-1-2	9/6/2018	X	X
On-Site	DW-65-105-S3	DW-65-105-S3	105.00	MP	X		3W	No	S3	IA-12	3Q18	460164206-1-20	9/6/2018	X	X
On-Site	DW-65-96-S3	DW-65-96-S3	96.00	MP	X		2W	No	S3	IA-12	3Q18	460164206-1-21	9/6/2018	X	X
On-Site	DW-65-91-S3	DW-65-91-S3	91.00	MP	X		2W	No	S3	IA-12	3Q18	460164206-1-22	9/6/2018	X	X
On-Site	DW-65-84-S2	DW-65-84-S2	84.00	MP	X		2W	No	S2	IA-12	3Q18	460164206-1-23	9/6/2018	X	X
On-Site	DW-65-73-S2(A)	DW-65-73-S2	73.00	MP	X		2W	No	S2	IA-12	3Q18	460164206-1-24	9/6/2018	X	X
On-Site	DW-65-73-S2(B)	DW-65-73-S2	73.00	MP		X	2W	No	S2	IA-12	3Q18	460164206-1-25	9/6/2018	X	X
On-Site	DW-65-66-S2	DW-65-66-S2	66.00	MP	X		2W	No	S2	IA-12	3Q18	460164206-1-26	9/6/2018	X	X
On-Site	DW-65-60-S2	DW-65-60-S2	60.00	MP	X		2W	No	S2	IA-12	3Q18	460164206-1-27	9/6/2018	X	X
On-Site	DW-65-331-D2	DW-65-331-D2	331.00	MP	X		5W	No	D2	IA-12	3Q18	460164206-1-3	9/6/2018	X	X
On-Site	DW-65-302-D2	DW-65-302-D2	302.00	MP	X		5W	No	D2	IA-12	3Q18	460164206-1-4	9/6/2018	X	X
On-Site	DW-65-262-D2	DW-65-262-D2	262.00	MP	X		5W	No	D2	IA-12	3Q18	460164206-1-5	9/6/2018	X	X
On-Site	DW-65-249-D2	DW-65-249-D2	249.00	MP	X		5W	No	D2	IA-12	3Q18	460164206-1-6	9/6/2018	X	X
On-Site	DW-65-239-D2(A)	DW-65-239-D2	239.00	MP	X		5W	No	D2	IA-12	3Q18	460164206-1-7	9/6/2018	X	X
On-Site	DW-65-239-D2(B)	DW-65-239-D2	239.00	MP		X	5W	No	D2	IA-12	3Q18	460164206-1-8	9/6/2018	X	X
On-Site	DW-65-221-D1	DW-65-221-D1	221.00	MP	X		5W	No	D1	IA-12	3Q18	460164206-1-9	9/6/2018	X	X
Off-site	DW-72-375-D2	DW-72-375-D2	375.00	MP	X		5E	No	D2	N/A	3Q18	460164206-1-30	9/7/2018	X	X
Off-site	DW-72-330-D2	DW-72-330-D2	330.00	MP	X		5E	No	D2	N/A	3Q18	460164206-1-31	9/7/2018	X	X
Off-site	DW-72-316-D2	DW-72-316-D2	316.00	MP	X		5E	No	D2	N/A	3Q18	460164206-1-32	9/7/2018	X	X
Off-site	DW-72-299-D2(A)	DW-72-299-D2	299.00	MP	X		5E	No	D2	N/A	3Q18	460164206-1-33	9/7/2018	X	X
Off-site	DW-72-299-D2(B)	DW-72-299-D2	299.00	MP		X	5E	No	D2	N/A	3Q18	460164206-1-34	9/7/2018	X	X
Off-site	DW-72-288-D2	DW-72-288-D2	288.00	MP	X		5E	No	D2	N/A	3Q18	460164206-1-35	9/7/2018	X	X
Off-site	DW-72-276-D2	DW-72-276-D2	276.00	MP	X		5E	No	D2	N/A	3Q18	460164206-1-36	9/7/2018	X	X
Off-site	DW-72-263-D2	DW-72-263-D2	263.00	MP	X		5E	No	D2	N/A	3Q18	460164206-1-37	9/7/2018	X	X
Off-site	DW-72-246-D1	DW-72-246-D1	246.00	MP	X		5E	No	D1	N/A	3Q18	460164206-1-38	9/7/2018	X	X
Off-site	DW-72-237-D1	DW-72-237-D1	237.00	MP	X		5E	No	D1	N/A	3Q18	460164206-1-39	9/7/2018	X	X

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Off-site	DW-72-224-D1	DW-72-224-D1	224.00	MP	X		5E	No	D1	N/A	3Q18	460164206-1-40	9/7/2018	X	X
Off-site	DW-72-217-D1	DW-72-217-D1	217.00	MP	X		5E	No	D1	N/A	3Q18	460164206-1-41	9/7/2018	X	X
Off-site	DW-72-202-D1	DW-72-202-D1	202.00	MP	X		5E	No	D1	N/A	3Q18	460164206-1-42	9/7/2018	X	X
Off-site	DW-72-176-D1	DW-72-176-D1	176.00	MP	X		5E	No	D1	N/A	3Q18	460164206-1-43	9/7/2018	X	X
Off-site	DW-72-167-D1	DW-72-167-D1	167.00	MP	X		5E	No	D1	N/A	3Q18	460164206-1-44	9/7/2018	X	X
Off-site	DW-72-146-S3	DW-72-146-S3	146.00	MP	X		4E	No	S3	N/A	3Q18	460164206-1-45	9/7/2018	X	X
Off-site	DW-72-136-S3	DW-72-136-S3	136.00	MP	X		4E	No	S3	N/A	3Q18	460164206-1-46	9/7/2018	X	X
Off-site	DW-72-120-S3	DW-72-120-S3	120.00	MP	X		4E	No	S3	N/A	3Q18	460164206-1-47	9/7/2018	X	X
Off-site	DW-72-113-S3	DW-72-113-S3	113.00	MP	X		4E	No	S3	N/A	3Q18	460164206-1-48	9/7/2018	X	X
Off-site	DW-72-99-S2(A)	DW-72-99-S2	99.00	MP	X		3E	No	S2	N/A	3Q18	460164206-1-49	9/7/2018	X	X
Off-site	DW-72-99-S2(B)	DW-72-99-S2	99.00	MP	X	X	3E	No	S2	N/A	3Q18	460164206-1-50	9/7/2018	X	X
Off-site	DW-72-84-S2	DW-72-84-S2	84.00	MP	X		3E	No	S2	N/A	3Q18	460164206-1-51	9/7/2018	X	X
Off-site	DW-72-63-S1	DW-72-63-S1	63.00	MP	X		2E	Yes	S1	N/A	3Q18	460164206-1-52	9/7/2018	X	X
Off-site	DW-69-224-D1	DW-69-224-D1	224.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-10	9/10/2018	X	X
Off-site	DW-69-213-D1	DW-69-213-D1	213.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-11	9/10/2018	X	X
Off-site	DW-69-195-D1	DW-69-195-D1	195.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-12	9/10/2018	X	X
Off-site	DW-69-186-D1	DW-69-186-D1	186.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-13	9/10/2018	X	X
Off-site	DW-69-171-D1	DW-69-171-D1	171.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-14	9/10/2018	X	X
Off-site	DW-69-160-D1	DW-69-160-D1	160.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-15	9/10/2018	X	X
Off-site	DW-69-150-D1	DW-69-150-D1	150.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-16	9/10/2018	X	X
Off-site	DW-69-142-S3	DW-69-142-S3	142.00	MP	X		2W	No	S3	N/A	3Q18	460164638-1-17	9/10/2018	X	X
Off-site	DW-69-134-S3	DW-69-134-S3	134.00	MP	X		1W	No	S3	N/A	3Q18	460164638-1-18	9/10/2018	X	X
Off-site	DW-69-114-S3	DW-69-114-S3	114.00	MP	X		1W	No	S3	N/A	3Q18	460164638-1-19	9/10/2018	X	X
Off-site	DW-69-375-D2	DW-69-375-D2	375.00	MP	X		4W	No	D2	N/A	3Q18	460164638-1-2	9/10/2018	X	X
Off-site	DW-69-104-S3	DW-69-104-S3	104.00	MP	X		1W	No	S3	N/A	3Q18	460164638-1-20	9/10/2018	X	X
Off-site	DW-69-86-S2	DW-69-86-S2	86.00	MP	X		1W	No	S2	N/A	3Q18	460164638-1-21	9/10/2018	X	X
Off-site	DW-69-70-S2	DW-69-70-S2	70.00	MP	X		1W	No	S2	N/A	3Q18	460164638-1-22	9/10/2018	X	X
Off-site	DW-69-303-D2	DW-69-303-D2	303.00	MP	X		4W	No	D2	N/A	3Q18	460164638-1-3	9/10/2018	X	X
Off-site	DW-69-283-D2	DW-69-283-D2	283.00	MP	X		3W	No	D2	N/A	3Q18	460164638-1-4	9/10/2018	X	X
Off-site	DW-69-270-D2	DW-69-270-D2	270.00	MP	X		3W	No	D2	N/A	3Q18	460164638-1-5	9/10/2018	X	X
Off-site	DW-69-260-D2	DW-69-260-D2	260.00	MP	X		3W	No	D2	N/A	3Q18	460164638-1-6	9/10/2018	X	X
Off-site	DW-69-246-D2(A)	DW-69-246-D2	246.00	MP	X		3W	No	D2	N/A	3Q18	460164638-1-7	9/10/2018	X	X
Off-site	DW-69-246-D2(B)	DW-69-246-D2	246.00	MP	X	X	3W	No	D2	N/A	3Q18	460164638-1-8	9/10/2018	X	X
Off-site	DW-69-234-D1	DW-69-234-D1	234.00	MP	X		3W	No	D1	N/A	3Q18	460164638-1-9	9/10/2018	X	X
Off-site	DW-70-350-D2	DW-70-350-D2	350.00	MP	X		5W	No	D2	N/A	3Q18	460164638-1-25	9/11/2018	X	X
Off-site	DW-70-285-D2	DW-70-285-D2	285.00	MP	X		4W	No	D2	N/A	3Q18	460164638-1-26	9/11/2018	X	X

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Off-site	DW-70-261-D2(A)	DW-70-261-D2	261.00	MP	X		4W	No	D2	N/A	3Q18	460164638-1-27	9/11/2018	X	X
Off-site	DW-70-261-D2(B)	DW-70-261-D2	261.00	MP		X	4W	No	D2	N/A	3Q18	460164638-1-28	9/11/2018	X	X
Off-site	DW-70-241-D2	DW-70-241-D2	241.00	MP	X		4W	No	D2	N/A	3Q18	460164638-1-29	9/11/2018	X	X
Off-site	DW-70-231-D2	DW-70-231-D2	231.00	MP	X		4W	No	D2	N/A	3Q18	460164638-1-30	9/11/2018	X	X
Off-site	DW-70-219-D1	DW-70-219-D1	219.00	MP	X		3W	No	D1	N/A	3Q18	460164638-1-31	9/11/2018	X	X
Off-site	DW-70-205-D1	DW-70-205-D1	205.00	MP	X		3W	No	D1	N/A	3Q18	460164638-1-32	9/11/2018	X	X
Off-site	DW-70-189-D1	DW-70-189-D1	189.00	MP	X		3W	No	D1	N/A	3Q18	460164638-1-33	9/11/2018	X	X
Off-site	DW-70-174-D1	DW-70-174-D1	174.00	MP	X		3W	No	D1	N/A	3Q18	460164638-1-34	9/11/2018	X	X
Off-site	DW-70-160-D1	DW-70-160-D1	160.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-35	9/11/2018	X	X
Off-site	DW-70-150-D1	DW-70-150-D1	150.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-36	9/11/2018	X	X
Off-site	DW-70-140-D1	DW-70-140-D1	140.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-37	9/11/2018	X	X
Off-site	DW-70-131-D1	DW-70-131-D1	131.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-38	9/11/2018	X	X
Off-site	DW-70-123-D1	DW-70-123-D1	123.00	MP	X		2W	No	D1	N/A	3Q18	460164638-1-39	9/11/2018	X	X
Off-site	DW-70-114-S3	DW-70-114-S3	114.00	MP	X		1W	No	S3	N/A	3Q18	460164638-1-40	9/11/2018	X	X
Off-site	DW-70-94-S3	DW-70-94-S3	94.00	MP	X		1W	No	S3	N/A	3Q18	460164638-1-41	9/11/2018	X	X
Off-site	DW-70-83-S3	DW-70-83-S3	83.00	MP	X		1W	No	S3	N/A	3Q18	460164638-1-42	9/11/2018	X	X
Off-site	DW-70-72-S3	DW-70-72-S3	72.00	MP	X		1W	No	S3	N/A	3Q18	460164638-1-43	9/11/2018	X	X
Off-site	DW-70-53-S2	DW-70-53-S2	53.00	MP	X		1W	No	S2	N/A	3Q18	460164638-1-44	9/11/2018	X	X
On-Site	MW-416A_PDB34.8	MW-416A	34.80	PDB	X		2W	Yes	S1	IA-01	3Q18	460165597-1-10	9/24/2018	X	
Off-site	MW-171B_PDB46.75	MW-171B	46.75	PDB	X		4E	No	S2	N/A	3Q18	460165597-1-100	9/24/2018	X	
Off-site	MW-171B_RPPS46.75	MW-171B	46.75	RPPS	X		4E	No	S2	N/A	3Q18	460165597-1-101	9/24/2018		X
Off-site	MW-171C_PDB66.75	MW-171C	66.75	PDB	X		5E	No	S3	N/A	3Q18	460165597-1-102	9/24/2018	X	
Off-site	MW-171C_RPPS66.75	MW-171C	66.75	RPPS	X		5E	No	S3	N/A	3Q18	460165597-1-103	9/24/2018		X
Off-site	MW-1G_PDB10.75	MW-1G	10.75	PDB	X		OVB	Yes	S1	N/A	3Q18	460165597-1-104	9/24/2018	X	
Off-site	MW-1G_RPPS10.75	MW-1G	10.75	RPPS	X		OVB	Yes	S1	N/A	3Q18	460165597-1-105	9/24/2018		X
Off-site	MW-209A_PDB14.75	MW-209A	14.75	PDB	X		OVB	Yes	S1	N/A	3Q18	460165597-1-107	9/24/2018	X	
Off-site	MW-209A_RPPS14.75	MW-209A	14.75	RPPS	X		OVB	Yes	S1	N/A	3Q18	460165597-1-108	9/24/2018		X
Off-site	MW-209B_PDB36.75	MW-209B	36.75	PDB	X		4W	No	S2	N/A	3Q18	460165597-1-109	9/24/2018	X	
On-Site	MW-416A_RPPS34.8	MW-416A	34.80	RPPS	X		2W	Yes	S1	IA-01	3Q18	460165597-1-11	9/24/2018		X
Off-site	MW-209B_RPPS36.75	MW-209B	36.75	RPPS	X		4W	No	S2	N/A	3Q18	460165597-1-110	9/24/2018		X
Off-site	MW-209C_PDB76.75	MW-209C	76.75	PDB	X		4W	No	S3	N/A	3Q18	460165597-1-111	9/24/2018	X	
Off-site	MW-209C_RPPS76.75	MW-209C	76.75	RPPS	X		4W	No	S3	N/A	3Q18	460165597-1-112	9/24/2018		X
Off-site	MW-257A_PDB22.0	MW-257A	22.00	PDB	X		4E	Yes	S1	N/A	3Q18	460165597-1-113	9/24/2018	X	
Off-site	MW-257A_PDB27.0	MW-257A	27.00	PDB	X		4E	Yes	S1	N/A	3Q18	460165597-1-114	9/24/2018	X	
Off-site	MW-257A_RPPS27.0	MW-257A	27.00	RPPS	X		4E	Yes	S1	N/A	3Q18	460165597-1-115	9/24/2018		X
Off-site	MW-257B_PDB46.75	MW-257B	46.75	PDB	X		4E	No	S2	N/A	3Q18	460165597-1-116	9/24/2018	X	

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Off-site	MW-257B_RPPS46.75	MW-257B	46.75	RPPS	X		4E	No	S2	N/A	3Q18	460165597-1-117	9/24/2018		X
Off-site	MW-304A_PDB17.5	MW-304A	17.50	PDB	X		4E	Yes	S1	N/A	3Q18	460165597-1-118	9/24/2018	X	
Off-site	MW-304A_RPPS17.5	MW-304A	17.50	RPPS	X		4E	Yes	S1	N/A	3Q18	460165597-1-119	9/24/2018		X
On-Site	MW-416B_PDB49.25	MW-416B	49.25	PDB	X		2W	No	S2	IA-01	3Q18	460165597-1-12	9/24/2018	X	
Off-site	MW-304B_PDB37.5	MW-304B	37.50	PDB	X		4E	No	S2	N/A	3Q18	460165597-1-120	9/24/2018	X	
Off-site	MW-304B_RPPS37.5	MW-304B	37.50	RPPS	X		4E	No	S2	N/A	3Q18	460165597-1-121	9/24/2018		X
Off-site	MW-304C_PDB72.5	MW-304C	72.50	PDB	X		5E	No	S3	N/A	3Q18	460165597-1-122	9/24/2018	X	
Off-site	MW-304C_RPPS72.5	MW-304C	72.50	RPPS	X		5E	No	S3	N/A	3Q18	460165597-1-123	9/24/2018		X
Off-site	DW-34B_PDB286.75	DW-34B	286.75	PDB	X		3W	No	D2	N/A	3Q18	460165597-1-124	9/24/2018	X	
Off-site	DW-34B_RPPS286.75	DW-34B	286.75	RPPS	X		3W	No	D2	N/A	3Q18	460165597-1-125	9/24/2018		X
On-Site	MW-416B_RPPS49.25	MW-416B	49.25	RPPS	X		2W	No	S2	IA-01	3Q18	460165597-1-13	9/24/2018		X
On-Site	MW-416C_PDB105.0	MW-416C	105.00	PDB	X		3W	No	S3	IA-01	3Q18	460165597-1-14	9/24/2018	X	
On-Site	MW-416C_RPPS105.0	MW-416C	105.00	RPPS	X		3W	No	S3	IA-01	3Q18	460165597-1-15	9/24/2018		X
On-Site	DW-41C_PDB426.8	DW-41C	426.80	PDB	X		5E	No	D3	IA-03	3Q18	460165597-1-16	9/24/2018	X	
On-Site	DW-41C_RPPS426.8	DW-41C	426.80	RPPS	X		5E	No	D3	IA-03	3Q18	460165597-1-17	9/24/2018		X
On-Site	DW-9A_PDB91.75	DW-9A	91.75	PDB	X		3E	No	S3	IA-03	3Q18	460165597-1-18	9/24/2018	X	
On-Site	DW-9A_RPPS91.75	DW-9A	91.75	RPPS	X		3E	No	S3	IA-03	3Q18	460165597-1-19	9/24/2018		X
On-Site	DW-67A_PDB215.5	DW-67A	215.50	PDB	X		5W	No	D1	IA-01	3Q18	460165597-1-2	9/24/2018	X	
On-Site	DW-9B_PDB133.75	DW-9B	133.75	PDB	X		5E	No	D1	IA-03	3Q18	460165597-1-20	9/24/2018	X	
On-Site	DW-9B_RPPS133.75	DW-9B	133.75	RPPS	X		5E	No	D1	IA-03	3Q18	460165597-1-21	9/24/2018		X
On-Site	MW-260C_PDB62.0	MW-260C	62.00	PDB	X		4E	No	S2	IA-03	3Q18	460165597-1-23	9/24/2018	X	
On-Site	MW-260C_RPPS62.0	MW-260C	62.00	RPPS	X		4E	No	S2	IA-03	3Q18	460165597-1-24	9/24/2018		X
On-Site	MW-260-S3_PDB121.8	MW-260-S3	121.80	PDB	X		5E	No	S3	IA-03	3Q18	460165597-1-25	9/24/2018	X	
On-Site	MW-260-S3_RPPS121.8	MW-260-S3	121.80	RPPS	X		5E	No	S3	IA-03	3Q18	460165597-1-26	9/24/2018		X
On-Site	DW-12A_PDB130.75	DW-12A	130.75	PDB	X		4W	No	D1	IA-04	3Q18	460165597-1-27	9/24/2018	X	
On-Site	DW-12A_RPPS130.75	DW-12A	130.75	RPPS	X		4W	No	D1	IA-04	3Q18	460165597-1-28	9/24/2018		X
On-Site	DW-12B_PDB182.75	DW-12B	182.75	PDB	X		5W	No	D1	IA-04	3Q18	460165597-1-29	9/24/2018	X	
On-Site	DW-67A_RPPS215.5	DW-67A	215.50	RPPS	X		5W	No	D1	IA-01	3Q18	460165597-1-3	9/24/2018		X
On-Site	DW-12B_RPPS182.75	DW-12B	182.75	RPPS	X		5W	No	D1	IA-04	3Q18	460165597-1-30	9/24/2018		X
On-Site	DW-12CR_PDB516.8(A)	DW-12CR	516.80	PDB	X		5W	No	D3	IA-04	3Q18	460165597-1-31	9/24/2018	X	
On-Site	DW-12CR_PDB516.8(B)	DW-12CR	516.80	PDB		X	5W	No	D3	IA-04	3Q18	460165597-1-32	9/24/2018	X	
On-Site	DW-12CR_RPPS516.8(A)	DW-12CR	516.80	RPPS	X		5W	No	D3	IA-04	3Q18	460165597-1-33	9/24/2018		X
On-Site	DW-12CR_RPPS516.8(B)	DW-12CR	516.80	RPPS		X	5W	No	D3	IA-04	3Q18	460165597-1-34	9/24/2018		X
On-Site	DW-37B_PDB296.8	DW-37B	296.80	PDB	X		5E	No	D2	IA-07	3Q18	460165597-1-35	9/24/2018	X	
On-Site	DW-37B_RPPS296.8	DW-37B	296.80	RPPS	X		5E	No	D2	IA-07	3Q18	460165597-1-36	9/24/2018		X
On-Site	DW-28A_PDB180.8	DW-28A	180.80	PDB	X		5E	No	D1	IA-12	3Q18	460165597-1-37	9/24/2018	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-28A_RPPS180.8	DW-28A	180.80	RPPS	X		5E	No	D1	IA-12	3Q18	460165597-1-38	9/24/2018		X
On-Site	DW-28B_PDB307.8	DW-28B	307.80	PDB	X		5E	No	D2	IA-12	3Q18	460165597-1-39	9/24/2018	X	
On-Site	DW-67B_PDB269.5	DW-67B	269.50	PDB	X		5W	No	D2	IA-01	3Q18	460165597-1-4	9/24/2018	X	
On-Site	DW-28B_RPPS307.8	DW-28B	307.80	RPPS	X		5E	No	D2	IA-12	3Q18	460165597-1-40	9/24/2018		X
On-Site	DW-2B_PDB132.75	DW-2B	132.75	PDB	X		5E	No	S3	IA-12	3Q18	460165597-1-41	9/24/2018	X	
On-Site	DW-2B_RPPS132.75	DW-2B	132.75	RPPS	X		5E	No	S3	IA-12	3Q18	460165597-1-42	9/24/2018		X
On-Site	DW-2-D2_PDB276.8	DW-2-D2	276.80	PDB	X		5E	No	D2	IA-12	3Q18	460165597-1-44	9/24/2018	X	
On-Site	DW-2-D2_RPPS276.8	DW-2-D2	276.80	RPPS	X		5E	No	D2	IA-12	3Q18	460165597-1-45	9/24/2018		X
On-Site	MW-114_PDB75.4	MW-114	75.40	PDB	X		4E	No	S2	IA-12	3Q18	460165597-1-46	9/24/2018	X	
On-Site	MW-114_RPPS75.4	MW-114	75.40	RPPS	X		4E	No	S2	IA-12	3Q18	460165597-1-47	9/24/2018		X
On-Site	MW-114A_PDB71.8	MW-114A	71.80	PDB	X		4E	Yes	S1	IA-12	3Q18	460165597-1-48	9/24/2018	X	
On-Site	MW-114A_RPPS71.8	MW-114A	71.80	RPPS	X		4E	Yes	S1	IA-12	3Q18	460165597-1-49	9/24/2018		X
On-Site	DW-67B_RPPS269.5	DW-67B	269.50	RPPS	X		5W	No	D2	IA-01	3Q18	460165597-1-5	9/24/2018		X
On-Site	MW-271A_PDB56.8	MW-271A	56.80	PDB	X		3E	Yes	S1	IA-12	3Q18	460165597-1-50	9/24/2018	X	
On-Site	MW-271A_RPPS56.8	MW-271A	56.80	RPPS	X		3E	Yes	S1	IA-12	3Q18	460165597-1-51	9/24/2018		X
On-Site	MW-271B_PDB91.8	MW-271B	91.80	PDB	X		4E	No	S2	IA-12	3Q18	460165597-1-52	9/24/2018	X	
On-Site	MW-271B_RPPS91.8	MW-271B	91.80	RPPS	X		4E	No	S2	IA-12	3Q18	460165597-1-53	9/24/2018		X
On-Site	MW-271C_PDB126.8	MW-271C	126.80	PDB	X		4E	No	S3	IA-12	3Q18	460165597-1-54	9/24/2018	X	
On-Site	MW-271C_RPPS126.8	MW-271C	126.80	RPPS	X		4E	No	S3	IA-12	3Q18	460165597-1-55	9/24/2018		X
On-Site	MW-376C_PDB119.8	MW-376C	119.80	PDB	X		4E	No	S3	IA-12	3Q18	460165597-1-56	9/24/2018	X	
On-Site	MW-376C_RPPS119.8	MW-376C	119.80	RPPS	X		4E	No	S3	IA-12	3Q18	460165597-1-57	9/24/2018		X
Off-site	DW-47A_PDB117.5(A)	DW-47A	117.50	PDB	X		5E	No	D1	N/A	3Q18	460165597-1-58	9/24/2018	X	
Off-site	DW-47A_PDB117.5(B)	DW-47A	117.50	PDB		X	5E	No	D1	N/A	3Q18	460165597-1-59	9/24/2018	X	
On-Site	DW-68A_PDB202.5	DW-68A	202.50	PDB	X		5W	No	D1	IA-01	3Q18	460165597-1-6	9/24/2018	X	
Off-site	DW-47A_RPPS117.5(A)	DW-47A	117.50	RPPS	X		5E	No	D1	N/A	3Q18	460165597-1-60	9/24/2018		X
Off-site	DW-47A_RPPS117.5(B)	DW-47A	117.50	RPPS		X	5E	No	D1	N/A	3Q18	460165597-1-61	9/24/2018		X
Off-site	DW-4C_PDB138.75	DW-4C	138.75	PDB	X		5E	No	D1	N/A	3Q18	460165597-1-62	9/24/2018	X	
Off-site	DW-4C_RPPS138.75	DW-4C	138.75	RPPS	X		5E	No	D1	N/A	3Q18	460165597-1-63	9/24/2018		X
Off-site	DW-4D_PDB446.75	DW-4D	446.75	PDB	X		5E	No	D3	N/A	3Q18	460165597-1-65	9/24/2018	X	
Off-site	DW-4D_RPPS446.75	DW-4D	446.75	RPPS	X		5E	No	D3	N/A	3Q18	460165597-1-66	9/24/2018		X
Off-site	MW-103A_PDB11.6	MW-103A	11.60	PDB	X		OVB	Yes	S1	N/A	3Q18	460165597-1-67	9/24/2018	X	
Off-site	MW-103A_RPPS11.6	MW-103A	11.60	RPPS	X		OVB	Yes	S1	N/A	3Q18	460165597-1-68	9/24/2018		X
Off-site	MW-104A_PDB7.9	MW-104A	7.90	PDB	X		OVB	Yes	S1	N/A	3Q18	460165597-1-69	9/24/2018	X	
On-Site	DW-68A_RPPS202.5	DW-68A	202.50	RPPS	X		5W	No	D1	IA-01	3Q18	460165597-1-7	9/24/2018		X
Off-site	MW-104A_RPPS7.9	MW-104A	7.90	RPPS	X		OVB	Yes	S1	N/A	3Q18	460165597-1-70	9/24/2018		X
Off-site	MW-104B_PDB30.1	MW-104B	30.10	PDB	X		3E	No	S2	N/A	3Q18	460165597-1-71	9/24/2018	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	MW-104B_RPPS30.1	MW-104B	30.10	RPPS	X		3E	No	S2	N/A	3Q18	460165597-1-72	9/24/2018		X
Off-site	MW-104C_PDB76.75	MW-104C	76.75	PDB	X		4E	No	S3	N/A	3Q18	460165597-1-73	9/24/2018	X	
Off-site	MW-104C_RPPS76.75	MW-104C	76.75	RPPS	X		4E	No	S3	N/A	3Q18	460165597-1-74	9/24/2018		X
Off-site	MW-105A_PDB7.9	MW-105A	7.90	PDB	X		OVb	Yes	S1	N/A	3Q18	460165597-1-75	9/24/2018	X	
Off-site	MW-105A_RPPS7.9	MW-105A	7.90	RPPS	X		OVb	Yes	S1	N/A	3Q18	460165597-1-76	9/24/2018		X
Off-site	MW-105B_PDB36.0	MW-105B	36.00	PDB	X		4W	No	S2	N/A	3Q18	460165597-1-77	9/24/2018	X	
Off-site	MW-105B_RPPS36.0	MW-105B	36.00	RPPS	X		4W	No	S2	N/A	3Q18	460165597-1-78	9/24/2018		X
Off-site	MW-106A_PDB9.4	MW-106A	9.40	PDB	X		3E	Yes	S1	N/A	3Q18	460165597-1-79	9/24/2018	X	
On-Site	DW-68B_PDB284.5	DW-68B	284.50	PDB	X		5W	No	D2	IA-01	3Q18	460165597-1-8	9/24/2018	X	
Off-site	MW-106A_RPPS9.4	MW-106A	9.40	RPPS	X		3E	Yes	S1	N/A	3Q18	460165597-1-80	9/24/2018		X
Off-site	MW-106B_PDB31.2	MW-106B	31.20	PDB	X		3E	No	S2	N/A	3Q18	460165597-1-81	9/24/2018	X	
Off-site	MW-106B_RPPS31.2	MW-106B	31.20	RPPS	X		3E	No	S2	N/A	3Q18	460165597-1-82	9/24/2018		X
Off-site	MW-108A_PDB7.9	MW-108A	7.90	PDB	X		OVb	Yes	S1	N/A	3Q18	460165597-1-83	9/24/2018	X	
Off-site	MW-108A_RPPS7.9	MW-108A	7.90	RPPS	X		OVb	Yes	S1	N/A	3Q18	460165597-1-84	9/24/2018		X
Off-site	MW-144A_PDB10.1	MW-144A	10.10	PDB	X		OVb	Yes	S1	N/A	3Q18	460165597-1-86	9/24/2018	X	
Off-site	MW-144A_PDB13.5	MW-144A	13.50	PDB	X		OVb	Yes	S1	N/A	3Q18	460165597-1-87	9/24/2018	X	
Off-site	MW-144A_PDB7.1	MW-144A	7.10	PDB	X		OVb	Yes	S1	N/A	3Q18	460165597-1-88	9/24/2018	X	
Off-site	MW-144A_RPPS13.5	MW-144A	13.50	RPPS	X		OVb	Yes	S1	N/A	3Q18	460165597-1-89	9/24/2018		X
On-Site	DW-68B_RPPS284.5	DW-68B	284.50	RPPS	X		5W	No	D2	IA-01	3Q18	460165597-1-9	9/24/2018		X
Off-site	MW-144B_PDB34.75	MW-144B	34.75	PDB	X		4E	No	S2	N/A	3Q18	460165597-1-90	9/24/2018	X	
Off-site	MW-144B_RPPS34.75	MW-144B	34.75	RPPS	X		4E	No	S2	N/A	3Q18	460165597-1-91	9/24/2018		X
Off-site	MW-146A_PDB23.3	MW-146A	23.30	PDB	X		5E	Yes	S1	N/A	3Q18	460165597-1-92	9/24/2018	X	
Off-site	MW-146A_RPPS23.3	MW-146A	23.30	RPPS	X		5E	Yes	S1	N/A	3Q18	460165597-1-93	9/24/2018		X
Off-site	MW-146B_PDB53.75	MW-146B	53.75	PDB	X		5E	No	S2	N/A	3Q18	460165597-1-94	9/24/2018	X	
Off-site	MW-146B_RPPS53.75	MW-146B	53.75	RPPS	X		5E	No	S2	N/A	3Q18	460165597-1-95	9/24/2018		X
Off-site	MW-146C_PDB66.75	MW-146C	66.75	PDB	X		5E	No	S3	N/A	3Q18	460165597-1-96	9/24/2018	X	
Off-site	MW-146C_RPPS66.75	MW-146C	66.75	RPPS	X		5E	No	S3	N/A	3Q18	460165597-1-97	9/24/2018		X
Off-site	MW-171A_PDB26.75	MW-171A	26.75	PDB	X		4E	Yes	S1	N/A	3Q18	460165597-1-98	9/24/2018	X	
Off-site	MW-171A_RPPS26.75	MW-171A	26.75	RPPS	X		4E	Yes	S1	N/A	3Q18	460165597-1-99	9/24/2018		X
On-Site	DW-45A_PDB121.8	DW-45A	121.80	PDB	X		5E	No	D1	IA-07	3Q18	460165622-1-10	9/25/2018	X	
Off-site	MW-201_PDB28.75	MW-201	28.75	PDB	X		2E	Yes	S1	N/A	3Q18	460165622-1-100	9/25/2018	X	
Off-site	MW-201_RPPS28.75	MW-201	28.75	RPPS	X		2E	Yes	S1	N/A	3Q18	460165622-1-101	9/25/2018		X
Off-site	MW-201A_PDB21.75	MW-201A	21.75	PDB	X		2E	Yes	S1	N/A	3Q18	460165622-1-102	9/25/2018	X	
Off-site	MW-201A_RPPS21.75	MW-201A	21.75	RPPS	X		2E	Yes	S1	N/A	3Q18	460165622-1-103	9/25/2018		X
Off-site	MW-201B_PDB41.8	MW-201B	41.80	PDB	X		2E	No	S2	N/A	3Q18	460165622-1-105	9/25/2018	X	
Off-site	MW-201B_RPPS41.8	MW-201B	41.80	RPPS	X		2E	No	S2	N/A	3Q18	460165622-1-106	9/25/2018		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	MW-201C_PDB92.8	MW-201C	92.80	PDB	X		3E	No	S3	N/A	3Q18	460165622-1-107	9/25/2018	X	
Off-site	MW-201C_RPPS92.8	MW-201C	92.80	RPPS	X		3E	No	S3	N/A	3Q18	460165622-1-108	9/25/2018		X
Off-site	MW-213B_PDB46.75	MW-213B	46.75	PDB	X		1W	Yes	S1	N/A	3Q18	460165622-1-109	9/25/2018	X	
On-Site	DW-45A_RPPS121.8	DW-45A	121.80	RPPS	X		5E	No	D1	IA-07	3Q18	460165622-1-11	9/25/2018		X
Off-site	MW-213B_RPPS46.75	MW-213B	46.75	RPPS	X		1W	Yes	S1	N/A	3Q18	460165622-1-110	9/25/2018		X
Off-site	MW-213C_PDB76.75	MW-213C	76.75	PDB	X		1W	No	S2	N/A	3Q18	460165622-1-111	9/25/2018	X	
Off-site	MW-213C_RPPS76.75	MW-213C	76.75	RPPS	X		1W	No	S2	N/A	3Q18	460165622-1-112	9/25/2018		X
Off-site	MW-215C_PDB76.75	MW-215C	76.75	PDB	X		4E	No	S3	N/A	3Q18	460165622-1-113	9/25/2018	X	
Off-site	MW-215C_RPPS76.75	MW-215C	76.75	RPPS	X		4E	No	S3	N/A	3Q18	460165622-1-114	9/25/2018		X
Off-site	MW-216C_PDB71.75	MW-216C	71.75	PDB	X		5E	No	S3	N/A	3Q18	460165622-1-115	9/25/2018	X	
Off-site	MW-216C_RPPS71.75	MW-216C	71.75	RPPS	X		5E	No	S3	N/A	3Q18	460165622-1-116	9/25/2018		X
Off-site	MW-236B_PDB34.75	MW-236B	34.75	PDB	X		4W	No	S2	N/A	3Q18	460165622-1-117	9/25/2018	X	
Off-site	MW-236B_RPPS34.75	MW-236B	34.75	RPPS	X		4W	No	S2	N/A	3Q18	460165622-1-118	9/25/2018		X
Off-site	MW-236C_PDB54.75	MW-236C	54.75	PDB	X		4W	No	S3	N/A	3Q18	460165622-1-119	9/25/2018	X	
On-Site	DW-50B_PDB186.8	DW-50B	186.80	PDB	X		5E	No	D1	IA-07	3Q18	460165622-1-12	9/25/2018	X	
Off-site	MW-236C_RPPS54.75	MW-236C	54.75	RPPS	X		4W	No	S3	N/A	3Q18	460165622-1-120	9/25/2018		X
Off-site	MW-353A_PDB49.25	MW-353A	49.25	PDB	X		3E	Yes	S1	N/A	3Q18	460165622-1-121	9/25/2018	X	
Off-site	MW-353A_RPPS49.25	MW-353A	49.25	RPPS	X		3E	Yes	S1	N/A	3Q18	460165622-1-122	9/25/2018		X
Off-site	MW-353B_PDB76.3	MW-353B	76.30	PDB	X		3E	No	S2	N/A	3Q18	460165622-1-123	9/25/2018	X	
Off-site	MW-353B_RPPS76.3	MW-353B	76.30	RPPS	X		3E	No	S2	N/A	3Q18	460165622-1-124	9/25/2018		X
Off-site	MW-353C_PDB124.25	MW-353C	124.25	PDB	X		4E	No	S3	N/A	3Q18	460165622-1-126	9/25/2018	X	
Off-site	MW-353C_RPPS124.25	MW-353C	124.25	RPPS	X		4E	No	S3	N/A	3Q18	460165622-1-127	9/25/2018		X
On-Site	DW-50B_RPPS186.8	DW-50B	186.80	RPPS	X		5E	No	D1	IA-07	3Q18	460165622-1-13	9/25/2018		X
On-Site	DW-50C_PDB291.8	DW-50C	291.80	PDB	X		5E	No	D2	IA-07	3Q18	460165622-1-14	9/25/2018	X	
On-Site	DW-50C_RPPS291.8	DW-50C	291.80	RPPS	X		5E	No	D2	IA-07	3Q18	460165622-1-15	9/25/2018		X
On-Site	MW-122_PDB76.25	MW-122	76.25	PDB	X		4E	No	S2	IA-07	3Q18	460165622-1-16	9/25/2018	X	
On-Site	MW-122_RPPS76.25	MW-122	76.25	RPPS	X		4E	No	S2	IA-07	3Q18	460165622-1-17	9/25/2018		X
On-Site	MW-15A_PDB13.25	MW-15A	13.25	PDB	X		OVb	Yes	S1	IA-07	3Q18	460165622-1-18	9/25/2018	X	
On-Site	MW-15A_RPPS13.25	MW-15A	13.25	RPPS	X		OVb	Yes	S1	IA-07	3Q18	460165622-1-19	9/25/2018		X
On-Site	DW-38B_PDB248.8	DW-38B	248.80	PDB	X		5E	No	D2	IA-07	3Q18	460165622-1-2	9/25/2018	X	
On-Site	MW-15B_PDB23.5	MW-15B	23.50	PDB	X		2W	No	S2	IA-07	3Q18	460165622-1-21	9/25/2018	X	
On-Site	MW-15B_RPPS23.5	MW-15B	23.50	RPPS	X		2W	No	S2	IA-07	3Q18	460165622-1-22	9/25/2018		X
On-Site	MW-238C_PDB76.75	MW-238C	76.75	PDB	X		5W	No	S3	IA-07	3Q18	460165622-1-23	9/25/2018	X	
On-Site	MW-238C_RPPS76.75	MW-238C	76.75	RPPS	X		5W	No	S3	IA-07	3Q18	460165622-1-24	9/25/2018		X
On-Site	MW-249A_PDB16.8	MW-249A	16.80	PDB	X		2E	Yes	S1	IA-07	3Q18	460165622-1-25	9/25/2018	X	
On-Site	MW-249A_RPPS16.8	MW-249A	16.80	RPPS	X		2E	Yes	S1	IA-07	3Q18	460165622-1-26	9/25/2018		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-269A_PDB55.0	MW-269A	55.00	PDB	X		4E	Yes	S1	IA-07	3Q18	460165622-1-27	9/25/2018	X	
On-Site	MW-269A_RPPS55.0	MW-269A	55.00	RPPS	X		4E	Yes	S1	IA-07	3Q18	460165622-1-28	9/25/2018		X
On-Site	MW-269C_PDB121.8	MW-269C	121.80	PDB	X		5E	No	S3	IA-07	3Q18	460165622-1-29	9/25/2018	X	
On-Site	DW-38B_RPPS248.8	DW-38B	248.80	RPPS	X		5E	No	D2	IA-07	3Q18	460165622-1-3	9/25/2018		X
On-Site	MW-269C_RPPS121.8	MW-269C	121.80	RPPS	X		5E	No	S3	IA-07	3Q18	460165622-1-30	9/25/2018		X
On-Site	MW-270A_PDB59.5	MW-270A	59.50	PDB	X		4E	Yes	S1	IA-07	3Q18	460165622-1-31	9/25/2018	X	
On-Site	MW-270A_RPPS59.5	MW-270A	59.50	RPPS	X		4E	Yes	S1	IA-07	3Q18	460165622-1-32	9/25/2018		X
On-Site	MW-288B_PDB41.8	MW-288B	41.80	PDB	X		2E	No	S2	IA-07	3Q18	460165622-1-33	9/25/2018	X	
On-Site	MW-288B_RPPS41.8	MW-288B	41.80	RPPS	X		2E	No	S2	IA-07	3Q18	460165622-1-34	9/25/2018		X
On-Site	MW-27_PDB5.65	MW-27	5.65	PDB	X		1W	Yes	S1	IA-10	3Q18	460165622-1-35	9/25/2018	X	
On-Site	MW-27_RPPS5.65	MW-27	5.65	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165622-1-36	9/25/2018		X
On-Site	MW-27B_PDB41.8	MW-27B	41.80	PDB	X		2W	No	S2	IA-10	3Q18	460165622-1-37	9/25/2018	X	
On-Site	MW-27B_RPPS41.8	MW-27B	41.80	RPPS	X		2W	No	S2	IA-10	3Q18	460165622-1-38	9/25/2018		X
On-Site	MW-446A_PDB17.5	MW-446A	17.50	PDB	X		1W	Yes	S1	IA-10	3Q18	460165622-1-39	9/25/2018	X	
On-Site	DW-38C_PDB531.8(A)	DW-38C	531.80	PDB	X		5E	No	D3	IA-07	3Q18	460165622-1-4	9/25/2018	X	
On-Site	MW-446A_RPPS17.5	MW-446A	17.50	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165622-1-40	9/25/2018		X
On-Site	MW-476A_PDB17.5	MW-476A	17.50	PDB	X		1W	Yes	S1	IA-10	3Q18	460165622-1-42	9/25/2018	X	
On-Site	MW-476A_RPPS17.5	MW-476A	17.50	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165622-1-43	9/25/2018		X
On-Site	MW-477A_PDB12.5	MW-477A	12.50	PDB	X		2W	Yes	S1	IA-10	3Q18	460165622-1-44	9/25/2018	X	
On-Site	MW-477A_RPPS12.5	MW-477A	12.50	RPPS	X		2W	Yes	S1	IA-10	3Q18	460165622-1-45	9/25/2018		X
On-Site	DW-29B_PDB286.75	DW-29B	286.75	PDB	X		5E	No	D2	IA-12	3Q18	460165622-1-46	9/25/2018	X	
On-Site	DW-29B_RPPS286.75	DW-29B	286.75	RPPS	X		5E	No	D2	IA-12	3Q18	460165622-1-47	9/25/2018		X
On-Site	DW-29C_PDB438.8	DW-29C	438.80	PDB	X		5E	No	D3	IA-12	3Q18	460165622-1-48	9/25/2018	X	
On-Site	DW-29C_RPPS438.8	DW-29C	438.80	RPPS	X		5E	No	D3	IA-12	3Q18	460165622-1-49	9/25/2018		X
On-Site	DW-38C_PDB531.8(B)	DW-38C	531.80	PDB		X	5E	No	D3	IA-07	3Q18	460165622-1-5	9/25/2018	X	
On-Site	DW-30B_PDB256.75	DW-30B	256.75	PDB	X		5W	No	D2	IA-12	3Q18	460165622-1-50	9/25/2018	X	
On-Site	DW-30B_RPPS256.75	DW-30B	256.75	RPPS	X		5W	No	D2	IA-12	3Q18	460165622-1-51	9/25/2018		X
On-Site	DW-31A_PDB176.8	DW-31A	176.80	PDB	X		4W	No	D1	IA-12	3Q18	460165622-1-52	9/25/2018	X	
On-Site	DW-31A_RPPS176.8	DW-31A	176.80	RPPS	X		4W	No	D1	IA-12	3Q18	460165622-1-53	9/25/2018		X
On-Site	DW-31B_PDB316.8(A)	DW-31B	316.80	PDB	X		5W	No	D2	IA-12	3Q18	460165622-1-54	9/25/2018	X	
On-Site	DW-31B_PDB316.8(B)	DW-31B	316.80	PDB		X	5W	No	D2	IA-12	3Q18	460165622-1-55	9/25/2018	X	
On-Site	DW-31B_RPPS316.8(A)	DW-31B	316.80	RPPS	X		5W	No	D2	IA-12	3Q18	460165622-1-56	9/25/2018		X
On-Site	DW-31B_RPPS316.8(B)	DW-31B	316.80	RPPS		X	5W	No	D2	IA-12	3Q18	460165622-1-57	9/25/2018		X
On-Site	DW-31C_PDB436.8(A)	DW-31C	436.80	PDB	X		5W	No	D3	IA-12	3Q18	460165622-1-58	9/25/2018	X	
On-Site	DW-31C_PDB436.8(B)	DW-31C	436.80	PDB		X	5W	No	D3	IA-12	3Q18	460165622-1-59	9/25/2018	X	
On-Site	DW-38C_RPPS531.8(A)	DW-38C	531.80	RPPS	X		5E	No	D3	IA-07	3Q18	460165622-1-6	9/25/2018		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-31C_RPPS436.8(A)	DW-31C	436.80	RPPS	X		5W	No	D3	IA-12	3Q18	460165622-1-60	9/25/2018		X
On-Site	DW-31C_RPPS436.8(B)	DW-31C	436.80	RPPS		X	5W	No	D3	IA-12	3Q18	460165622-1-61	9/25/2018		X
On-Site	DW-32B_PDB297.75	DW-32B	297.75	PDB	X		5W	No	D2	IA-12	3Q18	460165622-1-63	9/25/2018	X	
On-Site	DW-32B_RPPS297.75	DW-32B	297.75	RPPS	X		5W	No	D2	IA-12	3Q18	460165622-1-64	9/25/2018		X
On-Site	DW-8A_PDB117.75	DW-8A	117.75	PDB	X		4E	No	D1	IA-12	3Q18	460165622-1-65	9/25/2018	X	
On-Site	DW-8A_RPPS117.75	DW-8A	117.75	RPPS	X		4E	No	D1	IA-12	3Q18	460165622-1-66	9/25/2018		X
On-Site	DW-8B_PDB188.75	DW-8B	188.75	PDB	X		5E	No	D1	IA-12	3Q18	460165622-1-67	9/25/2018	X	
On-Site	DW-8B_RPPS188.75	DW-8B	188.75	RPPS	X		5E	No	D1	IA-12	3Q18	460165622-1-68	9/25/2018		X
On-Site	MW-237A_PDB27.5	MW-237A	27.50	PDB	X		2W	Yes	S1	IA-12	3Q18	460165622-1-69	9/25/2018	X	
On-Site	DW-38C_RPPS531.8(B)	DW-38C	531.80	RPPS		X	5E	No	D3	IA-07	3Q18	460165622-1-7	9/25/2018		X
On-Site	MW-237A_RPPS27.5	MW-237A	27.50	RPPS	X		2W	Yes	S1	IA-12	3Q18	460165622-1-70	9/25/2018		X
On-Site	MW-237B_PDB73.8	MW-237B	73.80	PDB	X		3W	No	S2	IA-12	3Q18	460165622-1-71	9/25/2018	X	
On-Site	MW-237B_RPPS73.8	MW-237B	73.80	RPPS	X		3W	No	S2	IA-12	3Q18	460165622-1-72	9/25/2018		X
On-Site	MW-237C_PDB111.75	MW-237C	111.75	PDB	X		3W	No	S3	IA-12	3Q18	460165622-1-73	9/25/2018	X	
On-Site	MW-237C_RPPS111.75	MW-237C	111.75	RPPS	X		3W	No	S3	IA-12	3Q18	460165622-1-74	9/25/2018		X
On-Site	MW-266B_PDB61.95	MW-266B	61.95	PDB	X		2W	No	S2	IA-12	3Q18	460165622-1-75	9/25/2018	X	
On-Site	MW-266B_RPPS61.95	MW-266B	61.95	RPPS	X		2W	No	S2	IA-12	3Q18	460165622-1-76	9/25/2018		X
On-Site	MW-266C_PDB86.85	MW-266C	86.85	PDB	X		2W	No	S3	IA-12	3Q18	460165622-1-77	9/25/2018	X	
On-Site	MW-266C_RPPS86.85	MW-266C	86.85	RPPS	X		2W	No	S3	IA-12	3Q18	460165622-1-78	9/25/2018		X
On-Site	MW-375A_PDB50.75	MW-375A	50.75	PDB	X		2E	Yes	S1	IA-12	3Q18	460165622-1-79	9/25/2018	X	
On-Site	DW-43A_PDB121.8	DW-43A	121.80	PDB	X		5E	No	D1	IA-07	3Q18	460165622-1-8	9/25/2018	X	
On-Site	MW-375A_RPPS50.75	MW-375A	50.75	RPPS	X		2E	Yes	S1	IA-12	3Q18	460165622-1-80	9/25/2018		X
On-Site	MW-375B_PDB69.8	MW-375B	69.80	PDB	X		3E	No	S2	IA-12	3Q18	460165622-1-81	9/25/2018	X	
On-Site	MW-375B_RPPS69.8	MW-375B	69.80	RPPS	X		3E	No	S2	IA-12	3Q18	460165622-1-82	9/25/2018		X
On-Site	MW-375C_PDB126.8	MW-375C	126.80	PDB	X		4E	No	S3	IA-12	3Q18	460165622-1-84	9/25/2018	X	
On-Site	MW-375C_RPPS126.8	MW-375C	126.80	RPPS	X		4E	No	S3	IA-12	3Q18	460165622-1-85	9/25/2018		X
Off-site	DW-11B_PDB96.75	DW-11B	96.75	PDB	X		5E	No	D1	N/A	3Q18	460165622-1-86	9/25/2018	X	
Off-site	DW-11B_RPPS96.75	DW-11B	96.75	RPPS	X		5E	No	D1	N/A	3Q18	460165622-1-87	9/25/2018		X
Off-site	DW-11D_PDB446.75	DW-11D	446.75	PDB	X		5E	No	D3	N/A	3Q18	460165622-1-88	9/25/2018	X	
Off-site	DW-11D_RPPS446.75	DW-11D	446.75	RPPS	X		5E	No	D3	N/A	3Q18	460165622-1-89	9/25/2018		X
On-Site	DW-43A_RPPS121.8	DW-43A	121.80	RPPS	X		5E	No	D1	IA-07	3Q18	460165622-1-9	9/25/2018		X
Off-site	DW-64A_PDB236.8	DW-64A	236.80	PDB	X		5E	No	D1	N/A	3Q18	460165622-1-90	9/25/2018	X	
Off-site	DW-64A_RPPS236.8	DW-64A	236.80	RPPS	X		5E	No	D1	N/A	3Q18	460165622-1-91	9/25/2018		X
Off-site	DW-7A_PDB123.8	DW-7A	123.80	PDB	X		3E	No	D1	N/A	3Q18	460165622-1-92	9/25/2018	X	
Off-site	DW-7A_RPPS123.8	DW-7A	123.80	RPPS	X		3E	No	D1	N/A	3Q18	460165622-1-93	9/25/2018		X
Off-site	DW-7B_PDB171.75	DW-7B	171.75	PDB	X		4E	No	D1	N/A	3Q18	460165622-1-94	9/25/2018	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	DW-7B_RPPS171.75	DW-7B	171.75	RPPS	X		4E	No	D1	N/A	3Q18	460165622-1-95	9/25/2018		X
Off-site	DW-7C_PDB341.75	DW-7C	341.75	PDB	X		5E	No	D2	N/A	3Q18	460165622-1-96	9/25/2018	X	
Off-site	DW-7C_RPPS341.75	DW-7C	341.75	RPPS	X		5E	No	D2	N/A	3Q18	460165622-1-97	9/25/2018		X
Off-site	DW-7D_PDB426.75	DW-7D	426.75	PDB	X		5E	No	D3	N/A	3Q18	460165622-1-98	9/25/2018	X	
Off-site	DW-7D_RPPS426.75	DW-7D	426.75	RPPS	X		5E	No	D3	N/A	3Q18	460165622-1-99	9/25/2018		X
On-Site	DW-58A_PDB216.8	DW-58A	216.80	PDB	X		5E	No	D1	IA-07	3Q18	460165764-1-10	9/26/2018	X	
Off-site	MW-474A_PDB12.5	MW-474A	12.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-100	9/26/2018	X	
Off-site	MW-474A_RPPS12.5	MW-474A	12.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-101	9/26/2018		X
Off-site	MW-474B_PDB37.5	MW-474B	37.50	PDB	X		2W	No	S2	N/A	3Q18	460165764-1-102	9/26/2018	X	
Off-site	MW-474B_RPPS37.5	MW-474B	37.50	RPPS	X		2W	No	S2	N/A	3Q18	460165764-1-103	9/26/2018		X
Off-site	MW-475A_PDB12.5	MW-475A	12.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-104	9/26/2018	X	
Off-site	MW-475A_RPPS12.5	MW-475A	12.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-105	9/26/2018		X
Off-site	MW-485A_PDB12.5	MW-485A	12.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-107	9/26/2018	X	
Off-site	MW-485A_RPPS12.5	MW-485A	12.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-108	9/26/2018		X
Off-site	MW-486A_PDB12.5	MW-486A	12.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-109	9/26/2018	X	
On-Site	DW-58A_RPPS216.8	DW-58A	216.80	RPPS	X		5E	No	D1	IA-07	3Q18	460165764-1-11	9/26/2018		X
Off-site	MW-486A_RPPS12.5	MW-486A	12.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-110	9/26/2018		X
Off-site	MW-487A_PDB17.5	MW-487A	17.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-111	9/26/2018	X	
Off-site	MW-487A_RPPS17.5	MW-487A	17.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-112	9/26/2018		X
Off-site	MW-487B_PDB32.5	MW-487B	32.50	PDB	X		2W	No	S2	N/A	3Q18	460165764-1-113	9/26/2018	X	
Off-site	MW-487B_RPPS32.5	MW-487B	32.50	RPPS	X		2W	No	S2	N/A	3Q18	460165764-1-114	9/26/2018		X
Off-site	MW-487S_PDB9.75	MW-487S	9.75	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-115	9/26/2018	X	
Off-site	MW-487S_RPPS9.75	MW-487S	9.75	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-116	9/26/2018		X
Off-site	MW-488A_PDB17.5	MW-488A	17.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-117	9/26/2018	X	
Off-site	MW-488A_RPPS17.5	MW-488A	17.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-118	9/26/2018		X
Off-site	MW-488B_PDB32.5	MW-488B	32.50	PDB	X		2W	No	S2	N/A	3Q18	460165764-1-119	9/26/2018	X	
On-Site	DW-6B_PDB111.75	DW-6B	111.75	PDB	X		5E	No	D1	IA-07	3Q18	460165764-1-12	9/26/2018	X	
Off-site	MW-488B_RPPS32.5	MW-488B	32.50	RPPS	X		2W	No	S2	N/A	3Q18	460165764-1-120	9/26/2018		X
Off-site	MW-489A_PDB12.5	MW-489A	12.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-121	9/26/2018	X	
Off-site	MW-489A_RPPS12.5	MW-489A	12.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-122	9/26/2018		X
Off-site	MW-496A_PDB17.5	MW-496A	17.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-123	9/26/2018	X	
Off-site	MW-496A_RPPS17.5	MW-496A	17.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-124	9/26/2018		X
Off-site	MW-496S_PDB7.5	MW-496S	7.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-125	9/26/2018	X	
Off-site	MW-496S_RPPS7.5	MW-496S	7.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-126	9/26/2018		X
On-Site	DW-6B_RPPS111.75	DW-6B	111.75	RPPS	X		5E	No	D1	IA-07	3Q18	460165764-1-13	9/26/2018		X
On-Site	MW-120_PDB76.75(A)	MW-120	76.75	PDB	X		4E	No	S2	IA-07	3Q18	460165764-1-14	9/26/2018	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-120_PDB76.75(B)	MW-120	76.75	PDB		X	4E	No	S2	IA-07	3Q18	460165764-1-15	9/26/2018	X	
On-Site	MW-120_RPPS76.75(A)	MW-120	76.75	RPPS	X		4E	No	S2	IA-07	3Q18	460165764-1-16	9/26/2018		X
On-Site	MW-120_RPPS76.75(B)	MW-120	76.75	RPPS		X	4E	No	S2	IA-07	3Q18	460165764-1-17	9/26/2018		X
On-Site	MW-373C_PDB114.75	MW-373C	114.75	PDB	X		5E	No	S3	IA-07	3Q18	460165764-1-18	9/26/2018	X	
On-Site	MW-373C_RPPS114.75	MW-373C	114.75	RPPS	X		5E	No	S3	IA-07	3Q18	460165764-1-19	9/26/2018		X
On-Site	MW-22A_PDB40.75	MW-22A	40.75	PDB	X		3W	No	S2	IA-06	3Q18	460165764-1-2	9/26/2018	X	
On-Site	MW-374C_PDB98.8	MW-374C	98.80	PDB	X		5E	No	S3	IA-07	3Q18	460165764-1-20	9/26/2018	X	
On-Site	MW-374C_RPPS98.8	MW-374C	98.80	RPPS	X		5E	No	S3	IA-07	3Q18	460165764-1-21	9/26/2018		X
On-Site	MW-377B_PDB86.8	MW-377B	86.80	PDB	X		4E	No	S2	IA-07	3Q18	460165764-1-23	9/26/2018	X	
On-Site	MW-377B_RPPS86.8	MW-377B	86.80	RPPS	X		4E	No	S2	IA-07	3Q18	460165764-1-24	9/26/2018		X
On-Site	MW-377C_PDB109.8	MW-377C	109.80	PDB	X		4E	No	S3	IA-07	3Q18	460165764-1-25	9/26/2018	X	
On-Site	MW-377C_RPPS109.8	MW-377C	109.80	RPPS	X		4E	No	S3	IA-07	3Q18	460165764-1-26	9/26/2018		X
On-Site	MW-378C_PDB98.8	MW-378C	98.80	PDB	X		4E	No	S3	IA-07	3Q18	460165764-1-27	9/26/2018	X	
On-Site	MW-378C_RPPS98.8	MW-378C	98.80	RPPS	X		4E	No	S3	IA-07	3Q18	460165764-1-28	9/26/2018		X
On-Site	MW-417C_PDB119.25	MW-417C	119.25	PDB	X		5E	No	S3	IA-07	3Q18	460165764-1-29	9/26/2018	X	
On-Site	MW-22A_RPPS40.75	MW-22A	40.75	RPPS	X		3W	No	S2	IA-06	3Q18	460165764-1-3	9/26/2018		X
On-Site	MW-417C_RPPS119.25	MW-417C	119.25	RPPS	X		5E	No	S3	IA-07	3Q18	460165764-1-30	9/26/2018		X
On-Site	MW-46_PDB58.75	MW-46	58.75	PDB	X		4E	Yes	S1	IA-07	3Q18	460165764-1-31	9/26/2018	X	
On-Site	MW-46_RPPS58.75	MW-46	58.75	RPPS	X		4E	Yes	S1	IA-07	3Q18	460165764-1-32	9/26/2018		X
On-Site	MW-117_PDB71.25(A)	MW-117	71.25	PDB	X		5W	No	S3	IA-09	3Q18	460165764-1-33	9/26/2018	X	
On-Site	MW-117_PDB71.25(B)	MW-117	71.25	PDB		X	5W	No	S3	IA-09	3Q18	460165764-1-34	9/26/2018	X	
On-Site	MW-117_RPPS71.25(A)	MW-117	71.25	RPPS	X		5W	No	S3	IA-09	3Q18	460165764-1-35	9/26/2018		X
On-Site	MW-117_RPPS71.25(B)	MW-117	71.25	RPPS		X	5W	No	S3	IA-09	3Q18	460165764-1-36	9/26/2018		X
On-Site	MW-170AR_PDB15.25	MW-170AR	15.25	PDB	X		OVB	Yes	S1	IA-09	3Q18	460165764-1-37	9/26/2018	X	
On-Site	MW-170AR_RPPS15.25	MW-170AR	15.25	RPPS	X		OVB	Yes	S1	IA-09	3Q18	460165764-1-38	9/26/2018		X
On-Site	DW-27B_PDB291.75	DW-27B	291.75	PDB	X		5W	No	D2	IA-10	3Q18	460165764-1-39	9/26/2018	X	
On-Site	DW-3B_PDB113.75	DW-3B	113.75	PDB	X		5E	No	S3	IA-07	3Q18	460165764-1-4	9/26/2018	X	
On-Site	DW-27B_RPPS291.75	DW-27B	291.75	RPPS	X		5W	No	D2	IA-10	3Q18	460165764-1-40	9/26/2018		X
On-Site	DW-27C_PDB421.8	DW-27C	421.80	PDB	X		5W	No	D3	IA-10	3Q18	460165764-1-41	9/26/2018	X	
On-Site	DW-27C_RPPS421.8	DW-27C	421.80	RPPS	X		5W	No	D3	IA-10	3Q18	460165764-1-42	9/26/2018		X
On-Site	MW-43_PDB21.85	MW-43	21.85	PDB	X		1W	Yes	S1	IA-10	3Q18	460165764-1-44	9/26/2018	X	
On-Site	MW-43_RPPS21.85	MW-43	21.85	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165764-1-45	9/26/2018		X
On-Site	MW-44_PDB16.0	MW-44	16.00	PDB	X		1W	Yes	S1	IA-10	3Q18	460165764-1-46	9/26/2018	X	
On-Site	MW-44_RPPS16.0	MW-44	16.00	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165764-1-47	9/26/2018		X
On-Site	MW-44B_PDB41.75	MW-44B	41.75	PDB	X		1W	No	S2	IA-10	3Q18	460165764-1-48	9/26/2018	X	
On-Site	MW-44B_RPPS41.75	MW-44B	41.75	RPPS	X		1W	No	S2	IA-10	3Q18	460165764-1-49	9/26/2018		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-3B_RPPS113.75	DW-3B	113.75	RPPS	X		5E	No	S3	IA-07	3Q18	460165764-1-5	9/26/2018		X
On-Site	MW-44C_PDB76.75	MW-44C	76.75	PDB	X		2W	No	S3	IA-10	3Q18	460165764-1-50	9/26/2018	X	
On-Site	MW-44C_RPPS76.75	MW-44C	76.75	RPPS	X		2W	No	S3	IA-10	3Q18	460165764-1-51	9/26/2018		X
On-Site	MW-472A_PDB17.5	MW-472A	17.50	PDB	X		1W	Yes	S1	IA-10	3Q18	460165764-1-52	9/26/2018	X	
On-Site	MW-472A_RPPS17.5	MW-472A	17.50	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165764-1-53	9/26/2018		X
On-Site	MW-472S_PDB7.5	MW-472S	7.50	PDB	X		OVB	Yes	S1	IA-10	3Q18	460165764-1-54	9/26/2018	X	
On-Site	MW-472S_RPPS7.5	MW-472S	7.50	RPPS	X		OVB	Yes	S1	IA-10	3Q18	460165764-1-55	9/26/2018		X
On-Site	MW-479A_PDB12.5	MW-479A	12.50	PDB	X		1W	Yes	S1	IA-10	3Q18	460165764-1-56	9/26/2018	X	
On-Site	MW-479A_RPPS12.5	MW-479A	12.50	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165764-1-57	9/26/2018		X
On-Site	MW-479B_PDB31.8	MW-479B	31.80	PDB	X		2W	No	S2	IA-10	3Q18	460165764-1-58	9/26/2018	X	
On-Site	MW-479B_RPPS31.8	MW-479B	31.80	RPPS	X		2W	No	S2	IA-10	3Q18	460165764-1-59	9/26/2018		X
On-Site	DW-3-D2_PDB286.8	DW-3-D2	286.80	PDB	X		5E	No	D2	IA-07	3Q18	460165764-1-6	9/26/2018	X	
On-Site	MW-479C_PDB101.8	MW-479C	101.80	PDB	X		3W	No	S3	IA-10	3Q18	460165764-1-60	9/26/2018	X	
On-Site	MW-479C_RPPS101.8	MW-479C	101.80	RPPS	X		3W	No	S3	IA-10	3Q18	460165764-1-61	9/26/2018		X
On-Site	MW-479S_PDB6.5	MW-479S	6.50	PDB	X		OVB	Yes	S1	IA-10	3Q18	460165764-1-62	9/26/2018	X	
On-Site	MW-479S_RPPS6.5	MW-479S	6.50	RPPS	X		OVB	Yes	S1	IA-10	3Q18	460165764-1-63	9/26/2018		X
On-Site	MW-480A_PDB12.5	MW-480A	12.50	PDB	X		1W	Yes	S1	IA-10	3Q18	460165764-1-65	9/26/2018	X	
On-Site	MW-480A_RPPS12.5	MW-480A	12.50	RPPS	X		1W	Yes	S1	IA-10	3Q18	460165764-1-66	9/26/2018		X
On-Site	MW-481B_PDB57.5	MW-481B	57.50	PDB	X		2W	No	S2	IA-10	3Q18	460165764-1-67	9/26/2018	X	
On-Site	MW-481B_RPPS57.5	MW-481B	57.50	RPPS	X		2W	No	S2	IA-10	3Q18	460165764-1-68	9/26/2018		X
On-Site	MW-481C_PDB82.5	MW-481C	82.50	PDB	X		2W	No	S3	IA-10	3Q18	460165764-1-69	9/26/2018	X	
On-Site	DW-3-D2_RPPS286.8	DW-3-D2	286.80	RPPS	X		5E	No	D2	IA-07	3Q18	460165764-1-7	9/26/2018		X
On-Site	MW-481C_RPPS82.5	MW-481C	82.50	RPPS	X		2W	No	S3	IA-10	3Q18	460165764-1-70	9/26/2018		X
On-Site	MW-482B_PDB42.5	MW-482B	42.50	PDB	X		2W	No	S2	IA-10	3Q18	460165764-1-71	9/26/2018	X	
On-Site	MW-482B_RPPS42.5	MW-482B	42.50	RPPS	X		2W	No	S2	IA-10	3Q18	460165764-1-72	9/26/2018		X
On-Site	MW-482C_PDB87.5	MW-482C	87.50	PDB	X		2W	No	S3	IA-10	3Q18	460165764-1-73	9/26/2018	X	
On-Site	MW-482C_RPPS87.5	MW-482C	87.50	RPPS	X		2W	No	S3	IA-10	3Q18	460165764-1-74	9/26/2018		X
On-Site	MW-483B_PDB57.5	MW-483B	57.50	PDB	X		2W	No	S2	IA-10	3Q18	460165764-1-75	9/26/2018	X	
On-Site	MW-483B_RPPS57.5	MW-483B	57.50	RPPS	X		2W	No	S2	IA-10	3Q18	460165764-1-76	9/26/2018		X
On-Site	MW-483C_PDB72.5	MW-483C	72.50	PDB	X		2W	No	S3	IA-10	3Q18	460165764-1-77	9/26/2018	X	
On-Site	MW-483C_RPPS72.5	MW-483C	72.50	RPPS	X		2W	No	S3	IA-10	3Q18	460165764-1-78	9/26/2018		X
On-Site	MW-501B_PDB32.5	MW-501B	32.50	PDB	X		1W	No	S2	IA-10	3Q18	460165764-1-79	9/26/2018	X	
On-Site	DW-57A_PDB236.8	DW-57A	236.80	PDB	X		5E	No	D1	IA-07	3Q18	460165764-1-8	9/26/2018	X	
On-Site	MW-501B_RPPS32.5	MW-501B	32.50	RPPS	X		1W	No	S2	IA-10	3Q18	460165764-1-80	9/26/2018		X
Off-site	DW-24_PDB171.75	DW-24	171.75	PDB	X		5E	No	D1	N/A	3Q18	460165764-1-81	9/26/2018	X	
Off-site	DW-24_RPPS171.75	DW-24	171.75	RPPS	X		5E	No	D1	N/A	3Q18	460165764-1-82	9/26/2018		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	MW-214A_PDB23.25	MW-214A	23.25	PDB	X		OVB	Yes	S1	N/A	3Q18	460165764-1-83	9/26/2018	X	
Off-site	MW-214A_RPPS23.25	MW-214A	23.25	RPPS	X		OVB	Yes	S1	N/A	3Q18	460165764-1-84	9/26/2018		X
Off-site	MW-214B_PDB41.75	MW-214B	41.75	PDB	X		2W	No	S2	N/A	3Q18	460165764-1-86	9/26/2018	X	
Off-site	MW-214B_RPPS41.75	MW-214B	41.75	RPPS	X		2W	No	S2	N/A	3Q18	460165764-1-87	9/26/2018		X
Off-site	MW-214C_PDB66.75	MW-214C	66.75	PDB	X		3W	No	S3	N/A	3Q18	460165764-1-88	9/26/2018	X	
Off-site	MW-214C_RPPS66.75	MW-214C	66.75	RPPS	X		3W	No	S3	N/A	3Q18	460165764-1-89	9/26/2018		X
On-Site	DW-57A_RPPS236.8	DW-57A	236.80	RPPS	X		5E	No	D1	IA-07	3Q18	460165764-1-9	9/26/2018		X
Off-site	MW-222_PDB71.75	MW-222	71.75	PDB	X		5E	No	S3	N/A	3Q18	460165764-1-90	9/26/2018	X	
Off-site	MW-222_RPPS71.75	MW-222	71.75	RPPS	X		5E	No	S3	N/A	3Q18	460165764-1-91	9/26/2018		X
Off-site	MW-222C_PDB253.75	MW-222C	253.75	PDB	X		5E	No	D2	N/A	3Q18	460165764-1-92	9/26/2018	X	
Off-site	MW-222C_RPPS253.75	MW-222C	253.75	RPPS	X		5E	No	D2	N/A	3Q18	460165764-1-93	9/26/2018		X
Off-site	MW-258B_PDB80.75	MW-258B	80.75	PDB	X		5E	No	S2	N/A	3Q18	460165764-1-94	9/26/2018	X	
Off-site	MW-258B_RPPS80.75	MW-258B	80.75	RPPS	X		5E	No	S2	N/A	3Q18	460165764-1-95	9/26/2018		X
Off-site	MW-258C_PDB106.75	MW-258C	106.75	PDB	X		5E	No	S3	N/A	3Q18	460165764-1-96	9/26/2018	X	
Off-site	MW-258C_RPPS106.75	MW-258C	106.75	RPPS	X		5E	No	S3	N/A	3Q18	460165764-1-97	9/26/2018		X
Off-site	MW-473A_PDB12.5	MW-473A	12.50	PDB	X		1W	Yes	S1	N/A	3Q18	460165764-1-98	9/26/2018	X	
Off-site	MW-473A_RPPS12.5	MW-473A	12.50	RPPS	X		1W	Yes	S1	N/A	3Q18	460165764-1-99	9/26/2018		X
On-Site	DW-14C_PDB375.75(A)	DW-14C	375.75	PDB	X		5W	No	D3	IA-10	3Q18	460165788-1-10	9/27/2018	X	
On-Site	DW-25C_PDB403.8(A)	DW-25C	403.80	PDB	X		5E	No	D3	IA-15	3Q18	460165788-1-100	9/27/2018	X	
On-Site	DW-25C_PDB403.8(B)	DW-25C	403.80	PDB		X	5E	No	D3	IA-15	3Q18	460165788-1-101	9/27/2018	X	
On-Site	DW-25C_RPPS403.8(A)	DW-25C	403.80	RPPS	X		5E	No	D3	IA-15	3Q18	460165788-1-102	9/27/2018		X
On-Site	DW-25C_RPPS403.8(B)	DW-25C	403.80	RPPS		X	5E	No	D3	IA-15	3Q18	460165788-1-103	9/27/2018		X
On-Site	DW-25D_PDB556.8(A)	DW-25D	556.80	PDB	X		5E	No	D4	IA-15	3Q18	460165788-1-105	9/27/2018	X	
On-Site	DW-25D_PDB556.8(B)	DW-25D	556.80	PDB		X	5E	No	D4	IA-15	3Q18	460165788-1-106	9/27/2018	X	
On-Site	DW-25D_RPPS556.8(A)	DW-25D	556.80	RPPS	X		5E	No	D4	IA-15	3Q18	460165788-1-107	9/27/2018		X
On-Site	DW-25D_RPPS556.8(B)	DW-25D	556.80	RPPS		X	5E	No	D4	IA-15	3Q18	460165788-1-108	9/27/2018		X
On-Site	DW-25-D1_PDB92.8	DW-25-D1	92.80	PDB	X		5E	No	D1	IA-15	3Q18	460165788-1-109	9/27/2018	X	
On-Site	DW-14C_PDB375.75(B)	DW-14C	375.75	PDB		X	5W	No	D3	IA-10	3Q18	460165788-1-11	9/27/2018	X	
On-Site	DW-25-D1_RPPS92.8	DW-25-D1	92.80	RPPS	X		5E	No	D1	IA-15	3Q18	460165788-1-110	9/27/2018		X
On-Site	MW-124A_PDB23.0	MW-124A	23.00	PDB	X		5E	Yes	S1	IA-15	3Q18	460165788-1-111	9/27/2018	X	
On-Site	MW-124A_RPPS23.0	MW-124A	23.00	RPPS	X		5E	Yes	S1	IA-15	3Q18	460165788-1-112	9/27/2018		X
On-Site	MW-124B_PDB25.75	MW-124B	25.75	PDB	X		5E	No	S2	IA-15	3Q18	460165788-1-113	9/27/2018	X	
On-Site	MW-124B_RPPS25.75	MW-124B	25.75	RPPS	X		5E	No	S2	IA-15	3Q18	460165788-1-114	9/27/2018		X
On-Site	DW-14C_RPPS375.75(A)	DW-14C	375.75	RPPS	X		5W	No	D3	IA-10	3Q18	460165788-1-12	9/27/2018		X
On-Site	DW-14C_RPPS375.75(B)	DW-14C	375.75	RPPS		X	5W	No	D3	IA-10	3Q18	460165788-1-13	9/27/2018		X
On-Site	DW-33B_PDB275.8	DW-33B	275.80	PDB	X		4W	No	D2	IA-10	3Q18	460165788-1-14	9/27/2018	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-33B_RPPS275.8	DW-33B	275.80	RPPS	X		4W	No	D2	IA-10	3Q18	460165788-1-15	9/27/2018		X
On-Site	DW-33C_PDB416.8	DW-33C	416.80	PDB	X		5W	No	D3	IA-10	3Q18	460165788-1-16	9/27/2018	X	
On-Site	DW-33C_RPPS416.8	DW-33C	416.80	RPPS	X		5W	No	D3	IA-10	3Q18	460165788-1-17	9/27/2018		X
On-Site	DW-40A_PDB138.8	DW-40A	138.80	PDB	X		5W	No	D1	IA-10	3Q18	460165788-1-18	9/27/2018	X	
On-Site	DW-40A_RPPS138.8	DW-40A	138.80	RPPS	X		5W	No	D1	IA-10	3Q18	460165788-1-19	9/27/2018		X
On-Site	DW-13B_PDB171.75	DW-13B	171.75	PDB	X		5W	No	D1	IA-10	3Q18	460165788-1-2	9/27/2018	X	
On-Site	DW-40B_PDB246.8	DW-40B	246.80	PDB	X		5W	No	D2	IA-10	3Q18	460165788-1-20	9/27/2018	X	
On-Site	DW-40B_RPPS246.8	DW-40B	246.80	RPPS	X		5W	No	D2	IA-10	3Q18	460165788-1-21	9/27/2018		X
On-Site	DW-40C_PDB396.8(A)	DW-40C	396.80	PDB	X		5W	No	D3	IA-10	3Q18	460165788-1-23	9/27/2018	X	
On-Site	DW-40C_PDB396.8(B)	DW-40C	396.80	PDB		X	5W	No	D3	IA-10	3Q18	460165788-1-24	9/27/2018	X	
On-Site	DW-40C_RPPS396.8(A)	DW-40C	396.80	RPPS	X		5W	No	D3	IA-10	3Q18	460165788-1-25	9/27/2018		X
On-Site	DW-40C_RPPS396.8(B)	DW-40C	396.80	RPPS		X	5W	No	D3	IA-10	3Q18	460165788-1-26	9/27/2018		X
On-Site	MW-126_PDB8.5	MW-126	8.50	PDB	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-27	9/27/2018	X	
On-Site	MW-126_RPPS8.5	MW-126	8.50	RPPS	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-28	9/27/2018		X
On-Site	MW-126B_PDB41.8	MW-126B	41.80	PDB	X		4W	No	S2	IA-10	3Q18	460165788-1-29	9/27/2018	X	
On-Site	DW-13B_RPPS171.75	DW-13B	171.75	RPPS	X		5W	No	D1	IA-10	3Q18	460165788-1-3	9/27/2018		X
On-Site	MW-126B_RPPS41.8	MW-126B	41.80	RPPS	X		4W	No	S2	IA-10	3Q18	460165788-1-30	9/27/2018		X
On-Site	MW-126C_PDB76.8	MW-126C	76.80	PDB	X		4W	No	S3	IA-10	3Q18	460165788-1-31	9/27/2018	X	
On-Site	MW-126C_RPPS76.8	MW-126C	76.80	RPPS	X		4W	No	S3	IA-10	3Q18	460165788-1-32	9/27/2018		X
On-Site	MW-206B_PDB46.75	MW-206B	46.75	PDB	X		1W	No	S2	IA-10	3Q18	460165788-1-33	9/27/2018	X	
On-Site	MW-206B_RPPS46.75	MW-206B	46.75	RPPS	X		1W	No	S2	IA-10	3Q18	460165788-1-34	9/27/2018		X
On-Site	MW-206C_PDB76.75	MW-206C	76.75	PDB	X		1W	No	S3	IA-10	3Q18	460165788-1-35	9/27/2018	X	
On-Site	MW-206C_RPPS76.75	MW-206C	76.75	RPPS	X		1W	No	S3	IA-10	3Q18	460165788-1-36	9/27/2018		X
On-Site	MW-207A_PDB6.75	MW-207A	6.75	PDB	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-37	9/27/2018	X	
On-Site	MW-207A_RPPS6.75	MW-207A	6.75	RPPS	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-38	9/27/2018		X
On-Site	MW-207B_PDB44.75	MW-207B	44.75	PDB	X		2W	No	S2	IA-10	3Q18	460165788-1-39	9/27/2018	X	
On-Site	DW-13-D2_PDB241.8	DW-13-D2	241.80	PDB	X		5W	No	D2	IA-10	3Q18	460165788-1-4	9/27/2018	X	
On-Site	MW-207B_RPPS44.75	MW-207B	44.75	RPPS	X		2W	No	S2	IA-10	3Q18	460165788-1-40	9/27/2018		X
On-Site	MW-207C_PDB61.75	MW-207C	61.75	PDB	X		2W	No	S3	IA-10	3Q18	460165788-1-41	9/27/2018	X	
On-Site	MW-207C_RPPS61.75	MW-207C	61.75	RPPS	X		2W	No	S3	IA-10	3Q18	460165788-1-42	9/27/2018		X
On-Site	MW-208C_PDB76.75	MW-208C	76.75	PDB	X		3W	No	S3	IA-10	3Q18	460165788-1-44	9/27/2018	X	
On-Site	MW-208C_RPPS76.75	MW-208C	76.75	RPPS	X		3W	No	S3	IA-10	3Q18	460165788-1-45	9/27/2018		X
On-Site	MW-275A_PDB7.0	MW-275A	7.00	PDB	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-46	9/27/2018	X	
On-Site	MW-275A_RPPS7.0	MW-275A	7.00	RPPS	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-47	9/27/2018		X
On-Site	MW-275B_PDB36.8	MW-275B	36.80	PDB	X		3W	No	S2	IA-10	3Q18	460165788-1-48	9/27/2018	X	
On-Site	MW-275B_RPPS36.8	MW-275B	36.80	RPPS	X		3W	No	S2	IA-10	3Q18	460165788-1-49	9/27/2018		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-13-D2_RPPS241.8	DW-13-D2	241.80	RPPS	X		5W	No	D2	IA-10	3Q18	460165788-1-5	9/27/2018		X
On-Site	MW-275C_PDB71.8	MW-275C	71.80	PDB	X		4W	No	S3	IA-10	3Q18	460165788-1-50	9/27/2018	X	
On-Site	MW-275C_RPPS71.8	MW-275C	71.80	RPPS	X		4W	No	S3	IA-10	3Q18	460165788-1-51	9/27/2018		X
On-Site	MW-32_PDB7.75	MW-32	7.75	PDB	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-52	9/27/2018	X	
On-Site	MW-32_RPPS7.75	MW-32	7.75	RPPS	X		OVb	Yes	S1	IA-10	3Q18	460165788-1-53	9/27/2018		X
On-Site	MW-347B_PDB46.8	MW-347B	46.80	PDB	X		3W	No	S2	IA-10	3Q18	460165788-1-54	9/27/2018	X	
On-Site	MW-347B_RPPS46.8	MW-347B	46.80	RPPS	X		3W	No	S2	IA-10	3Q18	460165788-1-55	9/27/2018		X
On-Site	MW-347C_PDB71.8	MW-347C	71.80	PDB	X		3W	No	S3	IA-10	3Q18	460165788-1-56	9/27/2018	X	
On-Site	MW-347C_RPPS71.8	MW-347C	71.80	RPPS	X		3W	No	S3	IA-10	3Q18	460165788-1-57	9/27/2018		X
On-Site	MW-348B_PDB51.8	MW-348B	51.80	PDB	X		3W	No	S2	IA-10	3Q18	460165788-1-58	9/27/2018	X	
On-Site	MW-348B_RPPS51.8	MW-348B	51.80	RPPS	X		3W	No	S2	IA-10	3Q18	460165788-1-59	9/27/2018		X
On-Site	DW-14A_PDB176.75	DW-14A	176.75	PDB	X		4W	No	D1	IA-10	3Q18	460165788-1-6	9/27/2018	X	
On-Site	MW-348C_PDB91.8	MW-348C	91.80	PDB	X		3W	No	S3	IA-10	3Q18	460165788-1-60	9/27/2018	X	
On-Site	MW-348C_RPPS91.8	MW-348C	91.80	RPPS	X		3W	No	S3	IA-10	3Q18	460165788-1-61	9/27/2018		X
On-Site	MW-349B_PDB41.8	MW-349B	41.80	PDB	X		3W	No	S2	IA-10	3Q18	460165788-1-62	9/27/2018	X	
On-Site	MW-349B_RPPS41.8	MW-349B	41.80	RPPS	X		3W	No	S2	IA-10	3Q18	460165788-1-63	9/27/2018		X
On-Site	MW-349C_PDB91.8	MW-349C	91.80	PDB	X		4W	No	S3	IA-10	3Q18	460165788-1-65	9/27/2018	X	
On-Site	MW-349C_RPPS91.8	MW-349C	91.80	RPPS	X		4W	No	S3	IA-10	3Q18	460165788-1-66	9/27/2018		X
On-Site	DW-42A_PDB118.8	DW-42A	118.80	PDB	X		5E	No	D1	IA-11	3Q18	460165788-1-67	9/27/2018	X	
On-Site	DW-42A_RPPS118.8	DW-42A	118.80	RPPS	X		5E	No	D1	IA-11	3Q18	460165788-1-68	9/27/2018		X
On-Site	DW-52A_PDB126.8	DW-52A	126.80	PDB	X		5E	No	D1	IA-11	3Q18	460165788-1-69	9/27/2018	X	
On-Site	DW-14A_RPPS176.75	DW-14A	176.75	RPPS	X		4W	No	D1	IA-10	3Q18	460165788-1-7	9/27/2018		X
On-Site	DW-52A_RPPS126.8	DW-52A	126.80	RPPS	X		5E	No	D1	IA-11	3Q18	460165788-1-70	9/27/2018		X
On-Site	MW-172_PDB37.0	MW-172	37.00	PDB	X		4E	Yes	S1	IA-11	3Q18	460165788-1-71	9/27/2018	X	
On-Site	MW-172_RPPS37.0	MW-172	37.00	RPPS	X		4E	Yes	S1	IA-11	3Q18	460165788-1-72	9/27/2018		X
On-Site	MW-302C_PDB79.8	MW-302C	79.80	PDB	X		4E	No	S3	IA-11	3Q18	460165788-1-73	9/27/2018	X	
On-Site	MW-302C_PDB95.5	MW-302C	95.50	PDB	X		4E	No	S3	IA-11	3Q18	460165788-1-74	9/27/2018	X	
On-Site	MW-302C_RPPS79.8	MW-302C	79.80	RPPS	X		4E	No	S3	IA-11	3Q18	460165788-1-75	9/27/2018		X
On-Site	MW-302C_RPPS95.5	MW-302C	95.50	RPPS	X		4E	No	S3	IA-11	3Q18	460165788-1-76	9/27/2018		X
On-Site	MW-452C_PDB52.5	MW-452C	52.50	PDB	X		4E	No	S3	IA-11	3Q18	460165788-1-77	9/27/2018	X	
On-Site	MW-452C_PDB57.5	MW-452C	57.50	PDB	X		4E	No	S3	IA-11	3Q18	460165788-1-78	9/27/2018	X	
On-Site	MW-452C_PDB62.5	MW-452C	62.50	PDB	X		4E	No	S3	IA-11	3Q18	460165788-1-79	9/27/2018	X	
On-Site	DW-14B_PDB228.75	DW-14B	228.75	PDB	X		5W	No	D2	IA-10	3Q18	460165788-1-8	9/27/2018	X	
On-Site	MW-452C_PDB67.5	MW-452C	67.50	PDB	X		4E	No	S3	IA-11	3Q18	460165788-1-80	9/27/2018	X	
On-Site	MW-452C_RPPS52.5	MW-452C	52.50	RPPS	X		4E	No	S3	IA-11	3Q18	460165788-1-81	9/27/2018		X
On-Site	MW-452C_RPPS57.5	MW-452C	57.50	RPPS	X		4E	No	S3	IA-11	3Q18	460165788-1-82	9/27/2018		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-452C_RPPS62.5	MW-452C	62.50	RPPS	X		4E	No	S3	IA-11	3Q18	460165788-1-83	9/27/2018		X
On-Site	MW-452C_RPPS67.5	MW-452C	67.50	RPPS	X		4E	No	S3	IA-11	3Q18	460165788-1-84	9/27/2018		X
On-Site	DW-17C_PDB116.75	DW-17C	116.75	PDB	X		5E	No	D1	IA-14	3Q18	460165788-1-86	9/27/2018	X	
On-Site	DW-17C_RPPS116.75	DW-17C	116.75	RPPS	X		5E	No	D1	IA-14	3Q18	460165788-1-87	9/27/2018		X
On-Site	MW-131_PDB14.45	MW-131	14.45	PDB	X		5E	Yes	S1	IA-14	3Q18	460165788-1-88	9/27/2018	X	
On-Site	MW-131_RPPS14.45	MW-131	14.45	RPPS	X		5E	Yes	S1	IA-14	3Q18	460165788-1-89	9/27/2018		X
On-Site	DW-14B_RPPS228.75	DW-14B	228.75	RPPS	X		5W	No	D2	IA-10	3Q18	460165788-1-9	9/27/2018		X
On-Site	MW-131B_PDB33.8	MW-131B	33.80	PDB	X		5E	No	S2	IA-14	3Q18	460165788-1-90	9/27/2018	X	
On-Site	MW-131B_RPPS33.8	MW-131B	33.80	RPPS	X		5E	No	S2	IA-14	3Q18	460165788-1-91	9/27/2018		X
On-Site	MW-131C_PDB76.8	MW-131C	76.80	PDB	X		5E	No	S3	IA-14	3Q18	460165788-1-92	9/27/2018	X	
On-Site	MW-131C_RPPS76.8	MW-131C	76.80	RPPS	X		5E	No	S3	IA-14	3Q18	460165788-1-93	9/27/2018		X
On-Site	MW-148A_PDB24.35	MW-148A	24.35	PDB	X		5E	Yes	S2	IA-14	3Q18	460165788-1-94	9/27/2018	X	
On-Site	MW-148A_RPPS24.35	MW-148A	24.35	RPPS	X		5E	Yes	S2	IA-14	3Q18	460165788-1-95	9/27/2018		X
On-Site	MW-148B_PDB44.85	MW-148B	44.85	PDB	X		5E	No	S3	IA-14	3Q18	460165788-1-96	9/27/2018	X	
On-Site	MW-148B_RPPS44.85	MW-148B	44.85	RPPS	X		5E	No	S3	IA-14	3Q18	460165788-1-97	9/27/2018		X
On-Site	DW-25B_PDB221.8	DW-25B	221.80	PDB	X		5E	No	D2	IA-15	3Q18	460165788-1-98	9/27/2018	X	
On-Site	DW-25B_RPPS221.8	DW-25B	221.80	RPPS	X		5E	No	D2	IA-15	3Q18	460165788-1-99	9/27/2018		X
On-Site	MW-143B_PDB46.8	MW-143B	46.80	PDB	X		4E	No	S2	IA-13	3Q18	460165796-1-10	9/28/2018	X	
On-Site	MW-143B_RPPS46.8	MW-143B	46.80	RPPS	X		4E	No	S2	IA-13	3Q18	460165796-1-11	9/28/2018		X
On-Site	MW-143C_PDB76.8	MW-143C	76.80	PDB	X		5E	No	S3	IA-13	3Q18	460165796-1-12	9/28/2018	X	
On-Site	MW-143C_RPPS76.8	MW-143C	76.80	RPPS	X		5E	No	S3	IA-13	3Q18	460165796-1-13	9/28/2018		X
On-Site	MW-276A_PDB26.8	MW-276A	26.80	PDB	X		4E	Yes	S1	IA-13	3Q18	460165796-1-14	9/28/2018	X	
On-Site	MW-276A_RPPS26.8	MW-276A	26.80	RPPS	X		4E	Yes	S1	IA-13	3Q18	460165796-1-15	9/28/2018		X
On-Site	MW-276B_PDB51.8	MW-276B	51.80	PDB	X		5E	No	S2	IA-13	3Q18	460165796-1-16	9/28/2018	X	
On-Site	MW-276B_RPPS51.8	MW-276B	51.80	RPPS	X		5E	No	S2	IA-13	3Q18	460165796-1-17	9/28/2018		X
On-Site	MW-276C_PDB86.8	MW-276C	86.80	PDB	X		5E	No	S3	IA-13	3Q18	460165796-1-18	9/28/2018	X	
On-Site	MW-276C_RPPS86.8	MW-276C	86.80	RPPS	X		5E	No	S3	IA-13	3Q18	460165796-1-19	9/28/2018		X
On-Site	DW-39B_PDB292.8	DW-39B	292.80	PDB	X		5E	No	D2	IA-13	3Q18	460165796-1-2	9/28/2018	X	
On-Site	DW-39B_RPPS292.8	DW-39B	292.80	RPPS	X		5E	No	D2	IA-13	3Q18	460165796-1-3	9/28/2018		X
On-Site	DW-39C_PDB492.8(A)	DW-39C	492.80	PDB	X		5E	No	D3	IA-13	3Q18	460165796-1-4	9/28/2018	X	
On-Site	DW-39C_PDB492.8(B)	DW-39C	492.80	PDB		X	5E	No	D3	IA-13	3Q18	460165796-1-5	9/28/2018	X	
On-Site	DW-39C_RPPS492.8(A)	DW-39C	492.80	RPPS	X		5E	No	D3	IA-13	3Q18	460165796-1-6	9/28/2018		X
On-Site	DW-39C_RPPS492.8(B)	DW-39C	492.80	RPPS		X	5E	No	D3	IA-13	3Q18	460165796-1-7	9/28/2018		X
On-Site	MW-143_PDB18.65	MW-143	18.65	PDB	X		4E	Yes	S1	IA-13	3Q18	460165796-1-8	9/28/2018	X	
On-Site	MW-143_RPPS18.65	MW-143	18.65	RPPS	X		4E	Yes	S1	IA-13	3Q18	460165796-1-9	9/28/2018		X
On-Site	MW-204C_PDB61.75	MW-204C	61.75	PDB	X		4E	No	S3	IA-07	3Q18	460168434-1-1	11/2/2018	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-204C_RPPS61.75	MW-204C	61.75	RPPS	X		4E	No	S3	IA-07	3Q18	460168434-1-2	11/2/2018		X
Off-site	DW-70-219-D1	DW-70-219-D1	219.00	MP	X		3W	No	D1	N/A	1Q19	460176759-1-10	3/5/2019	X	X
Off-site	DW-70-205-D1	DW-70-205-D1	205.00	MP	X		3W	No	D1	N/A	1Q19	460176759-1-11	3/5/2019	X	X
Off-site	DW-70-189-D1	DW-70-189-D1	189.00	MP	X		3W	No	D1	N/A	1Q19	460176759-1-12	3/5/2019	X	X
Off-site	DW-70-174-D1	DW-70-174-D1	174.00	MP	X		3W	No	D1	N/A	1Q19	460176759-1-13	3/5/2019	X	X
Off-site	DW-70-160-D1	DW-70-160-D1	160.00	MP	X		2W	No	D1	N/A	1Q19	460176759-1-14	3/5/2019	X	X
Off-site	DW-70-150-D1	DW-70-150-D1	150.00	MP	X		2W	No	D1	N/A	1Q19	460176759-1-15	3/5/2019	X	X
Off-site	DW-70-140-D1	DW-70-140-D1	140.00	MP	X		2W	No	D1	N/A	1Q19	460176759-1-16	3/5/2019	X	X
Off-site	DW-70-131-D1	DW-70-131-D1	131.00	MP	X		2W	No	D1	N/A	1Q19	460176759-1-17	3/5/2019	X	X
Off-site	DW-70-123-D1	DW-70-123-D1	123.00	MP	X		2W	No	D1	N/A	1Q19	460176759-1-18	3/5/2019	X	X
Off-site	DW-70-114-S3	DW-70-114-S3	114.00	MP	X		1W	No	S3	N/A	1Q19	460176759-1-19	3/5/2019	X	X
Off-site	DW-70-94-S3	DW-70-94-S3	94.00	MP	X		1W	No	S3	N/A	1Q19	460176759-1-20	3/5/2019	X	X
Off-site	DW-70-83-S3	DW-70-83-S3	83.00	MP	X		1W	No	S3	N/A	1Q19	460176759-1-21	3/5/2019	X	X
Off-site	DW-70-72-S3	DW-70-72-S3	72.00	MP	X		1W	No	S3	N/A	1Q19	460176759-1-22	3/5/2019	X	X
Off-site	DW-70-53-S2	DW-70-53-S2	53.00	MP	X		1W	No	S2	N/A	1Q19	460176759-1-23	3/5/2019	X	X
Off-site	DW-70-350-D2	DW-70-350-D2	350.00	MP	X		5W	No	D2	N/A	1Q19	460176759-1-3	3/5/2019	X	X
Off-site	DW-70-285-D2	DW-70-285-D2	285.00	MP	X		4W	No	D2	N/A	1Q19	460176759-1-4	3/5/2019	X	X
Off-site	DW-70-261-D2(A)	DW-70-261-D2	261.00	MP	X		4W	No	D2	N/A	1Q19	460176759-1-5	3/5/2019	X	X
Off-site	DW-70-261-D2(B)	DW-70-261-D2	261.00	MP		X	4W	No	D2	N/A	1Q19	460176759-1-6	3/5/2019	X	X
Off-site	DW-70-241-D2	DW-70-241-D2	241.00	MP	X		4W	No	D2	N/A	1Q19	460176759-1-8	3/5/2019	X	X
Off-site	DW-70-231-D2	DW-70-231-D2	231.00	MP	X		4W	No	D2	N/A	1Q19	460176759-1-9	3/5/2019	X	X
On-Site	DW-65-350-D2	DW-65-350-D2	350.00	MP	X		5W	No	D2	IA-12	1Q19	460176759-1-26	3/6/2019	X	X
On-Site	DW-65-331-D2	DW-65-331-D2	331.00	MP	X		5W	No	D2	IA-12	1Q19	460176759-1-27	3/6/2019	X	X
On-Site	DW-65-302-D2	DW-65-302-D2	302.00	MP	X		5W	No	D2	IA-12	1Q19	460176759-1-28	3/6/2019	X	X
On-Site	DW-65-262-D2	DW-65-262-D2	262.00	MP	X		5W	No	D2	IA-12	1Q19	460176759-1-29	3/6/2019	X	X
On-Site	DW-65-249-D2	DW-65-249-D2	249.00	MP	X		5W	No	D2	IA-12	1Q19	460176759-1-30	3/6/2019	X	X
On-Site	DW-65-239-D2(A)	DW-65-239-D2	239.00	MP	X		5W	No	D2	IA-12	1Q19	460176759-1-32	3/6/2019	X	X
On-Site	DW-65-239-D2(B)	DW-65-239-D2	239.00	MP		X	5W	No	D2	IA-12	1Q19	460176759-1-33	3/6/2019	X	X
On-Site	DW-65-221-D1	DW-65-221-D1	221.00	MP	X		5W	No	D1	IA-12	1Q19	460176759-1-34	3/6/2019	X	X
On-Site	DW-65-211-D1	DW-65-211-D1	211.00	MP	X		4W	No	D1	IA-12	1Q19	460176759-1-35	3/6/2019	X	X
On-Site	DW-65-199-D1	DW-65-199-D1	199.00	MP	X		4W	No	D1	IA-12	1Q19	460176759-1-36	3/6/2019	X	X
On-Site	DW-65-185-D1	DW-65-185-D1	185.00	MP	X		4W	No	D1	IA-12	1Q19	460176759-1-37	3/6/2019	X	X
On-Site	DW-65-176-D1	DW-65-176-D1	176.00	MP	X		4W	No	D1	IA-12	1Q19	460176759-1-38	3/6/2019	X	X
On-Site	DW-65-167-D1	DW-65-167-D1	167.00	MP	X		4W	No	D1	IA-12	1Q19	460176759-1-39	3/6/2019	X	X
On-Site	DW-65-154-D1	DW-65-154-D1	154.00	MP	X		3W	No	D1	IA-12	1Q19	460176759-1-40	3/6/2019	X	X
On-Site	DW-65-145-D1	DW-65-145-D1	145.00	MP	X		3W	No	D1	IA-12	1Q19	460176759-1-41	3/6/2019	X	X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-65-136-S3	DW-65-136-S3	136.00	MP	X		3W	No	S3	IA-12	1Q19	460176759-1-42	3/6/2019	X	X
On-Site	DW-65-126-S3	DW-65-126-S3	126.00	MP	X		3W	No	S3	IA-12	1Q19	460176759-1-43	3/6/2019	X	X
On-Site	DW-65-119-S3	DW-65-119-S3	119.00	MP	X		3W	No	S3	IA-12	1Q19	460176759-1-44	3/6/2019	X	X
On-Site	DW-65-105-S3	DW-65-105-S3	105.00	MP	X		3W	No	S3	IA-12	1Q19	460176759-1-45	3/6/2019	X	X
On-Site	DW-65-96-S3	DW-65-96-S3	96.00	MP	X		2W	No	S3	IA-12	1Q19	460176759-1-46	3/6/2019	X	X
On-Site	DW-65-91-S3	DW-65-91-S3	91.00	MP	X		2W	No	S3	IA-12	1Q19	460176759-1-47	3/6/2019	X	X
On-Site	DW-65-84-S2	DW-65-84-S2	84.00	MP	X		2W	No	S2	IA-12	1Q19	460176759-1-48	3/6/2019	X	X
On-Site	DW-65-73-S2(A)	DW-65-73-S2	73.00	MP	X		2W	No	S2	IA-12	1Q19	460176759-1-49	3/6/2019	X	X
On-Site	DW-65-73-S2(B)	DW-65-73-S2	73.00	MP		X	2W	No	S2	IA-12	1Q19	460176759-1-50	3/6/2019	X	X
On-Site	DW-65-66-S2	DW-65-66-S2	66.00	MP	X		2W	No	S2	IA-12	1Q19	460176759-1-51	3/6/2019	X	X
On-Site	DW-65-60-S2	DW-65-60-S2	60.00	MP	X		2W	No	S2	IA-12	1Q19	460176759-1-52	3/6/2019	X	X
Off-site	DW-69-234-D1	DW-69-234-D1	234.00	MP	X		3W	No	D1	N/A	1Q19	460176916-1-10	3/7/2019	X	X
Off-site	DW-69-224-D1	DW-69-224-D1	224.00	MP	X		2W	No	D1	N/A	1Q19	460176916-1-12	3/7/2019	X	X
Off-site	DW-69-213-D1	DW-69-213-D1	213.00	MP	X		2W	No	D1	N/A	1Q19	460176916-1-13	3/7/2019	X	X
Off-site	DW-69-195-D1	DW-69-195-D1	195.00	MP	X		2W	No	D1	N/A	1Q19	460176916-1-14	3/7/2019	X	X
Off-site	DW-69-186-D1	DW-69-186-D1	186.00	MP	X		2W	No	D1	N/A	1Q19	460176916-1-15	3/7/2019	X	X
Off-site	DW-69-171-D1	DW-69-171-D1	171.00	MP	X		2W	No	D1	N/A	1Q19	460176916-1-16	3/7/2019	X	X
Off-site	DW-69-160-D1	DW-69-160-D1	160.00	MP	X		2W	No	D1	N/A	1Q19	460176916-1-17	3/7/2019	X	X
Off-site	DW-69-150-D1	DW-69-150-D1	150.00	MP	X		2W	No	D1	N/A	1Q19	460176916-1-18	3/7/2019	X	X
Off-site	DW-69-142-S3	DW-69-142-S3	142.00	MP	X		2W	No	S3	N/A	1Q19	460176916-1-19	3/7/2019	X	X
Off-site	DW-69-134-S3	DW-69-134-S3	134.00	MP	X		1W	No	S3	N/A	1Q19	460176916-1-20	3/7/2019	X	X
Off-site	DW-69-114-S3	DW-69-114-S3	114.00	MP	X		1W	No	S3	N/A	1Q19	460176916-1-21	3/7/2019	X	X
Off-site	DW-69-104-S3	DW-69-104-S3	104.00	MP	X		1W	No	S3	N/A	1Q19	460176916-1-22	3/7/2019	X	X
Off-site	DW-69-86-S2	DW-69-86-S2	86.00	MP	X		1W	No	S2	N/A	1Q19	460176916-1-23	3/7/2019	X	X
Off-site	DW-69-70-S2	DW-69-70-S2	70.00	MP	X		1W	No	S2	N/A	1Q19	460176916-1-24	3/7/2019	X	X
Off-site	DW-69-375-D2	DW-69-375-D2	375.00	MP	X		4W	No	D2	N/A	1Q19	460176916-1-3	3/7/2019	X	X
Off-site	DW-69-303-D2	DW-69-303-D2	303.00	MP	X		4W	No	D2	N/A	1Q19	460176916-1-4	3/7/2019	X	X
Off-site	DW-69-283-D2	DW-69-283-D2	283.00	MP	X		3W	No	D2	N/A	1Q19	460176916-1-5	3/7/2019	X	X
Off-site	DW-69-270-D2	DW-69-270-D2	270.00	MP	X		3W	No	D2	N/A	1Q19	460176916-1-6	3/7/2019	X	X
Off-site	DW-69-260-D2	DW-69-260-D2	260.00	MP	X		3W	No	D2	N/A	1Q19	460176916-1-7	3/7/2019	X	X
Off-site	DW-69-246-D2(A)	DW-69-246-D2	246.00	MP	X		3W	No	D2	N/A	1Q19	460176916-1-8	3/7/2019	X	X
Off-site	DW-69-246-D2(B)	DW-69-246-D2	246.00	MP		X	3W	No	D2	N/A	1Q19	460176916-1-9	3/7/2019	X	X
Off-site	DW-72-375-D2	DW-72-375-D2	375.00	MP	X		5E	No	D2	N/A	1Q19	460176916-1-27	3/8/2019	X	X
Off-site	DW-72-330-D2	DW-72-330-D2	330.00	MP	X		5E	No	D2	N/A	1Q19	460176916-1-28	3/8/2019	X	X
Off-site	DW-72-316-D2	DW-72-316-D2	316.00	MP	X		5E	No	D2	N/A	1Q19	460176916-1-29	3/8/2019	X	X
Off-site	DW-72-299-D2(A)	DW-72-299-D2	299.00	MP	X		5E	No	D2	N/A	1Q19	460176916-1-30	3/8/2019	X	X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	DW-72-299-D2(B)	DW-72-299-D2	299.00	MP		X	5E	No	D2	N/A	1Q19	460176916-1-31	3/8/2019	X	X
Off-site	DW-72-288-D2	DW-72-288-D2	288.00	MP	X		5E	No	D2	N/A	1Q19	460176916-1-32	3/8/2019	X	X
Off-site	DW-72-276-D2	DW-72-276-D2	276.00	MP	X		5E	No	D2	N/A	1Q19	460176916-1-33	3/8/2019	X	X
Off-site	DW-72-263-D2	DW-72-263-D2	263.00	MP	X		5E	No	D2	N/A	1Q19	460176916-1-34	3/8/2019	X	X
Off-site	DW-72-246-D1	DW-72-246-D1	246.00	MP	X		5E	No	D1	N/A	1Q19	460176916-1-35	3/8/2019	X	X
Off-site	DW-72-237-D1	DW-72-237-D1	237.00	MP	X		5E	No	D1	N/A	1Q19	460176916-1-36	3/8/2019	X	X
Off-site	DW-72-224-D1	DW-72-224-D1	224.00	MP	X		5E	No	D1	N/A	1Q19	460176916-1-37	3/8/2019	X	X
Off-site	DW-72-217-D1	DW-72-217-D1	217.00	MP	X		5E	No	D1	N/A	1Q19	460176916-1-38	3/8/2019	X	X
Off-site	DW-72-202-D1	DW-72-202-D1	202.00	MP	X		5E	No	D1	N/A	1Q19	460176916-1-39	3/8/2019	X	X
Off-site	DW-72-176-D1	DW-72-176-D1	176.00	MP	X		5E	No	D1	N/A	1Q19	460176916-1-40	3/8/2019	X	X
Off-site	DW-72-167-D1	DW-72-167-D1	167.00	MP	X		5E	No	D1	N/A	1Q19	460176916-1-41	3/8/2019	X	X
Off-site	DW-72-146-S3	DW-72-146-S3	146.00	MP	X		4E	No	S3	N/A	1Q19	460176916-1-43	3/8/2019	X	X
Off-site	DW-72-136-S3	DW-72-136-S3	136.00	MP	X		4E	No	S3	N/A	1Q19	460176916-1-44	3/8/2019	X	X
Off-site	DW-72-120-S3	DW-72-120-S3	120.00	MP	X		4E	No	S3	N/A	1Q19	460176916-1-45	3/8/2019	X	X
Off-site	DW-72-113-S3	DW-72-113-S3	113.00	MP	X		4E	No	S3	N/A	1Q19	460176916-1-46	3/8/2019	X	X
Off-site	DW-72-99-S2(A)	DW-72-99-S2	99.00	MP	X		3E	No	S2	N/A	1Q19	460176916-1-47	3/8/2019	X	X
Off-site	DW-72-99-S2(B)	DW-72-99-S2	99.00	MP		X	3E	No	S2	N/A	1Q19	460176916-1-48	3/8/2019	X	X
Off-site	DW-72-84-S2	DW-72-84-S2	84.00	MP	X		3E	No	S2	N/A	1Q19	460176916-1-49	3/8/2019	X	X
Off-site	DW-72-63-S1	DW-72-63-S1	63.00	MP	X		2E	Yes	S1	N/A	1Q19	460176916-1-50	3/8/2019	X	X
Off-site	MW-201A_PDB21.75	MW-201A	21.75	PDB	X		2E	Yes	S1	N/A	1Q19	460178243-1-10	3/26/2019	X	
Off-site	MW-201A_RPPS21.75	MW-201A	21.75	RPPS	X		2E	Yes	S1	N/A	1Q19	460178243-1-11	3/26/2019		X
Off-site	MW-201_PDB28.75	MW-201	28.75	PDB	X		2E	Yes	S1	N/A	1Q19	460178243-1-12	3/26/2019	X	
Off-site	MW-201_RPPS28.75	MW-201	28.75	RPPS	X		2E	Yes	S1	N/A	1Q19	460178243-1-13	3/26/2019		X
Off-site	MW-201C_PDB92.8	MW-201C	92.80	PDB	X		3E	No	S3	N/A	1Q19	460178243-1-14	3/26/2019	X	
Off-site	MW-201C_RPPS92.8	MW-201C	92.80	RPPS	X		3E	No	S3	N/A	1Q19	460178243-1-15	3/26/2019		X
Off-site	MW-201B_PDB41.8	MW-201B	41.80	PDB	X		2E	No	S2	N/A	1Q19	460178243-1-16	3/26/2019	X	
Off-site	MW-201B_RPPS41.8	MW-201B	41.80	RPPS	X		2E	No	S2	N/A	1Q19	460178243-1-17	3/26/2019		X
Off-site	DW-7D_PDB426.75	DW-7D	426.75	PDB	X		5E	No	D3	N/A	1Q19	460178243-1-18	3/26/2019	X	
Off-site	DW-7D_RPPS426.75	DW-7D	426.75	RPPS	X		5E	No	D3	N/A	1Q19	460178243-1-19	3/26/2019		X
Off-site	MW-353A_PDB49.25	MW-353A	49.25	PDB	X		3E	Yes	S1	N/A	1Q19	460178243-1-2	3/26/2019	X	
Off-site	DW-7A_PDB123.8	DW-7A	123.80	PDB	X		3E	No	D1	N/A	1Q19	460178243-1-20	3/26/2019	X	
Off-site	DW-7A_RPPS123.8	DW-7A	123.80	RPPS	X		3E	No	D1	N/A	1Q19	460178243-1-21	3/26/2019		X
Off-site	DW-7B_PDB171.75	DW-7B	171.75	PDB	X		4E	No	D1	N/A	1Q19	460178243-1-22	3/26/2019	X	
Off-site	DW-7B_RPPS171.75	DW-7B	171.75	RPPS	X		4E	No	D1	N/A	1Q19	460178243-1-23	3/26/2019		X
Off-site	DW-7C_PDB341.75	DW-7C	341.75	PDB	X		5E	No	D2	N/A	1Q19	460178243-1-24	3/26/2019	X	
Off-site	DW-7C_RPPS341.75	DW-7C	341.75	RPPS	X		5E	No	D2	N/A	1Q19	460178243-1-25	3/26/2019		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-12B_PDB182.75	DW-12B	182.75	PDB	X		5W	No	D1	IA-04	1Q19	460178243-1-26	3/26/2019	X	
On-Site	DW-12B_RPPS182.75	DW-12B	182.75	RPPS	X		5W	No	D1	IA-04	1Q19	460178243-1-27	3/26/2019		X
On-Site	DW-12A_PDB130.75	DW-12A	130.75	PDB	X		4W	No	D1	IA-04	1Q19	460178243-1-28	3/26/2019	X	
On-Site	DW-12A_RPPS130.75	DW-12A	130.75	RPPS	X		4W	No	D1	IA-04	1Q19	460178243-1-29	3/26/2019		X
Off-site	MW-353A_RPPS49.25	MW-353A	49.25	RPPS	X		3E	Yes	S1	N/A	1Q19	460178243-1-3	3/26/2019		X
On-Site	DW-12CR_PDB516.8	DW-12CR	516.80	PDB	X		5W	No	D3	IA-04	1Q19	460178243-1-30	3/26/2019	X	
On-Site	DW-12CR_RPPS516.8	DW-12CR	516.80	RPPS	X		5W	No	D3	IA-04	1Q19	460178243-1-31	3/26/2019		X
On-Site	DW-68B_PDB284.5	DW-68B	284.50	PDB	X		5W	No	D2	IA-01	1Q19	460178243-1-32	3/26/2019	X	
On-Site	DW-68B_RPPS284.5	DW-68B	284.50	RPPS	X		5W	No	D2	IA-01	1Q19	460178243-1-33	3/26/2019		X
On-Site	DW-68A_PDB202.5	DW-68A	202.50	PDB	X		5W	No	D1	IA-01	1Q19	460178243-1-34	3/26/2019	X	
On-Site	DW-68A_RPPS202.5	DW-68A	202.50	RPPS	X		5W	No	D1	IA-01	1Q19	460178243-1-35	3/26/2019		X
On-Site	MW-416B_PDB49.25	MW-416B	49.25	PDB	X		2W	No	S2	IA-01	1Q19	460178243-1-36	3/26/2019	X	
On-Site	MW-416B_RPPS49.25	MW-416B	49.25	RPPS	X		2W	No	S2	IA-01	1Q19	460178243-1-37	3/26/2019		X
On-Site	MW-416C_PDB105.0	MW-416C	105.00	PDB	X		3W	No	S3	IA-01	1Q19	460178243-1-38	3/26/2019	X	
On-Site	MW-416C_RPPS105.0	MW-416C	105.00	RPPS	X		3W	No	S3	IA-01	1Q19	460178243-1-39	3/26/2019		X
Off-site	MW-353B_PDB76.3	MW-353B	76.30	PDB	X		3E	No	S2	N/A	1Q19	460178243-1-4	3/26/2019	X	
On-Site	MW-416A_PDB34.8	MW-416A	34.80	PDB	X		2W	Yes	S1	IA-01	1Q19	460178243-1-40	3/26/2019	X	
On-Site	MW-416A_RPPS34.8	MW-416A	34.80	RPPS	X		2W	Yes	S1	IA-01	1Q19	460178243-1-41	3/26/2019		X
On-Site	DW-67B_PDB269.5	DW-67B	269.50	PDB	X		5W	No	D2	IA-01	1Q19	460178243-1-42	3/26/2019	X	
On-Site	DW-67B_RPPS269.5	DW-67B	269.50	RPPS	X		5W	No	D2	IA-01	1Q19	460178243-1-43	3/26/2019		X
On-Site	MW-266C_PDB86.85	MW-266C	86.85	PDB	X		2W	No	S3	IA-12	1Q19	460178243-1-44	3/26/2019	X	
On-Site	MW-266C_RPPS86.85	MW-266C	86.85	RPPS	X		2W	No	S3	IA-12	1Q19	460178243-1-45	3/26/2019		X
On-Site	DW-32B_PDB297.75	DW-32B	297.75	PDB	X		5W	No	D2	IA-12	1Q19	460178243-1-46	3/26/2019	X	
On-Site	DW-32B_RPPS297.75	DW-32B	297.75	RPPS	X		5W	No	D2	IA-12	1Q19	460178243-1-47	3/26/2019		X
On-Site	MW-266B_PDB61.95	MW-266B	61.95	PDB	X		2W	No	S2	IA-12	1Q19	460178243-1-48	3/26/2019	X	
On-Site	MW-266B_RPPS61.95	MW-266B	61.95	RPPS	X		2W	No	S2	IA-12	1Q19	460178243-1-49	3/26/2019		X
Off-site	MW-353B_RPPS76.3	MW-353B	76.30	RPPS	X		3E	No	S2	N/A	1Q19	460178243-1-5	3/26/2019		X
Off-site	MW-171B_PDB46.75	MW-171B	46.75	PDB	X		4E	No	S2	N/A	1Q19	460178243-1-50	3/26/2019	X	
Off-site	MW-171B_RPPS46.75	MW-171B	46.75	RPPS	X		4E	No	S2	N/A	1Q19	460178243-1-51	3/26/2019		X
Off-site	MW-171A_PDB26.75	MW-171A	26.75	PDB	X		4E	Yes	S1	N/A	1Q19	460178243-1-52	3/26/2019	X	
Off-site	MW-171A_RPPS26.75	MW-171A	26.75	RPPS	X		4E	Yes	S1	N/A	1Q19	460178243-1-53	3/26/2019		X
Off-site	MW-171C_PDB66.75	MW-171C	66.75	PDB	X		5E	No	S3	N/A	1Q19	460178243-1-54	3/26/2019	X	
Off-site	MW-171C_RPPS66.75	MW-171C	66.75	RPPS	X		5E	No	S3	N/A	1Q19	460178243-1-55	3/26/2019		X
Off-site	MW-304A_PDB17.5	MW-304A	17.50	PDB	X		4E	Yes	S1	N/A	1Q19	460178243-1-56	3/26/2019	X	
Off-site	MW-304A_RPPS17.5	MW-304A	17.50	RPPS	X		4E	Yes	S1	N/A	1Q19	460178243-1-57	3/26/2019		X
Off-site	DW-47A_PDB117.5	DW-47A	117.50	PDB	X		5E	No	D1	N/A	1Q19	460178243-1-58	3/26/2019	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	DW-47A_RPPS117.5	DW-47A	117.50	RPPS	X		5E	No	D1	N/A	1Q19	460178243-1-59	3/26/2019		X
Off-site	MW-353C_PDB124.25	MW-353C	124.25	PDB	X		4E	No	S3	N/A	1Q19	460178243-1-6	3/26/2019	X	
Off-site	MW-304B_PDB37.5	MW-304B	37.50	PDB	X		4E	No	S2	N/A	1Q19	460178243-1-60	3/26/2019	X	
Off-site	MW-304B_RPPS37.5	MW-304B	37.50	RPPS	X		4E	No	S2	N/A	1Q19	460178243-1-61	3/26/2019		X
Off-site	MW-304C_PDB72.5	MW-304C	72.50	PDB	X		5E	No	S3	N/A	1Q19	460178243-1-62	3/26/2019	X	
Off-site	MW-304C_RPPS72.5	MW-304C	72.50	RPPS	X		5E	No	S3	N/A	1Q19	460178243-1-63	3/26/2019		X
Off-site	MW-106B_PDB31.2	MW-106B	31.20	PDB	X		3E	No	S2	N/A	1Q19	460178243-1-64	3/26/2019	X	
Off-site	MW-106B_RPPS31.2	MW-106B	31.20	RPPS	X		3E	No	S2	N/A	1Q19	460178243-1-65	3/26/2019		X
Off-site	MW-106A_PDB9.4	MW-106A	9.40	PDB	X		3E	Yes	S1	N/A	1Q19	460178243-1-66	3/26/2019	X	
Off-site	MW-106A_RPPS9.4	MW-106A	9.40	RPPS	X		3E	Yes	S1	N/A	1Q19	460178243-1-67	3/26/2019		X
Off-site	MW-104C_PDB76.75	MW-104C	76.75	PDB	X		4E	No	S3	N/A	1Q19	460178243-1-68	3/26/2019	X	
Off-site	MW-104C_RPPS76.75	MW-104C	76.75	RPPS	X		4E	No	S3	N/A	1Q19	460178243-1-69	3/26/2019		X
Off-site	MW-353C_RPPS124.25	MW-353C	124.25	RPPS	X		4E	No	S3	N/A	1Q19	460178243-1-7	3/26/2019		X
Off-site	MW-104A_PDB7.9	MW-104A	7.90	PDB	X		OVB	Yes	S1	N/A	1Q19	460178243-1-70	3/26/2019	X	
Off-site	MW-104A_RPPS7.9	MW-104A	7.90	RPPS	X		OVB	Yes	S1	N/A	1Q19	460178243-1-71	3/26/2019		X
Off-site	MW-104B_PDB30.1	MW-104B	30.10	PDB	X		3E	No	S2	N/A	1Q19	460178243-1-72	3/26/2019	X	
Off-site	MW-104B_RPPS30.1	MW-104B	30.10	RPPS	X		3E	No	S2	N/A	1Q19	460178243-1-73	3/26/2019		X
Off-site	DW-64A_PDB236.8	DW-64A	236.80	PDB	X		5E	No	D1	N/A	1Q19	460178243-1-8	3/26/2019	X	
Off-site	DW-64A_RPPS236.8	DW-64A	236.80	RPPS	X		5E	No	D1	N/A	1Q19	460178243-1-9	3/26/2019		X
Off-site	MW-485A_PDB12.5	MW-485A	12.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-10	3/27/2019	X	
Off-site	MW-485A_RPPS12.5	MW-485A	12.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-11	3/27/2019		X
Off-site	MW-496A_PDB17.5	MW-496A	17.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-12	3/27/2019	X	
Off-site	MW-496A_RPPS17.5	MW-496A	17.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-13	3/27/2019		X
Off-site	MW-496S_PDB7.5	MW-496S	7.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-14	3/27/2019	X	
Off-site	MW-496S_RPPS7.5	MW-496S	7.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-15	3/27/2019		X
Off-site	MW-487S_PDB8.75	MW-487S	8.75	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-16	3/27/2019	X	
Off-site	MW-487S_RPPS8.75	MW-487S	8.75	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-17	3/27/2019		X
Off-site	MW-487B_PDB32.5	MW-487B	32.50	PDB	X		2W	No	S2	N/A	1Q19	460178363-1-18	3/27/2019	X	
Off-site	MW-487B_RPPS32.5	MW-487B	32.50	RPPS	X		2W	No	S2	N/A	1Q19	460178363-1-19	3/27/2019		X
Off-site	MW-473A_PDB12.5	MW-473A	12.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-2	3/27/2019	X	
Off-site	MW-487A_PDB17.5	MW-487A	17.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-20	3/27/2019	X	
Off-site	MW-487A_RPPS17.5	MW-487A	17.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-21	3/27/2019		X
Off-site	MW-488A_PDB17.5	MW-488A	17.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-22	3/27/2019	X	
Off-site	MW-488A_RPPS17.5	MW-488A	17.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-23	3/27/2019		X
Off-site	MW-488B_PDB32.5	MW-488B	32.50	PDB	X		2W	No	S2	N/A	1Q19	460178363-1-24	3/27/2019	X	
Off-site	MW-488B_RPPS32.5	MW-488B	32.50	RPPS	X		2W	No	S2	N/A	1Q19	460178363-1-25	3/27/2019		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	MW-489A_PDB12.5	MW-489A	12.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-26	3/27/2019	X	
Off-site	MW-489A_RPPS12.5	MW-489A	12.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-27	3/27/2019		X
Off-site	MW-475A_PDB12.5	MW-475A	12.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-28	3/27/2019	X	
Off-site	MW-475A_RPPS12.5	MW-475A	12.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-29	3/27/2019		X
Off-site	MW-473A_RPPS12.5	MW-473A	12.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-3	3/27/2019		X
On-Site	MW-27_PDB5.65	MW-27	5.65	PDB	X		1W	Yes	S1	IA-10	1Q19	460178363-1-30	3/27/2019	X	
On-Site	MW-27_RPPS5.65	MW-27	5.65	RPPS	X		1W	Yes	S1	IA-10	1Q19	460178363-1-31	3/27/2019		X
On-Site	MW-27B_PDB41.8	MW-27B	41.80	PDB	X		2W	No	S2	IA-10	1Q19	460178363-1-32	3/27/2019	X	
On-Site	MW-27B_RPPS41.8	MW-27B	41.80	RPPS	X		2W	No	S2	IA-10	1Q19	460178363-1-33	3/27/2019		X
On-Site	MW-446A_PDB17.5	MW-446A	17.50	PDB	X		1W	Yes	S1	IA-10	1Q19	460178363-1-34	3/27/2019	X	
On-Site	MW-446A_RPPS17.5	MW-446A	17.50	RPPS	X		1W	Yes	S1	IA-10	1Q19	460178363-1-35	3/27/2019		X
On-Site	MW-472S_PDB7.5	MW-472S	7.50	PDB	X		OVB	Yes	S1	IA-10	1Q19	460178363-1-36	3/27/2019	X	
On-Site	MW-472S_RPPS7.5	MW-472S	7.50	RPPS	X		OVB	Yes	S1	IA-10	1Q19	460178363-1-37	3/27/2019		X
On-Site	MW-472A_PDB17.5	MW-472A	17.50	PDB	X		1W	Yes	S1	IA-10	1Q19	460178363-1-38	3/27/2019	X	
On-Site	MW-472A_RPPS17.5	MW-472A	17.50	RPPS	X		1W	Yes	S1	IA-10	1Q19	460178363-1-39	3/27/2019		X
Off-site	MW-486A_PDB12.5	MW-486A	12.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-4	3/27/2019	X	
On-Site	MW-476A_PDB17.5	MW-476A	17.50	PDB	X		1W	Yes	S1	IA-10	1Q19	460178363-1-40	3/27/2019	X	
On-Site	MW-476A_RPPS17.5	MW-476A	17.50	RPPS	X		1W	Yes	S1	IA-10	1Q19	460178363-1-41	3/27/2019		X
On-Site	MW-479C_PDB101.8	MW-479C	101.80	PDB	X		3W	No	S3	IA-10	1Q19	460178363-1-42	3/27/2019	X	
On-Site	MW-479C_RPPS101.8	MW-479C	101.80	RPPS	X		3W	No	S3	IA-10	1Q19	460178363-1-43	3/27/2019		X
On-Site	MW-479S_PDB6.5	MW-479S	6.50	PDB	X		OVB	Yes	S1	IA-10	1Q19	460178363-1-44	3/27/2019	X	
On-Site	MW-479S_RPPS6.5	MW-479S	6.50	RPPS	X		OVB	Yes	S1	IA-10	1Q19	460178363-1-45	3/27/2019		X
On-Site	MW-479A_PDB12.5	MW-479A	12.50	PDB	X		1W	Yes	S1	IA-10	1Q19	460178363-1-46	3/27/2019	X	
On-Site	MW-479A_RPPS12.5	MW-479A	12.50	RPPS	X		1W	Yes	S1	IA-10	1Q19	460178363-1-47	3/27/2019		X
On-Site	MW-479B_PDB31.8	MW-479B	31.80	PDB	X		2W	No	S2	IA-10	1Q19	460178363-1-48	3/27/2019	X	
On-Site	MW-479B_RPPS31.8	MW-479B	31.80	RPPS	X		2W	No	S2	IA-10	1Q19	460178363-1-49	3/27/2019		X
Off-site	MW-486A_RPPS12.5	MW-486A	12.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-5	3/27/2019		X
On-Site	MW-481B_PDB57.5	MW-481B	57.50	PDB	X		2W	No	S2	IA-10	1Q19	460178363-1-50	3/27/2019	X	
On-Site	MW-481B_RPPS57.5	MW-481B	57.50	RPPS	X		2W	No	S2	IA-10	1Q19	460178363-1-51	3/27/2019		X
On-Site	MW-481C_PDB82.5	MW-481C	82.50	PDB	X		2W	No	S3	IA-10	1Q19	460178363-1-52	3/27/2019	X	
On-Site	MW-481C_RPPS82.5	MW-481C	82.50	RPPS	X		2W	No	S3	IA-10	1Q19	460178363-1-53	3/27/2019		X
On-Site	MW-43_PDB21.85	MW-43	21.85	PDB	X		1W	Yes	S1	IA-10	1Q19	460178363-1-54	3/27/2019	X	
On-Site	MW-43_RPPS21.85	MW-43	21.85	RPPS	X		1W	Yes	S1	IA-10	1Q19	460178363-1-55	3/27/2019		X
On-Site	MW-482C_PDB87.5	MW-482C	87.50	PDB	X		2W	No	S3	IA-10	1Q19	460178363-1-56	3/27/2019	X	
On-Site	MW-482C_RPPS87.5	MW-482C	87.50	RPPS	X		2W	No	S3	IA-10	1Q19	460178363-1-57	3/27/2019		X
On-Site	MW-482B_PDB42.5	MW-482B	42.50	PDB	X		2W	No	S2	IA-10	1Q19	460178363-1-58	3/27/2019	X	

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Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-482B_RPPS42.5	MW-482B	42.50	RPPS	X		2W	No	S2	IA-10	1Q19	460178363-1-59	3/27/2019		X
Off-site	MW-474B_PDB37.5	MW-474B	37.50	PDB	X		2W	No	S2	N/A	1Q19	460178363-1-6	3/27/2019	X	
On-Site	MW-483B_PDB57.5	MW-483B	57.50	PDB	X		2W	No	S2	IA-10	1Q19	460178363-1-60	3/27/2019	X	
On-Site	MW-483B_RPPS57.5	MW-483B	57.50	RPPS	X		2W	No	S2	IA-10	1Q19	460178363-1-61	3/27/2019		X
On-Site	MW-483C_PDB72.5	MW-483C	72.50	PDB	X		2W	No	S3	IA-10	1Q19	460178363-1-62	3/27/2019	X	
On-Site	MW-483C_RPPS72.5	MW-483C	72.50	RPPS	X		2W	No	S3	IA-10	1Q19	460178363-1-63	3/27/2019		X
On-Site	MW-207C_PDB61.75	MW-207C	61.75	PDB	X		2W	No	S3	IA-10	1Q19	460178363-1-64	3/27/2019	X	
On-Site	MW-207C_RPPS61.75	MW-207C	61.75	RPPS	X		2W	No	S3	IA-10	1Q19	460178363-1-65	3/27/2019		X
On-Site	MW-207B_PDB44.75	MW-207B	44.75	PDB	X		2W	No	S2	IA-10	1Q19	460178363-1-66	3/27/2019	X	
On-Site	MW-207B_RPPS44.75	MW-207B	44.75	RPPS	X		2W	No	S2	IA-10	1Q19	460178363-1-67	3/27/2019		X
On-Site	MW-207A_PDB6.75	MW-207A	6.75	PDB	X		OVb	Yes	S1	IA-10	1Q19	460178363-1-68	3/27/2019	X	
On-Site	MW-207A_RPPS6.75	MW-207A	6.75	RPPS	X		OVb	Yes	S1	IA-10	1Q19	460178363-1-69	3/27/2019		X
Off-site	MW-474B_RPPS37.5	MW-474B	37.50	RPPS	X		2W	No	S2	N/A	1Q19	460178363-1-7	3/27/2019		X
On-Site	MW-348B_PDB51.8	MW-348B	51.80	PDB	X		3W	No	S2	IA-10	1Q19	460178363-1-70	3/27/2019	X	
On-Site	MW-348B_RPPS51.8	MW-348B	51.80	RPPS	X		3W	No	S2	IA-10	1Q19	460178363-1-71	3/27/2019		X
On-Site	MW-348C_PDB91.8	MW-348C	91.80	PDB	X		3W	No	S3	IA-10	1Q19	460178363-1-72	3/27/2019	X	
On-Site	MW-348C_RPPS91.8	MW-348C	91.80	RPPS	X		3W	No	S3	IA-10	1Q19	460178363-1-73	3/27/2019		X
On-Site	DW-40A_PDB138.8	DW-40A	138.80	PDB	X		5W	No	D1	IA-10	1Q19	460178363-1-74	3/27/2019	X	
On-Site	DW-40A_RPPS138.8	DW-40A	138.80	RPPS	X		5W	No	D1	IA-10	1Q19	460178363-1-75	3/27/2019		X
On-Site	DW-40C_PDB396.8	DW-40C	396.80	PDB	X		5W	No	D3	IA-10	1Q19	460178363-1-76	3/27/2019	X	
On-Site	DW-40C_RPPS396.8	DW-40C	396.80	RPPS	X		5W	No	D3	IA-10	1Q19	460178363-1-77	3/27/2019		X
On-Site	DW-40B_PDB246.8	DW-40B	246.80	PDB	X		5W	No	D2	IA-10	1Q19	460178363-1-78	3/27/2019	X	
On-Site	DW-40B_RPPS246.8	DW-40B	246.80	RPPS	X		5W	No	D2	IA-10	1Q19	460178363-1-79	3/27/2019		X
Off-site	MW-474A_PDB12.5	MW-474A	12.50	PDB	X		1W	Yes	S1	N/A	1Q19	460178363-1-8	3/27/2019	X	
On-Site	MW-126B_PDB41.8	MW-126B	41.80	PDB	X		4W	No	S2	IA-10	1Q19	460178363-1-80	3/27/2019	X	
On-Site	MW-126B_RPPS41.8	MW-126B	41.80	RPPS	X		4W	No	S2	IA-10	1Q19	460178363-1-81	3/27/2019		X
On-Site	MW-126C_PDB76.8	MW-126C	76.80	PDB	X		4W	No	S3	IA-10	1Q19	460178363-1-82	3/27/2019	X	
On-Site	MW-126C_RPPS76.8	MW-126C	76.80	RPPS	X		4W	No	S3	IA-10	1Q19	460178363-1-83	3/27/2019		X
On-Site	MW-126_PDB8.5	MW-126	8.50	PDB	X		OVb	Yes	S1	IA-10	1Q19	460178363-1-84	3/27/2019	X	
On-Site	MW-126_RPPS8.5	MW-126	8.50	RPPS	X		OVb	Yes	S1	IA-10	1Q19	460178363-1-85	3/27/2019		X
Off-site	MW-474A_RPPS12.5	MW-474A	12.50	RPPS	X		1W	Yes	S1	N/A	1Q19	460178363-1-9	3/27/2019		X
On-Site	MW-114_PDB75.4(B)	MW-114	75.40	PDB		X	4E	No	S2	IA-12	1Q19	460178412-1-10	3/28/2019	X	
On-Site	MW-114_RPPS75.4(B)	MW-114	75.40	RPPS		X	4E	No	S2	IA-12	1Q19	460178412-1-11	3/28/2019		X
On-Site	DW-2B_PDB132.75	DW-2B	132.75	PDB	X		5E	No	S3	IA-12	1Q19	460178412-1-12	3/28/2019	X	
On-Site	DW-2B_RPPS132.75	DW-2B	132.75	RPPS	X		5E	No	S3	IA-12	1Q19	460178412-1-13	3/28/2019		X
On-Site	MW-271C_PDB126.8	MW-271C	126.80	PDB	X		4E	No	S3	IA-12	1Q19	460178412-1-14	3/28/2019	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-271C_RPPS126.8	MW-271C	126.80	RPPS	X		4E	No	S3	IA-12	1Q19	460178412-1-15	3/28/2019		X
On-Site	MW-271B_PDB91.8	MW-271B	91.80	PDB	X		4E	No	S2	IA-12	1Q19	460178412-1-16	3/28/2019	X	
On-Site	MW-271B_RPPS91.8	MW-271B	91.80	RPPS	X		4E	No	S2	IA-12	1Q19	460178412-1-17	3/28/2019		X
On-Site	DW-28A_PDB180.8	DW-28A	180.80	PDB	X		5E	No	D1	IA-12	1Q19	460178412-1-18	3/28/2019	X	
On-Site	DW-28A_RPPS180.8	DW-28A	180.80	RPPS	X		5E	No	D1	IA-12	1Q19	460178412-1-19	3/28/2019		X
On-Site	MW-376C_PDB119.8	MW-376C	119.80	PDB	X		4E	No	S3	IA-12	1Q19	460178412-1-2	3/28/2019	X	
On-Site	DW-28B_PDB307.8	DW-28B	307.80	PDB	X		5E	No	D2	IA-12	1Q19	460178412-1-20	3/28/2019	X	
On-Site	DW-28B_RPPS307.8	DW-28B	307.80	RPPS	X		5E	No	D2	IA-12	1Q19	460178412-1-21	3/28/2019		X
On-Site	MW-271A_PDB56.8	MW-271A	56.80	PDB	X		3E	Yes	S1	IA-12	1Q19	460178412-1-22	3/28/2019	X	
On-Site	MW-271A_RPPS56.8	MW-271A	56.80	RPPS	X		3E	Yes	S1	IA-12	1Q19	460178412-1-23	3/28/2019		X
On-Site	MW-375C_PDB126.8	MW-375C	126.80	PDB	X		4E	No	S3	IA-12	1Q19	460178412-1-24	3/28/2019	X	
On-Site	MW-375C_RPPS126.8	MW-375C	126.80	RPPS	X		4E	No	S3	IA-12	1Q19	460178412-1-25	3/28/2019		X
On-Site	MW-375B_PDB69.8	MW-375B	69.80	PDB	X		3E	No	S2	IA-12	1Q19	460178412-1-26	3/28/2019	X	
On-Site	MW-375B_RPPS69.8	MW-375B	69.80	RPPS	X		3E	No	S2	IA-12	1Q19	460178412-1-27	3/28/2019		X
On-Site	MW-375A_PDB50.75(A)	MW-375A	50.75	PDB	X		2E	Yes	S1	IA-12	1Q19	460178412-1-28	3/28/2019	X	
On-Site	MW-375A_RPPS50.75(A)	MW-375A	50.75	RPPS	X		2E	Yes	S1	IA-12	1Q19	460178412-1-29	3/28/2019		X
On-Site	MW-375A_PDB50.75(B)	MW-375A	50.75	PDB		X	2E	Yes	S1	IA-12	1Q19	460178412-1-30	3/28/2019	X	
On-Site	MW-375A_RPPS50.75(B)	MW-375A	50.75	RPPS		X	2E	Yes	S1	IA-12	1Q19	460178412-1-31	3/28/2019		X
On-Site	MW-376C_RPPS119.8	MW-376C	119.80	RPPS	X		4E	No	S3	IA-12	1Q19	460178412-1-3	3/28/2019		X
On-Site	DW-29C_PDB438.8	DW-29C	438.80	PDB	X		5E	No	D3	IA-12	1Q19	460178412-1-32	3/28/2019	X	
On-Site	DW-29C_RPPS438.8	DW-29C	438.80	RPPS	X		5E	No	D3	IA-12	1Q19	460178412-1-33	3/28/2019		X
On-Site	DW-29B_PDB286.75	DW-29B	286.75	PDB	X		5E	No	D2	IA-12	1Q19	460178412-1-34	3/28/2019	X	
On-Site	DW-29B_RPPS286.75	DW-29B	286.75	RPPS	X		5E	No	D2	IA-12	1Q19	460178412-1-35	3/28/2019		X
On-Site	MW-122_PDB76.25(A)	MW-122	76.25	PDB	X		4E	No	S2	IA-07	1Q19	460178412-1-36	3/28/2019	X	
On-Site	MW-122_RPPS76.25(A)	MW-122	76.25	RPPS	X		4E	No	S2	IA-07	1Q19	460178412-1-37	3/28/2019		X
On-Site	MW-122_PDB76.25(B)	MW-122	76.25	PDB		X	4E	No	S2	IA-07	1Q19	460178412-1-38	3/28/2019	X	
On-Site	MW-122_RPPS76.25(B)	MW-122	76.25	RPPS		X	4E	No	S2	IA-07	1Q19	460178412-1-39	3/28/2019		X
On-Site	DW-2-D2_PDB276.8	DW-2-D2	276.80	PDB	X		5E	No	D2	IA-12	1Q19	460178412-1-4	3/28/2019	X	
On-Site	DW-38C_PDB531.8	DW-38C	531.80	PDB	X		5E	No	D3	IA-07	1Q19	460178412-1-40	3/28/2019	X	
On-Site	DW-38C_RPPS531.8	DW-38C	531.80	RPPS	X		5E	No	D3	IA-07	1Q19	460178412-1-41	3/28/2019		X
On-Site	DW-38B_PDB248.8	DW-38B	248.80	PDB	X		5E	No	D2	IA-07	1Q19	460178412-1-42	3/28/2019	X	
On-Site	DW-38B_RPPS248.8	DW-38B	248.80	RPPS	X		5E	No	D2	IA-07	1Q19	460178412-1-43	3/28/2019		X
On-Site	MW-269C_PDB121.8	MW-269C	121.80	PDB	X		5E	No	S3	IA-07	1Q19	460178412-1-44	3/28/2019	X	
On-Site	MW-269C_RPPS121.8	MW-269C	121.80	RPPS	X		5E	No	S3	IA-07	1Q19	460178412-1-45	3/28/2019		X
On-Site	MW-269A_PDB55.0	MW-269A	55.00	PDB	X		4E	Yes	S1	IA-07	1Q19	460178412-1-46	3/28/2019	X	
On-Site	MW-269A_RPPS55.0	MW-269A	55.00	RPPS	X		4E	Yes	S1	IA-07	1Q19	460178412-1-47	3/28/2019		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-46_PDB58.75	MW-46	58.75	PDB	X		4E	Yes	S1	IA-07	1Q19	460178412-1-48	3/28/2019	X	
On-Site	MW-46_RPPS58.75	MW-46	58.75	RPPS	X		4E	Yes	S1	IA-07	1Q19	460178412-1-49	3/28/2019		X
On-Site	DW-2-D2_RPPS276.8	DW-2-D2	276.80	RPPS	X		5E	No	D2	IA-12	1Q19	460178412-1-5	3/28/2019		X
On-Site	DW-3B_PDB113.75	DW-3B	113.75	PDB	X		5E	No	S3	IA-07	1Q19	460178412-1-50	3/28/2019	X	
On-Site	DW-3B_RPPS113.75	DW-3B	113.75	RPPS	X		5E	No	S3	IA-07	1Q19	460178412-1-51	3/28/2019		X
On-Site	MW-120_PDB76.75(A)	MW-120	76.75	PDB	X		4E	No	S2	IA-07	1Q19	460178412-1-52	3/28/2019	X	
On-Site	MW-120_RPPS76.75(A)	MW-120	76.75	RPPS	X		4E	No	S2	IA-07	1Q19	460178412-1-53	3/28/2019		X
On-Site	MW-120_PDB76.75(B)	MW-120	76.75	PDB		X	4E	No	S2	IA-07	1Q19	460178412-1-54	3/28/2019	X	
On-Site	MW-120_RPPS76.75(B)	MW-120	76.75	RPPS		X	4E	No	S2	IA-07	1Q19	460178412-1-55	3/28/2019		X
On-Site	DW-3-D2_PDB286.8	DW-3-D2	286.80	PDB	X		5E	No	D2	IA-07	1Q19	460178412-1-56	3/28/2019	X	
On-Site	DW-3-D2_RPPS286.8	DW-3-D2	286.80	RPPS	X		5E	No	D2	IA-07	1Q19	460178412-1-57	3/28/2019		X
On-Site	MW-114A_PDB71.8	MW-114A	71.80	PDB	X		4E	Yes	S1	IA-12	1Q19	460178412-1-6	3/28/2019	X	
On-Site	MW-114A_RPPS71.8	MW-114A	71.80	RPPS	X		4E	Yes	S1	IA-12	1Q19	460178412-1-7	3/28/2019		X
On-Site	MW-114_PDB75.4(A)	MW-114	75.40	PDB	X		4E	No	S2	IA-12	1Q19	460178412-1-8	3/28/2019	X	
On-Site	MW-114_RPPS75.4(A)	MW-114	75.40	RPPS	X		4E	No	S2	IA-12	1Q19	460178412-1-9	3/28/2019		X
On-Site	MW-117_PDB71.25(A)	MW-117	71.25	PDB	X		5W	No	S3	IA-09	1Q19	460178618-1-10	4/1/2019	X	
On-Site	MW-117_RPPS71.25(A)	MW-117	71.25	RPPS	X		5W	No	S3	IA-09	1Q19	460178618-1-11	4/1/2019		X
On-Site	MW-117_PDB71.25(B)	MW-117	71.25	PDB		X	5W	No	S3	IA-09	1Q19	460178618-1-12	4/1/2019	X	
On-Site	MW-117_RPPS71.25(B)	MW-117	71.25	RPPS		X	5W	No	S3	IA-09	1Q19	460178618-1-13	4/1/2019		X
On-Site	MW-15A_PDB13.25	MW-15A	13.25	PDB	X		OVb	Yes	S1	IA-07	1Q19	460178618-1-14	4/1/2019	X	
On-Site	MW-15A_RPPS13.25	MW-15A	13.25	RPPS	X		OVb	Yes	S1	IA-07	1Q19	460178618-1-15	4/1/2019		X
On-Site	MW-238C_PDB76.75	MW-238C	76.75	PDB	X		5W	No	S3	IA-07	1Q19	460178618-1-16	4/1/2019	X	
On-Site	MW-238C_RPPS76.75	MW-238C	76.75	RPPS	X		5W	No	S3	IA-07	1Q19	460178618-1-17	4/1/2019		X
On-Site	MW-288B_PDB46.4	MW-288B	46.40	PDB	X		2E	No	S2	IA-07	1Q19	460178618-1-18	4/1/2019	X	
On-Site	MW-288B_RPPS46.4	MW-288B	46.40	RPPS	X		2E	No	S2	IA-07	1Q19	460178618-1-19	4/1/2019		X
On-Site	DW-45A_PDB121.8	DW-45A	121.80	PDB	X		5E	No	D1	IA-07	1Q19	460178618-1-2	4/1/2019	X	
On-Site	MW-249A_PDB16.8	MW-249A	16.80	PDB	X		2E	Yes	S1	IA-07	1Q19	460178618-1-20	4/1/2019	X	
On-Site	MW-249A_RPPS16.8	MW-249A	16.80	RPPS	X		2E	Yes	S1	IA-07	1Q19	460178618-1-21	4/1/2019		X
On-Site	MW-204C_PDB61.75	MW-204C	61.75	PDB	X		4E	No	S3	IA-07	1Q19	460178618-1-22	4/1/2019	X	
On-Site	MW-204C_RPPS61.75	MW-204C	61.75	RPPS	X		4E	No	S3	IA-07	1Q19	460178618-1-23	4/1/2019		X
On-Site	MW-276C_PDB86.8	MW-276C	86.80	PDB	X		5E	No	S3	IA-13	1Q19	460178618-1-24	4/1/2019	X	
On-Site	MW-276C_RPPS86.8	MW-276C	86.80	RPPS	X		5E	No	S3	IA-13	1Q19	460178618-1-25	4/1/2019		X
On-Site	DW-39C_PDB492.8(A)	DW-39C	492.80	PDB	X		5E	No	D3	IA-13	1Q19	460178618-1-26	4/1/2019	X	
On-Site	DW-39C_RPPS492.8(A)	DW-39C	492.80	RPPS	X		5E	No	D3	IA-13	1Q19	460178618-1-27	4/1/2019		X
On-Site	DW-39C_PDB492.8(B)	DW-39C	492.80	PDB		X	5E	No	D3	IA-13	1Q19	460178618-1-28	4/1/2019	X	
On-Site	DW-39C_RPPS492.8(B)	DW-39C	492.80	RPPS		X	5E	No	D3	IA-13	1Q19	460178618-1-29	4/1/2019		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-45A_RPPS121.8	DW-45A	121.80	RPPS	X		5E	No	D1	IA-07	1Q19	460178618-1-3	4/1/2019		X
On-Site	MW-276B_PDB51.8	MW-276B	51.80	PDB	X		5E	No	S2	IA-13	1Q19	460178618-1-30	4/1/2019	X	
On-Site	MW-276B_RPPS51.8	MW-276B	51.80	RPPS	X		5E	No	S2	IA-13	1Q19	460178618-1-31	4/1/2019		X
On-Site	MW-276A_PDB26.8	MW-276A	26.80	PDB	X		4E	Yes	S1	IA-13	1Q19	460178618-1-32	4/1/2019	X	
On-Site	MW-276A_RPPS26.8	MW-276A	26.80	RPPS	X		4E	Yes	S1	IA-13	1Q19	460178618-1-33	4/1/2019		X
On-Site	DW-39B_PDB292.8	DW-39B	292.80	PDB	X		5E	No	D2	IA-13	1Q19	460178618-1-34	4/1/2019	X	
On-Site	DW-39B_RPPS292.8	DW-39B	292.80	RPPS	X		5E	No	D2	IA-13	1Q19	460178618-1-35	4/1/2019		X
On-Site	MW-143_PDB18.65	MW-143	18.65	PDB	X		4E	Yes	S1	IA-13	1Q19	460178618-1-36	4/1/2019	X	
On-Site	MW-143_RPPS18.65	MW-143	18.65	RPPS	X		4E	Yes	S1	IA-13	1Q19	460178618-1-37	4/1/2019		X
On-Site	MW-143C_PDB76.8	MW-143C	76.80	PDB	X		5E	No	S3	IA-13	1Q19	460178618-1-38	4/1/2019	X	
On-Site	MW-143C_RPPS76.8	MW-143C	76.80	RPPS	X		5E	No	S3	IA-13	1Q19	460178618-1-39	4/1/2019		X
On-Site	DW-41C_PDB426.8(A)	DW-41C	426.80	PDB	X		5E	No	D3	IA-03	1Q19	460178618-1-4	4/1/2019	X	
On-Site	MW-143B_PDB46.8	MW-143B	46.80	PDB	X		4E	No	S2	IA-13	1Q19	460178618-1-40	4/1/2019	X	
On-Site	MW-143B_RPPS46.8	MW-143B	46.80	RPPS	X		4E	No	S2	IA-13	1Q19	460178618-1-41	4/1/2019		X
On-Site	DW-25D_PDB556.8	DW-25D	556.80	PDB	X		5E	No	D4	IA-15	1Q19	460178618-1-42	4/1/2019	X	
On-Site	DW-25D_RPPS556.8	DW-25D	556.80	RPPS	X		5E	No	D4	IA-15	1Q19	460178618-1-43	4/1/2019		X
On-Site	DW-25-D1_PDB92.8	DW-25-D1	92.80	PDB	X		5E	No	D1	IA-15	1Q19	460178618-1-44	4/1/2019	X	
On-Site	DW-25-D1_RPPS92.8	DW-25-D1	92.80	RPPS	X		5E	No	D1	IA-15	1Q19	460178618-1-45	4/1/2019		X
On-Site	DW-25C_PDB403.8	DW-25C	403.80	PDB	X		5E	No	D3	IA-15	1Q19	460178618-1-46	4/1/2019	X	
On-Site	DW-25C_RPPS403.8	DW-25C	403.80	RPPS	X		5E	No	D3	IA-15	1Q19	460178618-1-47	4/1/2019		X
On-Site	DW-25B_PDB221.8	DW-25B	221.80	PDB	X		5E	No	D2	IA-15	1Q19	460178618-1-48	4/1/2019	X	
On-Site	DW-25B_RPPS221.8	DW-25B	221.80	RPPS	X		5E	No	D2	IA-15	1Q19	460178618-1-49	4/1/2019		X
On-Site	DW-41C_RPPS426.8(A)	DW-41C	426.80	RPPS	X		5E	No	D3	IA-03	1Q19	460178618-1-5	4/1/2019		X
On-Site	MW-124A_PDB23.0	MW-124A	23.00	PDB	X		5E	Yes	S1	IA-15	1Q19	460178618-1-50	4/1/2019	X	
On-Site	MW-124A_RPPS23.0	MW-124A	23.00	RPPS	X		5E	Yes	S1	IA-15	1Q19	460178618-1-51	4/1/2019		X
On-Site	MW-124B_PDB25.75	MW-124B	25.75	PDB	X		5E	No	S2	IA-15	1Q19	460178618-1-52	4/1/2019	X	
On-Site	MW-124B_RPPS25.75	MW-124B	25.75	RPPS	X		5E	No	S2	IA-15	1Q19	460178618-1-53	4/1/2019		X
On-Site	MW-148A_PDB24.35	MW-148A	24.35	PDB	X		5E	Yes	S2	IA-14	1Q19	460178618-1-54	4/1/2019	X	
On-Site	MW-148A_RPPS24.35	MW-148A	24.35	RPPS	X		5E	Yes	S2	IA-14	1Q19	460178618-1-55	4/1/2019		X
On-Site	MW-148B_PDB44.85	MW-148B	44.85	PDB	X		5E	No	S3	IA-14	1Q19	460178618-1-56	4/1/2019	X	
On-Site	MW-148B_RPPS44.85	MW-148B	44.85	RPPS	X		5E	No	S3	IA-14	1Q19	460178618-1-57	4/1/2019		X
On-Site	DW-17C_PDB116.75	DW-17C	116.75	PDB	X		5E	No	D1	IA-14	1Q19	460178618-1-58	4/1/2019	X	
On-Site	DW-17C_RPPS116.75	DW-17C	116.75	RPPS	X		5E	No	D1	IA-14	1Q19	460178618-1-59	4/1/2019		X
On-Site	DW-41C_PDB426.8(B)	DW-41C	426.80	PDB		X	5E	No	D3	IA-03	1Q19	460178618-1-6	4/1/2019	X	
On-Site	MW-131B_PDB33.8	MW-131B	33.80	PDB	X		5E	No	S2	IA-14	1Q19	460178618-1-60	4/1/2019	X	
On-Site	MW-131B_RPPS33.8	MW-131B	33.80	RPPS	X		5E	No	S2	IA-14	1Q19	460178618-1-61	4/1/2019		X

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-131C_PDB76.8	MW-131C	76.80	PDB	X		5E	No	S3	IA-14	1Q19	460178618-1-62	4/1/2019	X	
On-Site	MW-131C_RPPS76.8	MW-131C	76.80	RPPS	X		5E	No	S3	IA-14	1Q19	460178618-1-63	4/1/2019		X
On-Site	MW-131_PDB14.45	MW-131	14.45	PDB	X		5E	Yes	S1	IA-14	1Q19	460178618-1-64	4/1/2019	X	
On-Site	MW-131_RPPS14.45	MW-131	14.45	RPPS	X		5E	Yes	S1	IA-14	1Q19	460178618-1-65	4/1/2019		X
On-Site	DW-41C_RPPS426.8(B)	DW-41C	426.80	RPPS		X	5E	No	D3	IA-03	1Q19	460178618-1-7	4/1/2019		X
On-Site	MW-170AR_PDB15.25	MW-170AR	15.25	PDB	X		OVB	Yes	S1	IA-09	1Q19	460178618-1-8	4/1/2019	X	
On-Site	MW-170AR_RPPS15.25	MW-170AR	15.25	RPPS	X		OVB	Yes	S1	IA-09	1Q19	460178618-1-9	4/1/2019		X
On-Site	MW-275B_PDB36.8	MW-275B	36.80	PDB	X		3W	No	S2	IA-10	1Q19	460179019-1-10	4/2/2019	X	
On-Site	MW-275B_RPPS36.8	MW-275B	36.80	RPPS	X		3W	No	S2	IA-10	1Q19	460179019-1-11	4/2/2019		X
On-Site	MW-275A_PDB7.0	MW-275A	7.00	PDB	X		OVB	Yes	S1	IA-10	1Q19	460179019-1-12	4/2/2019	X	
On-Site	MW-275A_RPPS7.0	MW-275A	7.00	RPPS	X		OVB	Yes	S1	IA-10	1Q19	460179019-1-13	4/2/2019		X
On-Site	MW-22A_PDB40.75	MW-22A	40.75	PDB	X		3W	No	S2	IA-06	1Q19	460179019-1-14	4/2/2019	X	
On-Site	MW-22A_RPPS40.75	MW-22A	40.75	RPPS	X		3W	No	S2	IA-06	1Q19	460179019-1-15	4/2/2019		X
On-Site	MW-452C_PDB57.5	MW-452C	57.50	PDB	X		4E	No	S3	IA-11	1Q19	460179019-1-16	4/2/2019	X	
On-Site	MW-452C_RPPS57.5	MW-452C	57.50	RPPS	X		4E	No	S3	IA-11	1Q19	460179019-1-17	4/2/2019		X
On-Site	MW-302C_PDB95.5	MW-302C	95.50	PDB	X		4E	No	S3	IA-11	1Q19	460179019-1-18	4/2/2019	X	
On-Site	MW-302C_RPPS95.5	MW-302C	95.50	RPPS	X		4E	No	S3	IA-11	1Q19	460179019-1-19	4/2/2019		X
On-Site	MW-208C_PDB76.75	MW-208C	76.75	PDB	X		3W	No	S3	IA-10	1Q19	460179019-1-2	4/2/2019	X	
On-Site	DW-52A_PDB126.8	DW-52A	126.80	PDB	X		5E	No	D1	IA-11	1Q19	460179019-1-20	4/2/2019	X	
On-Site	DW-52A_RPPS126.8	DW-52A	126.80	RPPS	X		5E	No	D1	IA-11	1Q19	460179019-1-21	4/2/2019		X
On-Site	DW-42A_PDB118.8	DW-42A	118.80	PDB	X		5E	No	D1	IA-11	1Q19	460179019-1-22	4/2/2019	X	
On-Site	DW-42A_RPPS118.8	DW-42A	118.80	RPPS	X		5E	No	D1	IA-11	1Q19	460179019-1-23	4/2/2019		X
Off-site	MW-236C_PDB54.75	MW-236C	54.75	PDB	X		4W	No	S3	N/A	1Q19	460179019-1-24	4/2/2019	X	
Off-site	MW-236C_RPPS54.75	MW-236C	54.75	RPPS	X		4W	No	S3	N/A	1Q19	460179019-1-25	4/2/2019		X
Off-site	MW-236B_PDB34.75	MW-236B	34.75	PDB	X		4W	No	S2	N/A	1Q19	460179019-1-26	4/2/2019	X	
Off-site	MW-236B_RPPS34.75	MW-236B	34.75	RPPS	X		4W	No	S2	N/A	1Q19	460179019-1-27	4/2/2019		X
Off-site	MW-108A_PDB7.9	MW-108A	7.90	PDB	X		OVB	Yes	S1	N/A	1Q19	460179019-1-28	4/2/2019	X	
Off-site	MW-108A_RPPS7.9	MW-108A	7.90	RPPS	X		OVB	Yes	S1	N/A	1Q19	460179019-1-29	4/2/2019		X
On-Site	MW-208C_RPPS76.75	MW-208C	76.75	RPPS	X		3W	No	S3	IA-10	1Q19	460179019-1-3	4/2/2019		X
Off-site	MW-105A_PDB7.9	MW-105A	7.90	PDB	X		OVB	Yes	S1	N/A	1Q19	460179019-1-30	4/2/2019	X	
Off-site	MW-105A_RPPS7.9	MW-105A	7.90	RPPS	X		OVB	Yes	S1	N/A	1Q19	460179019-1-31	4/2/2019		X
Off-site	MW-105B_PDB36.0	MW-105B	36.00	PDB	X		4W	No	S2	N/A	1Q19	460179019-1-32	4/2/2019	X	
Off-site	MW-105B_RPPS36.0	MW-105B	36.00	RPPS	X		4W	No	S2	N/A	1Q19	460179019-1-33	4/2/2019		X
Off-site	MW-144A_PDB13.5	MW-144A	13.50	PDB	X		OVB	Yes	S1	N/A	1Q19	460179019-1-34	4/2/2019	X	
Off-site	MW-144A_RPPS13.5	MW-144A	13.50	RPPS	X		OVB	Yes	S1	N/A	1Q19	460179019-1-35	4/2/2019		X
Off-site	MW-144B_PDB34.75	MW-144B	34.75	PDB	X		4E	No	S2	N/A	1Q19	460179019-1-36	4/2/2019	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	MW-144B_RPPS34.75	MW-144B	34.75	RPPS	X		4E	No	S2	N/A	1Q19	460179019-1-37	4/2/2019		X
Off-site	MW-257A_PDB27.0	MW-257A	27.00	PDB	X		4E	Yes	S1	N/A	1Q19	460179019-1-38	4/2/2019	X	
Off-site	MW-257A_RPPS27.0	MW-257A	27.00	RPPS	X		4E	Yes	S1	N/A	1Q19	460179019-1-39	4/2/2019		X
On-Site	MW-349C_PDB91.8	MW-349C	91.80	PDB	X		4W	No	S3	IA-10	1Q19	460179019-1-4	4/2/2019	X	
Off-site	MW-257B_PDB46.75	MW-257B	46.75	PDB	X		4E	No	S2	N/A	1Q19	460179019-1-40	4/2/2019	X	
Off-site	MW-257B_RPPS46.75	MW-257B	46.75	RPPS	X		4E	No	S2	N/A	1Q19	460179019-1-41	4/2/2019		X
On-Site	DW-67A_PDB215.5	DW-67A	215.50	PDB	X		5W	No	D1	IA-01	1Q19	460179019-1-42	4/2/2019	X	
On-Site	DW-67A_RPPS215.5	DW-67A	215.50	RPPS	X		5W	No	D1	IA-01	1Q19	460179019-1-43	4/2/2019		X
On-Site	MW-349C_RPPS91.8	MW-349C	91.80	RPPS	X		4W	No	S3	IA-10	1Q19	460179019-1-5	4/2/2019		X
On-Site	MW-349B_PDB41.8	MW-349B	41.80	PDB	X		3W	No	S2	IA-10	1Q19	460179019-1-6	4/2/2019	X	
On-Site	MW-349B_RPPS41.8	MW-349B	41.80	RPPS	X		3W	No	S2	IA-10	1Q19	460179019-1-7	4/2/2019		X
On-Site	MW-275C_PDB71.8	MW-275C	71.80	PDB	X		4W	No	S3	IA-10	1Q19	460179019-1-8	4/2/2019	X	
On-Site	MW-275C_RPPS71.8	MW-275C	71.80	RPPS	X		4W	No	S3	IA-10	1Q19	460179019-1-9	4/2/2019		X
Off-site	MW-213C_PDB76.75	MW-213C	76.75	PDB	X		1W	No	S2	N/A	1Q19	460179019-1-100	4/4/2019	X	
Off-site	MW-213C_RPPS76.75	MW-213C	76.75	RPPS	X		1W	No	S2	N/A	1Q19	460179019-1-101	4/4/2019		X
Off-site	MW-146B_PDB53.75	MW-146B	53.75	PDB	X		5E	No	S2	N/A	1Q19	460179019-1-44	4/4/2019	X	
Off-site	MW-146B_RPPS53.75	MW-146B	53.75	RPPS	X		5E	No	S2	N/A	1Q19	460179019-1-45	4/4/2019		X
Off-site	MW-146C_PDB66.75	MW-146C	66.75	PDB	X		5E	No	S3	N/A	1Q19	460179019-1-46	4/4/2019	X	
Off-site	MW-146C_RPPS66.75	MW-146C	66.75	RPPS	X		5E	No	S3	N/A	1Q19	460179019-1-47	4/4/2019		X
Off-site	DW-4C_PDB138.75	DW-4C	138.75	PDB	X		5E	No	D1	N/A	1Q19	460179019-1-48	4/4/2019	X	
Off-site	DW-4C_RPPS138.75	DW-4C	138.75	RPPS	X		5E	No	D1	N/A	1Q19	460179019-1-49	4/4/2019		X
Off-site	DW-4D_PDB446.75	DW-4D	446.75	PDB	X		5E	No	D3	N/A	1Q19	460179019-1-50	4/4/2019	X	
Off-site	DW-4D_RPPS446.75	DW-4D	446.75	RPPS	X		5E	No	D3	N/A	1Q19	460179019-1-51	4/4/2019		X
Off-site	MW-146A_PDB23.3	MW-146A	23.30	PDB	X		5E	Yes	S1	N/A	1Q19	460179019-1-52	4/4/2019	X	
Off-site	MW-146A_RPPS23.3	MW-146A	23.30	RPPS	X		5E	Yes	S1	N/A	1Q19	460179019-1-53	4/4/2019		X
Off-site	MW-216C_PDB71.75	MW-216C	71.75	PDB	X		5E	No	S3	N/A	1Q19	460179019-1-54	4/4/2019	X	
Off-site	MW-216C_RPPS71.75	MW-216C	71.75	RPPS	X		5E	No	S3	N/A	1Q19	460179019-1-55	4/4/2019		X
Off-site	DW-24_PDB171.75	DW-24	171.75	PDB	X		5E	No	D1	N/A	1Q19	460179019-1-56	4/4/2019	X	
Off-site	DW-24_RPPS171.75	DW-24	171.75	RPPS	X		5E	No	D1	N/A	1Q19	460179019-1-57	4/4/2019		X
Off-site	MW-258C_PDB106.75	MW-258C	106.75	PDB	X		5E	No	S3	N/A	1Q19	460179019-1-58	4/4/2019	X	
Off-site	MW-258C_RPPS106.75	MW-258C	106.75	RPPS	X		5E	No	S3	N/A	1Q19	460179019-1-59	4/4/2019		X
Off-site	MW-258B_PDB80.75	MW-258B	80.75	PDB	X		5E	No	S2	N/A	1Q19	460179019-1-60	4/4/2019	X	
Off-site	MW-258B_RPPS80.75	MW-258B	80.75	RPPS	X		5E	No	S2	N/A	1Q19	460179019-1-61	4/4/2019		X
Off-site	MW-222_PDB71.75	MW-222	71.75	PDB	X		5E	No	S3	N/A	1Q19	460179019-1-62	4/4/2019	X	
Off-site	MW-222_RPPS71.75	MW-222	71.75	RPPS	X		5E	No	S3	N/A	1Q19	460179019-1-63	4/4/2019		X
Off-site	MW-222C_PDB253.75	MW-222C	253.75	PDB	X		5E	No	D2	N/A	1Q19	460179019-1-64	4/4/2019	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
Off-site	MW-222C_RPPS253.75	MW-222C	253.75	RPPS	X		5E	No	D2	N/A	1Q19	460179019-1-65	4/4/2019		X
On-Site	MW-237C_PDB111.75	MW-237C	111.75	PDB	X		3W	No	S3	IA-12	1Q19	460179019-1-66	4/4/2019	X	
On-Site	MW-237C_RPPS111.75	MW-237C	111.75	RPPS	X		3W	No	S3	IA-12	1Q19	460179019-1-67	4/4/2019		X
On-Site	DW-31B_PDB316.8	DW-31B	316.80	PDB	X		5W	No	D2	IA-12	1Q19	460179019-1-74	4/4/2019	X	
On-Site	DW-31B_RPPS316.8	DW-31B	316.80	RPPS	X		5W	No	D2	IA-12	1Q19	460179019-1-75	4/4/2019		X
On-Site	MW-237B_PDB73.8	MW-237B	73.80	PDB	X		3W	No	S2	IA-12	1Q19	460179019-1-76	4/4/2019	X	
On-Site	MW-237B_RPPS73.8	MW-237B	73.80	RPPS	X		3W	No	S2	IA-12	1Q19	460179019-1-77	4/4/2019		X
On-Site	DW-31C_PDB436.8	DW-31C	436.80	PDB	X		5W	No	D3	IA-12	1Q19	460179019-1-78	4/4/2019	X	
On-Site	DW-31C_RPPS436.8	DW-31C	436.80	RPPS	X		5W	No	D3	IA-12	1Q19	460179019-1-79	4/4/2019		X
On-Site	DW-31A_PDB176.8	DW-31A	176.80	PDB	X		4W	No	D1	IA-12	1Q19	460179019-1-80	4/4/2019	X	
On-Site	DW-31A_RPPS176.8	DW-31A	176.80	RPPS	X		4W	No	D1	IA-12	1Q19	460179019-1-81	4/4/2019		X
On-Site	DW-30B_PDB256.75	DW-30B	256.75	PDB	X		5W	No	D2	IA-12	1Q19	460179019-1-82	4/4/2019	X	
On-Site	DW-30B_RPPS256.75	DW-30B	256.75	RPPS	X		5W	No	D2	IA-12	1Q19	460179019-1-83	4/4/2019		X
On-Site	DW-8A_PDB117.75	DW-8A	117.75	PDB	X		4E	No	D1	IA-12	1Q19	460179019-1-84	4/4/2019	X	
On-Site	DW-8A_RPPS117.75	DW-8A	117.75	RPPS	X		4E	No	D1	IA-12	1Q19	460179019-1-85	4/4/2019		X
On-Site	DW-8B_PDB188.75	DW-8B	188.75	PDB	X		5E	No	D1	IA-12	1Q19	460179019-1-86	4/4/2019	X	
On-Site	DW-8B_RPPS188.75	DW-8B	188.75	RPPS	X		5E	No	D1	IA-12	1Q19	460179019-1-87	4/4/2019		X
On-Site	MW-270A_PDB59.5	MW-270A	59.50	PDB	X		4E	Yes	S1	IA-07	1Q19	460179019-1-88	4/4/2019	X	
On-Site	MW-270A_RPPS59.5	MW-270A	59.50	RPPS	X		4E	Yes	S1	IA-07	1Q19	460179019-1-89	4/4/2019		X
On-Site	DW-37B_PDB296.8	DW-37B	296.80	PDB	X		5E	No	D2	IA-07	1Q19	460179019-1-90	4/4/2019	X	
On-Site	DW-37B_RPPS296.8	DW-37B	296.80	RPPS	X		5E	No	D2	IA-07	1Q19	460179019-1-91	4/4/2019		X
On-Site	MW-260-S3_PDB121.8	MW-260-S3	121.80	PDB	X		5E	No	S3	IA-03	1Q19	460179019-1-92	4/4/2019	X	
On-Site	MW-260-S3_RPPS121.8	MW-260-S3	121.80	RPPS	X		5E	No	S3	IA-03	1Q19	460179019-1-93	4/4/2019		X
On-Site	MW-260C_PDB62.0	MW-260C	62.00	PDB	X		4E	No	S2	IA-03	1Q19	460179019-1-94	4/4/2019	X	
On-Site	MW-260C_RPPS62.0	MW-260C	62.00	RPPS	X		4E	No	S2	IA-03	1Q19	460179019-1-95	4/4/2019		X
Off-site	MW-1G_PDB10.75	MW-1G	10.75	PDB	X		OVB	Yes	S1	N/A	1Q19	460179019-1-96	4/4/2019	X	
Off-site	MW-1G_RPPS10.75	MW-1G	10.75	RPPS	X		OVB	Yes	S1	N/A	1Q19	460179019-1-97	4/4/2019		X
Off-site	MW-213B_PDB46.75	MW-213B	46.75	PDB	X		1W	Yes	S1	N/A	1Q19	460179019-1-98	4/4/2019	X	
Off-site	MW-213B_RPPS46.75	MW-213B	46.75	RPPS	X		1W	Yes	S1	N/A	1Q19	460179019-1-99	4/4/2019		X
On-Site	MW-44C_PDB76.75	MW-44C	76.75	PDB	X		2W	No	S3	IA-10	1Q19	460179077-1-10	4/5/2019	X	
On-Site	MW-44C_RPPS76.75	MW-44C	76.75	RPPS	X		2W	No	S3	IA-10	1Q19	460179077-1-11	4/5/2019		X
On-Site	MW-480A_PDB12.5	MW-480A	12.50	PDB	X		1W	Yes	S1	IA-10	1Q19	460179077-1-12	4/5/2019	X	
On-Site	MW-480A_RPPS12.5	MW-480A	12.50	RPPS	X		1W	Yes	S1	IA-10	1Q19	460179077-1-13	4/5/2019		X
On-Site	MW-501B_PDB32.5	MW-501B	32.50	PDB	X		1W	No	S2	IA-10	1Q19	460179077-1-14	4/5/2019	X	
On-Site	MW-501B_RPPS32.5	MW-501B	32.50	RPPS	X		1W	No	S2	IA-10	1Q19	460179077-1-15	4/5/2019		X
On-Site	MW-477A_PDB12.5	MW-477A	12.50	PDB	X		2W	Yes	S1	IA-10	1Q19	460179077-1-16	4/5/2019	X	

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Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-477A_RPPS12.5	MW-477A	12.50	RPPS	X		2W	Yes	S1	IA-10	1Q19	460179077-1-17	4/5/2019		X
On-Site	DW-13-D2_PDB241.8	DW-13-D2	241.80	PDB	X		5W	No	D2	IA-10	1Q19	460179077-1-18	4/5/2019	X	
On-Site	DW-13-D2_RPPS241.8	DW-13-D2	241.80	RPPS	X		5W	No	D2	IA-10	1Q19	460179077-1-19	4/5/2019		X
On-Site	DW-27C_PDB421.8	DW-27C	421.80	PDB	X		5W	No	D3	IA-10	1Q19	460179077-1-2	4/5/2019	X	
On-Site	DW-13B_PDB171.75	DW-13B	171.75	PDB	X		5W	No	D1	IA-10	1Q19	460179077-1-20	4/5/2019	X	
On-Site	DW-13B_RPPS171.75	DW-13B	171.75	RPPS	X		5W	No	D1	IA-10	1Q19	460179077-1-21	4/5/2019		X
On-Site	MW-347C_PDB71.8	MW-347C	71.80	PDB	X		3W	No	S3	IA-10	1Q19	460179077-1-22	4/5/2019	X	
On-Site	MW-347B_PDB46.8	MW-347B	46.80	PDB	X		3W	No	S2	IA-10	1Q19	460179077-1-23	4/5/2019	X	
Off-site	MW-214C_PDB66.75	MW-214C	66.75	PDB	X		3W	No	S3	N/A	1Q19	460179077-1-24	4/5/2019	X	
Off-site	MW-214C_RPPS66.75	MW-214C	66.75	RPPS	X		3W	No	S3	N/A	1Q19	460179077-1-25	4/5/2019		X
Off-site	MW-214A_PDB23.25	MW-214A	23.25	PDB	X		OVB	Yes	S1	N/A	1Q19	460179077-1-26	4/5/2019	X	
Off-site	MW-214A_RPPS23.25	MW-214A	23.25	RPPS	X		OVB	Yes	S1	N/A	1Q19	460179077-1-27	4/5/2019		X
Off-site	MW-214B_PDB41.75	MW-214B	41.75	PDB	X		2W	No	S2	N/A	1Q19	460179077-1-28	4/5/2019	X	
Off-site	MW-214B_RPPS41.75	MW-214B	41.75	RPPS	X		2W	No	S2	N/A	1Q19	460179077-1-29	4/5/2019		X
On-Site	DW-27C_RPPS421.8	DW-27C	421.80	RPPS	X		5W	No	D3	IA-10	1Q19	460179077-1-3	4/5/2019		X
Off-site	MW-209B_PDB36.75	MW-209B	36.75	PDB	X		4W	No	S2	N/A	1Q19	460179077-1-30	4/5/2019	X	
Off-site	MW-209B_RPPS36.75	MW-209B	36.75	RPPS	X		4W	No	S2	N/A	1Q19	460179077-1-31	4/5/2019		X
Off-site	MW-209C_PDB76.75	MW-209C	76.75	PDB	X		4W	No	S3	N/A	1Q19	460179077-1-32	4/5/2019	X	
Off-site	MW-209C_RPPS76.75	MW-209C	76.75	RPPS	X		4W	No	S3	N/A	1Q19	460179077-1-33	4/5/2019		X
Off-site	MW-209A_PDB14.75	MW-209A	14.75	PDB	X		OVB	Yes	S1	N/A	1Q19	460179077-1-34	4/5/2019	X	
Off-site	MW-209A_RPPS14.75	MW-209A	14.75	RPPS	X		OVB	Yes	S1	N/A	1Q19	460179077-1-35	4/5/2019		X
On-Site	MW-373C_PDB114.75	MW-373C	114.75	PDB	X		5E	No	S3	IA-07	1Q19	460179077-1-36	4/5/2019	X	
On-Site	MW-417C_PDB119.25	MW-417C	119.25	PDB	X		5E	No	S3	IA-07	1Q19	460179077-1-37	4/5/2019	X	
On-Site	DW-58A_PDB216.8	DW-58A	216.80	PDB	X		5E	No	D1	IA-07	1Q19	460179077-1-38	4/5/2019	X	
On-Site	DW-58A_RPPS216.8	DW-58A	216.80	RPPS	X		5E	No	D1	IA-07	1Q19	460179077-1-39	4/5/2019		X
On-Site	DW-27B_PDB291.75	DW-27B	291.75	PDB	X		5W	No	D2	IA-10	1Q19	460179077-1-4	4/5/2019	X	
On-Site	MW-374C_PDB98.8	MW-374C	98.80	PDB	X		5E	No	S3	IA-07	1Q19	460179077-1-40	4/5/2019	X	
On-Site	MW-172_PDB37.0	MW-172	37.00	PDB	X		4E	Yes	S1	IA-11	1Q19	460179077-1-41	4/5/2019	X	
On-Site	MW-172_RPPS37.0	MW-172	37.00	RPPS	X		4E	Yes	S1	IA-11	1Q19	460179077-1-42	4/5/2019		X
Off-site	DW-11D_PDB446.75	DW-11D	446.75	PDB	X		5E	No	D3	N/A	1Q19	460179077-1-43	4/5/2019	X	
Off-site	DW-11D_RPPS446.75	DW-11D	446.75	RPPS	X		5E	No	D3	N/A	1Q19	460179077-1-44	4/5/2019		X
Off-site	DW-11B_PDB96.75	DW-11B	96.75	PDB	X		5E	No	D1	N/A	1Q19	460179077-1-45	4/5/2019	X	
Off-site	DW-11B_RPPS96.75	DW-11B	96.75	RPPS	X		5E	No	D1	N/A	1Q19	460179077-1-46	4/5/2019		X
Off-site	MW-215C_PDB76.75	MW-215C	76.75	PDB	X		4E	No	S3	N/A	1Q19	460179077-1-47	4/5/2019	X	
Off-site	MW-215C_RPPS76.75	MW-215C	76.75	RPPS	X		4E	No	S3	N/A	1Q19	460179077-1-48	4/5/2019		X
On-Site	DW-6B_PDB111.75	DW-6B	111.75	PDB	X		5E	No	D1	IA-07	1Q19	460179077-1-49	4/5/2019	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-27B_RPPS291.75	DW-27B	291.75	RPPS	X		5W	No	D2	IA-10	1Q19	460179077-1-5	4/5/2019		X
On-Site	DW-6B_RPPS111.75	DW-6B	111.75	RPPS	X		5E	No	D1	IA-07	1Q19	460179077-1-50	4/5/2019		X
On-Site	DW-50C_PDB291.8	DW-50C	291.80	PDB	X		5E	No	D2	IA-07	1Q19	460179077-1-51	4/5/2019	X	
On-Site	DW-50C_RPPS291.8	DW-50C	291.80	RPPS	X		5E	No	D2	IA-07	1Q19	460179077-1-52	4/5/2019		X
On-Site	DW-50B_PDB186.8	DW-50B	186.80	PDB	X		5E	No	D1	IA-07	1Q19	460179077-1-53	4/5/2019	X	
On-Site	DW-50B_RPPS186.8	DW-50B	186.80	RPPS	X		5E	No	D1	IA-07	1Q19	460179077-1-54	4/5/2019		X
On-Site	DW-38A_PDB177.8	DW-38A	177.80	PDB	X		5E	No	D1	IA-07	1Q19	460179077-1-55	4/5/2019	X	
On-Site	DW-57A_PDB236.8	DW-57A	236.80	PDB	X		5E	No	D1	IA-07	1Q19	460179077-1-56	4/5/2019	X	
On-Site	DW-57A_RPPS236.8	DW-57A	236.80	RPPS	X		5E	No	D1	IA-07	1Q19	460179077-1-57	4/5/2019		X
On-Site	MW-378C_PDB98.8	MW-378C	98.80	PDB	X		4E	No	S3	IA-07	1Q19	460179077-1-58	4/5/2019	X	
On-Site	MW-377C_PDB109.8	MW-377C	109.80	PDB	X		4E	No	S3	IA-07	1Q19	460179077-1-59	4/5/2019	X	
On-Site	MW-44_PDB16.0	MW-44	16.00	PDB	X		1W	Yes	S1	IA-10	1Q19	460179077-1-6	4/5/2019	X	
On-Site	MW-377B_PDB86.8	MW-377B	86.80	PDB	X		4E	No	S2	IA-07	1Q19	460179077-1-60	4/5/2019	X	
On-Site	MW-44_RPPS16.0	MW-44	16.00	RPPS	X		1W	Yes	S1	IA-10	1Q19	460179077-1-7	4/5/2019		X
On-Site	MW-44B_PDB41.75	MW-44B	41.75	PDB	X		1W	No	S2	IA-10	1Q19	460179077-1-8	4/5/2019	X	
On-Site	MW-44B_RPPS41.75	MW-44B	41.75	RPPS	X		1W	No	S2	IA-10	1Q19	460179077-1-9	4/5/2019		X
On-Site	DW-9A_RPPS91.75	DW-9A	91.75	RPPS	X		3E	No	S3	IA-03	1Q19	460179435-1-10	4/9/2019		X
On-Site	DW-9B_PDB133.75	DW-9B	133.75	PDB	X		5E	No	D1	IA-03	1Q19	460179435-1-11	4/9/2019	X	
On-Site	DW-9B_RPPS133.75	DW-9B	133.75	RPPS	X		5E	No	D1	IA-03	1Q19	460179435-1-12	4/9/2019		X
On-Site	MW-32_PDB7.75	MW-32	7.75	PDB	X		OVb	Yes	S1	IA-10	1Q19	460179435-1-13	4/9/2019	X	
On-Site	MW-32_RPPS7.75	MW-32	7.75	RPPS	X		OVb	Yes	S1	IA-10	1Q19	460179435-1-14	4/9/2019		X
On-Site	MW-206C_PDB76.75	MW-206C	76.75	PDB	X		1W	No	S3	IA-10	1Q19	460179435-1-15	4/9/2019	X	
On-Site	MW-206C_RPPS76.75	MW-206C	76.75	RPPS	X		1W	No	S3	IA-10	1Q19	460179435-1-16	4/9/2019		X
On-Site	MW-206B_PDB46.75	MW-206B	46.75	PDB	X		1W	No	S2	IA-10	1Q19	460179435-1-17	4/9/2019	X	
On-Site	MW-206B_RPPS46.75	MW-206B	46.75	RPPS	X		1W	No	S2	IA-10	1Q19	460179435-1-18	4/9/2019		X
On-Site	DW-33B_PDB275.8	DW-33B	275.80	PDB	X		4W	No	D2	IA-10	1Q19	460179435-1-19	4/9/2019	X	
On-Site	DW-14C_PDB375.75	DW-14C	375.75	PDB	X		5W	No	D3	IA-10	1Q19	460179435-1-2	4/9/2019	X	
On-Site	DW-33B_RPPS275.8	DW-33B	275.80	RPPS	X		4W	No	D2	IA-10	1Q19	460179435-1-20	4/9/2019		X
On-Site	DW-33C_PDB416.8	DW-33C	416.80	PDB	X		5W	No	D3	IA-10	1Q19	460179435-1-21	4/9/2019	X	
On-Site	DW-33C_RPPS416.8	DW-33C	416.80	RPPS	X		5W	No	D3	IA-10	1Q19	460179435-1-22	4/9/2019		X
Off-site	DW-34B_PDB286.75	DW-34B	286.75	PDB	X		3W	No	D2	N/A	1Q19	460179435-1-23	4/9/2019	X	
Off-site	DW-34B_RPPS286.75	DW-34B	286.75	RPPS	X		3W	No	D2	N/A	1Q19	460179435-1-24	4/9/2019		X
Off-site	MW-103A_PDB11.6	MW-103A	11.60	PDB	X		OVb	Yes	S1	N/A	1Q19	460179435-1-25	4/9/2019	X	
Off-site	MW-103A_RPPS11.6	MW-103A	11.60	RPPS	X		OVb	Yes	S1	N/A	1Q19	460179435-1-26	4/9/2019		X
On-Site	DW-14C_RPPS375.75	DW-14C	375.75	RPPS	X		5W	No	D3	IA-10	1Q19	460179435-1-3	4/9/2019		X
On-Site	DW-14A_PDB176.75	DW-14A	176.75	PDB	X		4W	No	D1	IA-10	1Q19	460179435-1-4	4/9/2019	X	

**Table 1-1
Sample Summary Table
Semi-Annual Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	DW-14A_RPPS176.75	DW-14A	176.75	RPPS	X		4W	No	D1	IA-10	1Q19	460179435-1-5	4/9/2019		X
On-Site	DW-14B_PDB228.75	DW-14B	228.75	PDB	X		5W	No	D2	IA-10	1Q19	460179435-1-6	4/9/2019	X	
On-Site	DW-14B_RPPS228.75	DW-14B	228.75	RPPS	X		5W	No	D2	IA-10	1Q19	460179435-1-7	4/9/2019		X
On-Site	MW-237A_PDB27.5	MW-237A	27.50	PDB	X		2W	Yes	S1	IA-12	1Q19	460179435-1-8	4/9/2019	X	
On-Site	DW-9A_PDB91.75	DW-9A	91.75	PDB	X		3E	No	S3	IA-03	1Q19	460179435-1-9	4/9/2019	X	
On-Site	MW-347B_RPPS46.8	MW-347B	46.80	RPPS	X		3W	No	S2	IA-10	1Q19	460181156-1-10	5/2/2019		X
On-Site	MW-347C_RPPS71.8	MW-347C	71.80	RPPS	X		3W	No	S3	IA-10	1Q19	460181156-1-11	5/2/2019		X
On-Site	MW-377C_RPPS109.8	MW-377C	109.80	RPPS	X		4E	No	S3	IA-07	1Q19	460181156-1-2	5/2/2019		X
On-Site	MW-377B_RPPS86.8	MW-377B	86.80	RPPS	X		4E	No	S2	IA-07	1Q19	460181156-1-3	5/2/2019		X
On-Site	MW-378C_RPPS98.8	MW-378C	98.80	RPPS	X		4E	No	S3	IA-07	1Q19	460181156-1-4	5/2/2019		X
On-Site	MW-417C_RPPS119.25	MW-417C	119.25	RPPS	X		5E	No	S3	IA-07	1Q19	460181156-1-5	5/2/2019		X
On-Site	MW-373C_RPPS114.75	MW-373C	114.75	RPPS	X		5E	No	S3	IA-07	1Q19	460181156-1-6	5/2/2019		X
On-Site	MW-374C_RPPS98.8	MW-374C	98.80	RPPS	X		5E	No	S3	IA-07	1Q19	460181156-1-7	5/2/2019		X
On-Site	MW-237A_RPPS27.5	MW-237A	27.50	RPPS	X		2W	Yes	S1	IA-12	1Q19	460181156-1-8	5/2/2019		X
On-Site	DW-38A_RPPS177.8	DW-38A	177.80	RPPS	X		5E	No	D1	IA-07	1Q19	460181156-1-9	5/2/2019		X
On-Site	66RI-MW4_PDB6.5	66RI-MW4	6.50	PDB	X		OVB	Yes	S1	IA-10	1Q19	460181915-1-1	5/10/2019	X	
On-Site	DW-16C_PDB434.75	DW-16C	434.75	PDB	X		5W	No	D3	IA-10	1Q19	460181915-1-2	5/10/2019	X	
On-Site	MW-287AR_PDB10.7	MW-287AR	10.70	PDB	X		OVB	Yes	S1	IA-10	1Q19	460181915-1-3	5/10/2019	X	
On-Site	MW-286A_PDB11.6	MW-286A	11.60	PDB	X		OVB	Yes	S1	IA-10	1Q19	460181915-1-4	5/10/2019	X	

Notes:

VOCs = Volatile Organic Compounds

PDB = Passive Diffusion Bag

RPPS = Rigid Porous Polyethylene Sampler

3Q18 = Site-wide 3Q18 Sampling

1Q19 = Site-wide 1Q19 Sampling

N/A = Not Available

IA = Investigative Area

ft bgs = feet below ground surface

QA = refers to quality assurance duplicate samples

RPPS used to collect sample volume for 1,4-Dioxane analysis via 8260SIM

HGU = Hydrogeologic Unit

MP = Multipoint Groundwater Sampling

OVB = Overburden

**Table 1-1A
Sample Summary Table
Rejected Incorrect Analytical Method - 3Q 2018
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Semi-Annual Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
On-Site	MW-204C_RPPS61.75	MW-204C	61.75	RPPS	X		4E	No	S3	IA-07	3Q18	460168434-1-2	11/2/2018	X	
On-Site	MW-204C_PDB61.75	MW-204C	61.75	PDB	X		4E	No	S3	IA-07	3Q18	460168434-1-1	11/2/2019		X

Notes:

VOCs = Volatile Organic Compounds

PDB = Passive Diffusion Bag

RPPS = Rigid Porous Polyethylene Sampler

3Q18 = Site-wide 3Q18 Sampling

IA = Investigative Area

ft bgs = feet below ground surface

QA = refers to quality assurance duplicate samples

RPPS used to collect sample volume for 1,4-Dioxane analysis via 8260SIM

HGU = Hydrogeologic Unit

**Table 1-2
Sample Summary Table
Supplemental IRM Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Supplemental Investigative Program	Test America Lab ID	Date Collected	VOCs*	1,4-dioxane
On-Site	MW-318A_LF10.0	MW-318A	10.00	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 August 2018	460161962-1-6	8/2/2018	X	X
On-Site	BIOS-1B_LF65.0(B)	BIOS-1B	65.00	Low-Flow		X	2W	No	S2	IA-06	IA-6 September 2018	460164877-1-4	9/17/2018	X	
On-Site	EW-6B_LF39.5	EW-6B	39.50	Low-Flow	X		2W	No	S2	IA-06	IA-6 EISB PI	460180889-1-17	5/1/2019	X	X
On-Site	IW-199B_LF39.0	IW-199B	39.00	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460180889-1-14	5/1/2019	X	X
On-Site	MW-504B_LF38.5	MW-504B	38.50	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460180889-1-19	5/1/2019	X	X
On-Site	MW-508B_LF40.5	MW-508B	40.50	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460180889-1-12	5/1/2019	X	X
On-Site	MW-136_LF14.0	MW-136	14.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167834-1-3	10/22/2018	X	X
On-Site	MW-136B_LF45.0	MW-136B	45.00	Low-Flow	X		3W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167834-1-4	10/22/2018	X	X
On-Site	MW-2_LF21.0	MW-2	21.00	Low-Flow	X		2W	Yes	S1	IA-04	IA-1/IA-4 Q4 2018	460167834-1-7	10/22/2018	X	X
On-Site	MW-2B_LF52.5	MW-2B	52.50	Low-Flow	X		3W	No	S2	IA-04	IA-1/IA-4 Q4 2018	460167834-1-8	10/22/2018	X	X
On-Site	MW-2C_LF110.0	MW-2C	110.00	Low-Flow	X		4W	No	S3	IA-04	IA-1/IA-4 Q4 2018	460167834-1-9	10/22/2018	X	X
On-Site	MW-354A_LF27.5	MW-354A	27.50	Low-Flow	X		2W	Yes	S1	IA-04	IA-1/IA-4 Q4 2018	460167834-1-10	10/22/2018	X	X
On-Site	MW-357A_LF20.0	MW-357A	20.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167834-1-11	10/22/2018	X	X
On-Site	MW-357-S2_LF55.0	MW-357-S2	55.00	Low-Flow	X		3W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167834-1-12	10/22/2018	X	X
On-Site	MW-357-S3_LF80.0	MW-357-S3	80.00	Low-Flow	X		3W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167487-1-3	10/23/2018	X	X
On-Site	MW-370A_LF20.5	MW-370A	20.50	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167487-1-4	10/23/2018	X	X
On-Site	MW-371A_LF20.5	MW-371A	20.50	Low-Flow	X		2W	Yes	S1	IA-04	IA-1/IA-4 Q4 2018	460167487-1-5	10/23/2018	X	X
On-Site	MW-371B_LF40.0	MW-371B	40.00	Low-Flow	X		3W	No	S2	IA-04	IA-1/IA-4 Q4 2018	460167487-1-6	10/23/2018	X	X
On-Site	MW-371C_LF110.0	MW-371C	110.00	Low-Flow	X		4W	No	S3	IA-04	IA-1/IA-4 Q4 2018	460167487-1-7	10/23/2018	X	X
On-Site	MW-372A_LF17.5	MW-372A	17.50	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167487-1-8	10/23/2018	X	X
On-Site	MW-384A_LF6.5	MW-384A	6.50	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167487-1-9	10/23/2018	X	X
On-Site	MW-387A_LF20.0	MW-387A	20.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167487-1-10	10/23/2018	X	X
On-Site	MW-387B_LF55.0	MW-387B	55.00	Low-Flow	X		2W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167487-1-11	10/23/2018	X	X
On-Site	MW-387C_LF115.0	MW-387C	115.00	Low-Flow	X		4W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167487-1-12	10/23/2018	X	X
On-Site	MW-388A_LF20.0	MW-388A	20.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167487-1-13	10/23/2018	X	X
On-Site	MW-388B_LF60.0	MW-388B	60.00	Low-Flow	X		3W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167487-1-14	10/23/2018	X	X
On-Site	MW-392A_LF25.0	MW-392A	25.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167487-1-15	10/23/2018	X	X
On-Site	MW-392B_LF65.0	MW-392B	65.00	Low-Flow	X		3W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167487-1-16	10/23/2018	X	X
On-Site	MW-392C_LF115.0	MW-392C	115.00	Low-Flow	X		4W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167487-1-17	10/23/2018	X	X
On-Site	MW-393A_LF30.0	MW-393A	30.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167487-1-18	10/23/2018	X	X
On-Site	MW-390B_LF45.0	MW-390B	45.00	Low-Flow	X		2W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167601-1-6	10/24/2018	X	X
On-Site	MW-391A_LF21.0	MW-391A	21.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167601-1-3	10/24/2018	X	X
On-Site	MW-391C_LF115.0	MW-391C	115.00	Low-Flow	X		3W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167601-1-7	10/24/2018	X	X
On-Site	MW-391-S3_LF75.0	MW-391-S3	75.00	Low-Flow	X		3W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167601-1-8	10/24/2018	X	X
On-Site	MW-393B_LF45.0	MW-393B	45.00	Low-Flow	X		3W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167710-1-3	10/25/2018	X	X
On-Site	MW-393C_LF115.0	MW-393C	115.00	Low-Flow	X		4W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167710-1-4	10/25/2018	X	X
On-Site	MW-394B_LF65.0	MW-394B	65.00	Low-Flow	X		2W	No	S2	IA-01	IA-1/IA-4 Q4 2018	460167710-1-5	10/25/2018	X	X

**Table 1-2
Sample Summary Table
Supplemental IRM Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Supplemental Investigative Program	Test America Lab ID	Date Collected	VOCs*	1,4-dioxane
On-Site	MW-394C_LF98.0	MW-394C	98.00	Low-Flow	X		3W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167710-1-6	10/25/2018	X	X
On-Site	MW-426A_LF25.5	MW-426A	25.50	Low-Flow	X		2W	Yes	S1	IA-04	IA-1/IA-4 Q4 2018	460167710-1-10	10/25/2018	X	X
On-Site	MW-255B_LF25.1	MW-255B	25.10	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167797-1-4	10/26/2018	X	X
On-Site	MW-426B_LF55.0	MW-426B	55.00	Low-Flow	X		3W	No	S2	IA-04	IA-1/IA-4 Q4 2018	460167797-1-3	10/26/2018	X	X
On-Site	MW-136C_LF95.0(A)	MW-136C	95.00	Low-Flow	X		3W	No	S3	IA-01	IA-1/IA-4 Q4 2018	460167834-1-5	10/22/2018	X	X
On-Site	MW-390A_LF22.0(A)	MW-390A	22.00	Low-Flow	X		2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167601-1-4	10/24/2018	X	X
On-Site	MW-390A_LF22.0(B)	MW-390A	22.00	Low-Flow		X	2W	Yes	S1	IA-01	IA-1/IA-4 Q4 2018	460167601-1-5	10/24/2018	X	X
On-Site	MW-445A_LF18.0	MW-445A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-2	10/22/2018	X	
On-Site	MW-24_LF32.0	MW-24	32.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-8	10/23/2018	X	
On-Site	MW-24B_LF40.0	MW-24B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-11	10/23/2018	X	
On-Site	MW-359A_LF25.0	MW-359A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-4	10/23/2018	X	
On-Site	MW-359B_LF45.0(A)	MW-359B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-6	10/23/2018	X	
On-Site	MW-359B_LF45.0(B)	MW-359B	45.00	Low-Flow		X	2E	No	S2	IA-12	IA-12 October 2018	460167491-1-7	10/23/2018	X	
On-Site	MW-360A_LF25.0	MW-360A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-15	10/23/2018	X	
On-Site	MW-360B_LF45.0	MW-360B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-13	10/23/2018	X	
On-Site	MW-364A_LF20.0	MW-364A	20.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-5	10/23/2018	X	
On-Site	MW-364B_LF45.0	MW-364B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-12	10/23/2018	X	
On-Site	MW-444A_LF18.0	MW-444A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-14	10/23/2018	X	
On-Site	MW-445B_LF40.0	MW-445B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-10	10/23/2018	X	
On-Site	MW-80C_LF17.5	MW-80C	17.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-9	10/23/2018	X	
On-Site	MW-362A_LF25.0	MW-362A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-13	10/24/2018	X	
On-Site	MW-362B_LF35.0	MW-362B	35.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-16	10/24/2018	X	
On-Site	MW-364C_LF60.8	MW-364C	60.80	Low-Flow	X		2E	No	S3	IA-12	IA-12 October 2018	460167871-1-4	10/24/2018	X	
On-Site	MW-365A_LF25.0	MW-365A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-6	10/24/2018	X	
On-Site	MW-365B_LF45.0	MW-365B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-10	10/24/2018	X	
On-Site	MW-436A_LF25.0	MW-436A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-12	10/24/2018	X	
On-Site	MW-436B_LF45.0	MW-436B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-15	10/24/2018	X	
On-Site	MW-443A_LF18.5	MW-443A	18.50	Low-Flow	X		OVB	Yes	S1	IA-12	IA-12 October 2018	460167871-1-7	10/24/2018	X	
On-Site	MW-443B_LF40.0	MW-443B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-8	10/24/2018	X	
On-Site	MW-444B_LF40.0	MW-444B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-2	10/24/2018	X	
On-Site	MW-60G_LF17.5	MW-60G	17.50	Low-Flow	X		OVB	Yes	S1	IA-12	IA-12 October 2018	460167871-1-11	10/24/2018	X	
On-Site	MW-60G-S3_LF65.0	MW-60G-S3	65.00	Low-Flow	X		5W	No	S3	IA-12	IA-12 October 2018	460167871-1-14	10/24/2018	X	
On-Site	MW-60M_LF17.5	MW-60M	17.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-9	10/24/2018	X	
On-Site	MW-60R_LF14.5	MW-60R	14.50	Low-Flow	X		OVB	Yes	S1	IA-12	IA-12 October 2018	460167871-1-3	10/24/2018	X	
On-Site	MW-80-Z2R_LF40.0	MW-80-Z2R	40.00	Low-Flow	X		2W	No	S2	IA-12	IA-12 October 2018	460167871-1-5	10/24/2018	X	
On-Site	MW-225A_LF20.0	MW-225A	20.00	Low-Flow	X		2W	Yes	S1	IA-03	IA-12 October 2018	460167877-1-7	10/25/2018	X	
On-Site	MW-225B_LF35.0(A)	MW-225B	35.00	Low-Flow	X		2E	No	S2	IA-03	IA-12 October 2018	460167877-1-11	10/25/2018	X	

**Table 1-2
Sample Summary Table
Supplemental IRM Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Supplemental Investigative Program	Test America Lab ID	Date Collected	VOCs*	1,4-dioxane
On-Site	MW-225B_LF35.0(B)	MW-225B	35.00	Low-Flow		X	2E	No	S2	IA-03	IA-12 October 2018	460167877-1-12	10/25/2018	X	
On-Site	MW-225C_LF70.0	MW-225C	70.00	Low-Flow	X		5W	No	S3	IA-03	IA-12 October 2018	460167877-1-9	10/25/2018	X	
On-Site	MW-239_LF16.0	MW-239	16.00	Low-Flow	X		OVB	Yes	S1	IA-03	IA-12 October 2018	460167877-1-16	10/25/2018	X	
On-Site	MW-294A_LF18.0	MW-294A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-13	10/25/2018	X	
On-Site	MW-294C_LF80.0	MW-294C	80.00	Low-Flow	X		3E	No	S3	IA-12	IA-12 October 2018	460167877-1-4	10/25/2018	X	
On-Site	MW-295A_LF17.5	MW-295A	17.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-8	10/25/2018	X	
On-Site	MW-295B_LF40.0	MW-295B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167877-1-15	10/25/2018	X	
On-Site	MW-437A_LF25.0	MW-437A	25.00	Low-Flow	X		2W	Yes	S1	IA-12	IA-12 October 2018	460167877-1-3	10/25/2018	X	
On-Site	MW-437B_LF45.0	MW-437B	45.00	Low-Flow	X		2W	No	S2	IA-12	IA-12 October 2018	460167877-1-5	10/25/2018	X	
On-Site	MW-439A_LF20.0	MW-439A	20.00	Low-Flow	X		2W	Yes	S1	IA-03	IA-12 October 2018	460167877-1-17	10/25/2018	X	
On-Site	MW-439B_LF45.0	MW-439B	45.00	Low-Flow	X		5W	No	S2	IA-03	IA-12 October 2018	460167877-1-14	10/25/2018	X	
On-Site	MW-442A_LF18.0	MW-442A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-2	10/25/2018	X	
On-Site	MW-442B_LF40.0	MW-442B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167877-1-6	10/25/2018	X	
On-Site	MW-60F_LF18.5	MW-60F	18.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-10	10/25/2018	X	
On-Site	MW-239C_LF65.0	MW-239C	65.00	Low-Flow	X		5W	No	S3	IA-03	IA-12 October 2018	460167918-1-5	10/26/2018	X	
On-Site	MW-24C_LF40.0	MW-24C	40.00	Low-Flow	X		2E	No	S2	IA-03	IA-12 October 2018	460167918-1-2	10/26/2018	X	
On-Site	MW-438A_LF20.0	MW-438A	20.00	Low-Flow	X		2W	Yes	S1	IA-04	IA-12 October 2018	460167918-1-4	10/26/2018	X	
On-Site	MW-438B_LF45.0	MW-438B	45.00	Low-Flow	X		2W	No	S2	IA-04	IA-12 October 2018	460167918-1-6	10/26/2018	X	
On-Site	MW-440A_LF20.0	MW-440A	20.00	Low-Flow	X		2W	Yes	S1	IA-04	IA-12 October 2018	460167918-1-3	10/26/2018	X	
On-Site	MW-435A_LF20.0	MW-435A	20.00	Low-Flow	X		2W	Yes	S1	IA-12	IA-12 October 2018	460168224-1-3	10/30/2018	X	
On-Site	MW-435B_LF45.0	MW-435B	45.00	Low-Flow	X		2W	No	S2	IA-12	IA-12 October 2018	460168224-1-2	10/30/2018	X	
On-Site	BIOS-1B_LF65.0(A)	BIOS-1B	65.00	Low-Flow	X		2W	No	S2	IA-06	IA-6 September 2018	460164877-1-3	9/17/2018	X	
On-Site	MW-318A_LF10.0	MW-318A	10.00	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 September 2018	460164877-1-6	9/17/2018	X	
On-Site	MW-318B_LF50.0	MW-318B	50.00	Low-Flow	X		3W	No	S2	IA-06	IA-6 September 2018	460164877-1-7	9/17/2018	X	
On-Site	187RI-MW2_PDB8.7	187RI-MW2	8.70	PDB	X		2W	Yes	S1	IA-10	1Q MNA	460177546-1-37	3/18/2019	X	
On-Site	187RI-MW2_RPPS8.7	187RI-MW2	8.70	RPPS	X		2W	Yes	S1	IA-10	1Q MNA	460177546-1-38	3/18/2019		X
On-Site	187RI-MW3_PDB9.5	187RI-MW3	9.50	PDB	X		2W	Yes	S1	IA-10	1Q MNA	460177546-1-43	3/18/2019	X	
On-Site	ART-MW-5BR_PDB30.0	ART-MW-5BR	30.00	PDB	X		3W	Yes	S1	IA-02	1Q MNA	460177546-1-22	3/18/2019	X	
On-Site	ART-MW-6BR_PDB40.0	ART-MW-6BR	40.00	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-17	3/18/2019	X	
On-Site	DW-15A_RPPS178.0	DW-15A	178.00	RPPS	X		3W	No	D1	IA-10	1Q MNA	460177546-1-19	3/18/2019		X
On-Site	EW-4B_PDB40.0	EW-4B	40.00	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-20	3/18/2019	X	
On-Site	IW-190B_PDB40.0	IW-190B	40.00	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-18	3/18/2019	X	
On-Site	MW-136_RPPS14.0	MW-136	14.00	RPPS	X		2W	Yes	S1	IA-01	1Q MNA	460177546-1-13	3/18/2019		X
On-Site	MW-136B_RPPS45.0	MW-136B	45.00	RPPS	X		3W	No	S2	IA-01	1Q MNA	460177546-1-14	3/18/2019		X
On-Site	MW-136C_RPPS95.0	MW-136C	95.00	RPPS	X		3W	No	S3	IA-01	1Q MNA	460177546-1-15	3/18/2019		X
On-Site	MW-152R_PDB15.0	MW-152R	15.00	PDB	X		OVB	Yes	S1	IA-09	1Q MNA	460177546-1-36	3/18/2019	X	
On-Site	MW-170BR_PDB35.0	MW-170BR	35.00	PDB	X		4W	No	S2	IA-09	1Q MNA	460177546-1-41	3/18/2019	X	

**Table 1-2
Sample Summary Table
Supplemental IRM Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Supplemental Investigative Program	Test America Lab ID	Date Collected	VOCs*	1,4-dioxane
On-Site	MW-170R_PDB15.0	MW-170R	15.00	PDB	X		OVB	Yes	S1	IA-09	1Q MNA	460177546-1-42	3/18/2019	X	
On-Site	MW-186-2_PDB33.1	MW-186-2	33.10	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-21	3/18/2019	X	
On-Site	MW-2_RPPS20.5	MW-2	20.50	RPPS	X		2W	Yes	S1	IA-04	1Q MNA	460177546-1-10	3/18/2019		X
On-Site	MW-210_PDB10.0(A)	MW-210	10.00	PDB	X		2W	Yes	S1	IA-10	1Q MNA	460177546-1-31	3/18/2019	X	
On-Site	MW-210_PDB10.0(B)	MW-210	10.00	PDB		X	2W	Yes	S1	IA-10	1Q MNA	460177546-1-32	3/18/2019	X	
On-Site	MW-210_RPPS10.0(A)	MW-210	10.00	RPPS	X		2W	Yes	S1	IA-10	1Q MNA	460177546-1-33	3/18/2019		X
On-Site	MW-241B_PDB40.0	MW-241B	40.00	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-23	3/18/2019	X	
On-Site	MW-243B_PDB48.8	MW-243B	48.80	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-29	3/18/2019	X	
On-Site	MW-244B_PDB42.75	MW-244B	42.75	PDB	X		3W	No	S2	IA-06	1Q MNA	460177546-1-26	3/18/2019	X	
On-Site	MW-244B_RPPS42.75	MW-244B	42.75	RPPS	X		3W	No	S2	IA-06	1Q MNA	460177546-1-27	3/18/2019		X
On-Site	MW-252C_PDB70.0	MW-252C	70.00	PDB	X		4W	No	S3	IA-09	1Q MNA	460177546-1-35	3/18/2019	X	
On-Site	MW-2B_RPPS52.5	MW-2B	52.50	RPPS	X		3W	No	S2	IA-04	1Q MNA	460177546-1-11	3/18/2019		X
On-Site	MW-2C_RPPS110.0	MW-2C	110.00	RPPS	X		4W	No	S3	IA-04	1Q MNA	460177546-1-12	3/18/2019		X
On-Site	MW-308B_PDB40.5	MW-308B	40.50	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-30	3/18/2019	X	
On-Site	MW-314B_PDB42.3	MW-314B	42.30	PDB	X		3W	No	S2	IA-02	1Q MNA	460177546-1-28	3/18/2019	X	
On-Site	MW-320C_RPPS65.0	MW-320C	65.00	RPPS	X		4W	No	S3	IA-06	1Q MNA	460177546-1-46	3/18/2019		X
On-Site	MW-320C_PDB65.0	MW-320C	65.00	PDB	X		4W	No	S3	IA-06	1Q MNA	460177546-1-47	3/18/2019	X	
On-Site	MW-341A_PDB13.0	MW-341A	13.00	PDB	X		OVB	Yes	S1	IA-02	1Q MNA	460177546-1-16	3/18/2019	X	
On-Site	MW-357A_RPPS20.0	MW-357A	20.00	RPPS	X		2W	Yes	S1	IA-01	1Q MNA	460177546-1-7	3/18/2019		X
On-Site	MW-357-S2_RPPS55.0	MW-357-S2	55.00	RPPS	X		3W	No	S2	IA-01	1Q MNA	460177546-1-8	3/18/2019		X
On-Site	MW-357-S3_RPPS80.0	MW-357-S3	80.00	RPPS	X		3W	No	S3	IA-01	1Q MNA	460177546-1-9	3/18/2019		X
On-Site	MW-391A_RPPS21.0	MW-391A	21.00	RPPS	X		2W	Yes	S1	IA-01	1Q MNA	460177546-1-4	3/18/2019		X
On-Site	MW-391C_RPPS115.0	MW-391C	115.00	RPPS	X		3W	No	S3	IA-01	1Q MNA	460177546-1-6	3/18/2019		X
On-Site	MW-391-S3_RPPS75.0	MW-391-S3	75.00	RPPS	X		3W	No	S3	IA-01	1Q MNA	460177546-1-5	3/18/2019		X
On-Site	MW-394B_RPPS65.0	MW-394B	65.00	RPPS	X		2W	No	S2	IA-01	1Q MNA	460177546-1-2	3/18/2019		X
On-Site	MW-394C_RPPS98.0	MW-394C	98.00	RPPS	X		3W	No	S3	IA-01	1Q MNA	460177546-1-3	3/18/2019		X
On-Site	MW-467A_PDB15.0	MW-467A	15.00	PDB	X		OVB	Yes	S1	IA-09	1Q MNA	460177546-1-45	3/18/2019	X	
On-Site	MW-468A_PDB14.0	MW-468A	14.00	PDB	X		OVB	Yes	S1	IA-09	1Q MNA	460177546-1-44	3/18/2019	X	
On-Site	MW-469A_PDB15.0	MW-469A	15.00	PDB	X		OVB	Yes	S1	IA-09	1Q MNA	460177546-1-40	3/18/2019	X	
On-Site	MW-470A_PDB12.0	MW-470A	12.00	PDB	X		OVB	Yes	S1	IA-09	1Q MNA	460177546-1-39	3/18/2019	X	
On-Site	MW-94_PDB12.0	MW-94	12.00	PDB	X		OVB	Yes	S1	IA-06	1Q MNA	460177546-1-48	3/18/2019	X	
On-Site	IW-196A_LF12.0	IW-196A	12.00	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460181058-1-10	4/30/2019	X	
On-Site	IW-196A_LF7.0	IW-196A	7.00	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460181058-1-7	4/30/2019	X	
On-Site	IW-197A_LF25.0	IW-197A	25.00	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460181058-1-15	4/30/2019	X	
On-Site	IW-198A_LF25.5	IW-198A	25.50	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460181058-1-14	4/30/2019	X	
On-Site	MW-505A_LF10.5	MW-505A	10.50	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460181058-1-6	4/30/2019	X	X
On-Site	MW-506B_LF41.0	MW-506B	41.00	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460181058-1-9	4/30/2019	X	X

**Table 1-2
Sample Summary Table
Supplemental IRM Groundwater Sampling
Hoffmann-La Roche Inc. Site - Nutley, NJ**

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Supplemental Investigative Program	Test America Lab ID	Date Collected	VOCs*	1,4-dioxane
On-Site	MW-506B_LF36.0	MW-506B	36.00	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460181058-1-3	4/30/2019	X	X
On-Site	MW-507C_LF61.0(B)	MW-507C	61.00	Low-Flow		X	3W	No	S3	IA-06	IA-6 EISB PI	460181058-1-4	4/30/2019	X	X
On-Site	MW-507C_LF76.0	MW-507C	76.00	Low-Flow	X		3W	No	S3	IA-06	IA-6 EISB PI	460181058-1-16	4/30/2019	X	X
On-Site	EW-6B_LF29.5(A)	EW-6B	29.50	Low-Flow	X		2W	No	S2	IA-06	IA-6 EISB PI	460180889-1-4	5/1/2019	X	
On-Site	EW-6B_LF29.5(B)	EW-6B	29.50	Low-Flow		X	2W	No	S2	IA-06	IA-6 EISB PI	460180889-1-5	5/1/2019	X	
On-Site	IW-195A_LF22.7	IW-195A	22.70	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460180889-1-15	5/1/2019	X	
On-Site	IW-199B_LF29.0	IW-199B	29.00	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460180889-1-6	5/1/2019	X	
On-Site	IW-200A_LF25.0	IW-200A	25.00	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460180889-1-8	5/1/2019	X	
On-Site	MW-504B_LF33.5	MW-504B	33.50	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460180889-1-7	5/1/2019	X	
On-Site	MW-508A_LF9.7	MW-508A	9.70	Low-Flow	X		2W	Yes	S1	IA-06	IA-6 EISB PI	460180889-1-18	5/1/2019	X	X
On-Site	MW-508B_LF55.5	MW-508B	55.50	Low-Flow	X		3W	No	S2	IA-06	IA-6 EISB PI	460180889-1-23	5/1/2019	X	
On-Site	MW-31_PDB6.85	MW-31	6.85	PDB	X		OVB	Yes	S1	IA-10	2Q MNA	460183598-1-44	6/3/2019	X	

Notes:

IA-1/IA-4 Q4 2018 = TRC/Roche LF IA-1/IA-4 Q4 2018

IA-12 October 2018 = TRC/Roche LF IA-12 October 2018

IA-6 September 2018 = TRC/Roche LF IA-6 September 2018

IA-6 August 2018 = TRC/Roche LF IA-6 August 2018

IA-6 EISB PI = IA-6 EISB Post Injection April 2019

1Q MNA = 1st Quarter of Monitored Natural Attenuation

2Q MNA = 2nd Quarter of Monitored Natural Attenuation

OVB = Overburden

* = The wells part of the MNA sampling event were analyzed for select VOCs as outlined in the February 2019 Remedial Action Workplan.

Table 1-2A
Sample Summary Table
Rejected IRM Samples - Elevated Laboratory Method Detection Limits (MDLs) for 1,4-Dioxane
Hoffmann-La Roche Inc. Site - Nutley, NJ

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Supplemental Investigative Program	Test America Lab ID	Date Collected	1,4-dioxane
On-Site	MW-318B_LF50.0	MW-318B	50.00	Low-Flow	X		3W	No	S2	IA-06	IA-6 September 2018	460164877-1-7	9/17/2018	X
On-Site	MW-445A_LF18.0	MW-445A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-2	10/22/2018	X
On-Site	MW-24_LF32.0	MW-24	32.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-8	10/23/2018	X
On-Site	MW-24B_LF40.0	MW-24B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-11	10/23/2018	X
On-Site	MW-359A_LF25.0	MW-359A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-4	10/23/2018	X
On-Site	MW-359B_LF45.0(A)	MW-359B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-6	10/23/2018	X
On-Site	MW-360A_LF25.0	MW-360A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-15	10/23/2018	X
On-Site	MW-360B_LF45.0	MW-360B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-13	10/23/2018	X
On-Site	MW-364A_LF20.0	MW-364A	20.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-5	10/23/2018	X
On-Site	MW-364B_LF45.0	MW-364B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-12	10/23/2018	X
On-Site	MW-444A_LF18.0	MW-444A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-14	10/23/2018	X
On-Site	MW-445B_LF40.0	MW-445B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167491-1-10	10/23/2018	X
On-Site	MW-80C_LF17.5	MW-80C	17.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167491-1-9	10/23/2018	X
On-Site	MW-362A_LF25.0	MW-362A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-13	10/24/2018	X
On-Site	MW-362B_LF35.0	MW-362B	35.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-16	10/24/2018	X
On-Site	MW-364C_LF60.8	MW-364C	60.80	Low-Flow	X		2E	No	S3	IA-12	IA-12 October 2018	460167871-1-4	10/24/2018	X
On-Site	MW-365A_LF25.0	MW-365A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-6	10/24/2018	X
On-Site	MW-365B_LF45.0	MW-365B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-10	10/24/2018	X
On-Site	MW-436A_LF25.0	MW-436A	25.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-12	10/24/2018	X
On-Site	MW-436B_LF45.0	MW-436B	45.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-15	10/24/2018	X
On-Site	MW-443A_LF18.5	MW-443A	18.50	Low-Flow	X		OVB	Yes	S1	IA-12	IA-12 October 2018	460167871-1-7	10/24/2018	X
On-Site	MW-443B_LF40.0	MW-443B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-8	10/24/2018	X
On-Site	MW-444B_LF40.0	MW-444B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167871-1-2	10/24/2018	X
On-Site	MW-60G_LF17.5	MW-60G	17.50	Low-Flow	X		OVB	Yes	S1	IA-12	IA-12 October 2018	460167871-1-11	10/24/2018	X
On-Site	MW-60G-S3_LF65.0	MW-60G-S3	65.00	Low-Flow	X		5W	No	S3	IA-12	IA-12 October 2018	460167871-1-14	10/24/2018	X
On-Site	MW-60M_LF17.5	MW-60M	17.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167871-1-9	10/24/2018	X
On-Site	MW-60R_LF14.5	MW-60R	14.50	Low-Flow	X		OVB	Yes	S1	IA-12	IA-12 October 2018	460167871-1-3	10/24/2018	X
On-Site	MW-80-Z2R_LF40.0	MW-80-Z2R	40.00	Low-Flow	X		2W	No	S2	IA-12	IA-12 October 2018	460167871-1-5	10/24/2018	X
On-Site	MW-225A_LF20.0	MW-225A	20.00	Low-Flow	X		2W	Yes	S1	IA-03	IA-12 October 2018	460167877-1-7	10/25/2018	X
On-Site	MW-225B_LF35.0(A)	MW-225B	35.00	Low-Flow	X		2E	No	S2	IA-03	IA-12 October 2018	460167877-1-11	10/25/2018	X
On-Site	MW-225C_LF70.0	MW-225C	70.00	Low-Flow	X		5W	No	S3	IA-03	IA-12 October 2018	460167877-1-9	10/25/2018	X
On-Site	MW-239_LF16.0	MW-239	16.00	Low-Flow	X		OVB	Yes	S1	IA-03	IA-12 October 2018	460167877-1-16	10/25/2018	X
On-Site	MW-294A_LF18.0	MW-294A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-13	10/25/2018	X

Table 1-2A
Sample Summary Table
Rejected IRM Samples - Elevated Laboratory Method Detection Limits (MDLs) for 1,4-Dioxane
Hoffmann-La Roche Inc. Site - Nutley, NJ

On-Site / Off-Site	TRC Sample Identification	Well Identification	Collection Depth / Interval (ft bgs)	Sample Method	Environmental	QA	Hydrogeologic Unit (HGU)	Shallow (Yes / No)	Vertical Investigation Zone	IA Location	Supplemental Investigative Program	Test America Lab ID	Date Collected	1,4-dioxane
On-Site	MW-294C_LF80.0	MW-294C	80.00	Low-Flow	X		3E	No	S3	IA-12	IA-12 October 2018	460167877-1-4	10/25/2018	X
On-Site	MW-295A_LF17.5	MW-295A	17.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-8	10/25/2018	X
On-Site	MW-295B_LF40.0	MW-295B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167877-1-15	10/25/2018	X
On-Site	MW-437A_LF25.0	MW-437A	25.00	Low-Flow	X		2W	Yes	S1	IA-12	IA-12 October 2018	460167877-1-3	10/25/2018	X
On-Site	MW-437B_LF45.0	MW-437B	45.00	Low-Flow	X		2W	No	S2	IA-12	IA-12 October 2018	460167877-1-5	10/25/2018	X
On-Site	MW-439A_LF20.0	MW-439A	20.00	Low-Flow	X		2W	Yes	S1	IA-03	IA-12 October 2018	460167877-1-17	10/25/2018	X
On-Site	MW-439B_LF45.0	MW-439B	45.00	Low-Flow	X		5W	No	S2	IA-03	IA-12 October 2018	460167877-1-14	10/25/2018	X
On-Site	MW-442A_LF18.0	MW-442A	18.00	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-2	10/25/2018	X
On-Site	MW-442B_LF40.0	MW-442B	40.00	Low-Flow	X		2E	No	S2	IA-12	IA-12 October 2018	460167877-1-6	10/25/2018	X
On-Site	MW-60F_LF18.5	MW-60F	18.50	Low-Flow	X		2E	Yes	S1	IA-12	IA-12 October 2018	460167877-1-10	10/25/2018	X
On-Site	MW-239C_LF65.0	MW-239C	65.00	Low-Flow	X		5W	No	S3	IA-03	IA-12 October 2018	460167918-1-5	10/26/2018	X
On-Site	MW-24C_LF40.0	MW-24C	40.00	Low-Flow	X		2E	No	S2	IA-03	IA-12 October 2018	460167918-1-2	10/26/2018	X
On-Site	MW-438A_LF20.0	MW-438A	20.00	Low-Flow	X		2W	Yes	S1	IA-04	IA-12 October 2018	460167918-1-4	10/26/2018	X
On-Site	MW-438B_LF45.0	MW-438B	45.00	Low-Flow	X		2W	No	S2	IA-04	IA-12 October 2018	460167918-1-6	10/26/2018	X
On-Site	MW-440A_LF20.0	MW-440A	20.00	Low-Flow	X		2W	Yes	S1	IA-04	IA-12 October 2018	460167918-1-3	10/26/2018	X
On-Site	MW-435A_LF20.0	MW-435A	20.00	Low-Flow	X		2W	Yes	S1	IA-12	IA-12 October 2018	460168224-1-3	10/30/2018	X
On-Site	MW-435B_LF45.0	MW-435B	45.00	Low-Flow	X		2W	No	S2	IA-12	IA-12 October 2018	460168224-1-2	10/30/2018	X
On-Site	IW-196A_LF17.0	IW-196A	17.00	Low-Flow	X		2W	Yes	S1	IA-6	IA-6 EISB PI	460181058-1-13	4/30/2019	X
On-Site	IW-197A_LF25.0	IW-197A	25.00	Low-Flow	X		2W	Yes	S1	IA-6	IA-6 EISB PI	460181058-1-15	4/30/2019	X
On-Site	IW-198A_LF25.5	IW-198A	25.50	Low-Flow	X		2W	Yes	S1	IA-6	IA-6 EISB PI	460181058-1-14	4/30/2019	X
On-Site	IW-195A_LF17.7	IW-195A	17.70	Low-Flow	X		2W	Yes	S1	IA-6	IA-6 EISB PI	460180889-1-13	5/1/2019	X
On-Site	IW-200A_LF25.0	IW-200A	25.00	Low-Flow	X		2W	Yes	S1	IA-6	IA-6 EISB PI	460180889-1-8	5/1/2019	X

Notes:

IA-12 October 2018 = TRC/Roche LF IA-12 October 2018
IA-6 September 2018 = TRC/Roche LF IA-6 September 2018
IA-6 EISB PI = IA-6 EISB Post Injection April 2019

**Table 1-3
Sample Summary Table
Field and Trip Blank Samples
Hoffmann-La Roche Inc. Site - Nutley, NJ**

TRC Sample Identification	Investigative Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
TB110218-997670	3Q18	460168434-1-3	11/2/2018	X	X
TB092818-997667	3Q18	460165796-1-1	9/28/2018	X	
TB092718-997666	3Q18	460165788-1-104	9/27/2018	X	
TB092718-997665	3Q18	460165788-1-85	9/27/2018	X	
TB092718-997664	3Q18	460165788-1-64	9/27/2018	X	
TB092718-997663	3Q18	460165788-1-43	9/27/2018	X	
TB092718-997662	3Q18	460165788-1-22	9/27/2018	X	
TB092718-997661	3Q18	460165788-1-1	9/27/2018	X	
TB092618-949759	3Q18	460165764-1-106	9/26/2018	X	
TB092618-949758	3Q18	460165764-1-85	9/26/2018	X	
TB092618-949757	3Q18	460165764-1-64	9/26/2018	X	
TB092618-949756	3Q18	460165764-1-43	9/26/2018	X	
TB092618-949755	3Q18	460165764-1-22	9/26/2018	X	
TB092618-949754	3Q18	460165764-1-1	9/26/2018	X	
TB092518-949753	3Q18	460165622-1-125	9/25/2018	X	
TB092518-949752	3Q18	460165622-1-104	9/25/2018	X	
TB092518-949751	3Q18	460165622-1-83	9/25/2018	X	
TB092518-949720	3Q18	460165622-1-62	9/25/2018	X	
TB092518-949719	3Q18	460165622-1-41	9/25/2018	X	
TB092518-949718	3Q18	460165622-1-20	9/25/2018	X	
TB092518-949717	3Q18	460165622-1-1	9/25/2018	X	
TB092418-949716	3Q18	460165597-1-106	9/24/2018	X	
TB092418-949715	3Q18	460165597-1-85	9/24/2018	X	
TB092418-949714	3Q18	460165597-1-64	9/24/2018	X	
TB092418949713	3Q18	460165597-1-43	9/24/2018	X	
TB092418-949712	3Q18	460165597-1-22	9/24/2018	X	
TB092418-949711	3Q18	460165597-1-1	9/24/2018	X	
TB-091118	3Q18	460164638-1-24	9/11/2018	X	
TB-091018	3Q18	460164638-1-1	9/10/2018	X	
TB-090718	3Q18	460164206-1-29	9/7/2018	X	
TB-090618	3Q18	460164206-1-1	9/6/2018	X	
FB-90618	3Q18	460164206-1-28	9/6/2018	X	X
FB-091118	3Q18	460164638-1-45	9/11/2018	X	X
FB-091018	3Q18	460164638-1-23	9/10/2018	X	X
FB-090718	3Q18	460164206-1-53	9/7/2018	X	X
TBIA6080218-950629	IA-6 August 2018	460161962-1-1	8/2/2018	X	X
FBIA6080218	IA-6 August 2018	460161962-1-2	8/2/2018	X	X
TBIA6091718-950639	IA-6 September 2018	460164877-1-1	9/17/2018	X	
FBIA6091718	IA-6 September 2018	460164877-1-2	9/17/2018	X	
TBIA1/4102318-000402	IA-1/IA-4 Q4 2018	460167487-1-1	10/23/2018	X	X
FBIA1/4102318	IA-1/IA-4 Q4 2018	460167487-1-2	10/23/2018	X	X
TB-IA 12-102218	IA-12 October 2018	460167491-1-1	10/23/2018	X	
FB-IA12-102318	IA-12 October 2018	460167491-1-16	10/23/2018	X	
FB-IA 12-102218	IA-12 October 2018	460167491-1-3	10/22/2018	X	
TBIA/4102418-000403	IA-1/IA-4 Q4 2018	460167601-1-1	10/24/2018	X	X
FBIA1/4102418	IA-1/IA-4 Q4 2018	460167601-1-2	10/24/2018	X	X
TBIA1/4102518-000404	IA-1/IA-4 Q4 2018	460167710-1-1	10/25/2018	X	X
FBIA1/4102518	IA-1/IA-4 Q4 2018	460167710-1-2	10/25/2018	X	X
TBIA1/4102618-000405	IA-1/IA-4 Q4 2018	460167797-1-1	10/26/2018	X	X
FBIA1/4102618	IA-1/IA-4 Q4 2018	460167797-1-2	10/26/2018	X	X

**Table 1-3
Sample Summary Table
Field and Trip Blank Samples
Hoffmann-La Roche Inc. Site - Nutley, NJ**

TRC Sample Identification	Investigative Program	Test America Lab ID	Date Collected	VOCs	1,4-dioxane
TBIA1/4102218-000401	IA-1/IA-4 Q4 2018	460167834-1-1	10/22/2018	X	X
FBIA1/4102218	IA-1/IA-4 Q4 2018	460167834-1-2	10/22/2018	X	X
TB-IA12-102418	IA-12 October 2018	460167871-1-1	10/24/2018	X	
FB-IA12-102418	IA-12 October 2018	460167871-1-17	10/24/2018	X	
TB-IA12-102518	IA-12 October 2018	460167877-1-1	10/25/2018	X	
FB-IA12-102518	IA-12 October 2018	460167877-1-18	10/25/2018	X	
TB-IA12-102618	IA-12 October 2018	460167918-1-1	10/26/2018	X	
FB-IA12-102618	IA-12 October 2018	460167918-1-7	10/26/2018	X	
TB103018	IA-12 October 2018	460168224-1-1	10/30/2018	X	
FB-IA-12-103018	IA-12 October 2018	460168224-1-4	10/30/2018	X	
TB-032619	1Q19	460178243-1-1	3/26/2019	X	
TB-032719	1Q19	460178363-1-1	3/27/2019	X	
TB-MNA-032819	1Q19	460178412-1-1	3/28/2019	X	
TB-040119	1Q19	460178618-1-1	4/1/2019	X	
TB-040219	1Q19	460179019-1-1	4/2/2019	X	
TB-040519	1Q19	460179077-1-1	4/5/2019	X	
TB-040919	1Q19	460179435-1-1	4/9/2019	X	
TB-050219	1Q19	460181156-1-1	5/2/2019		X
TB051019	1Q19	460181915-1-5	5/10/2019	X	
TB-WMS-030519	1Q19	460176759-1-1	3/5/2019	X	
TB-WMS-030619	1Q19	460176759-1-24	3/6/2019	X	
FB-WMS-030519	1Q19	460176759-1-2	3/5/2019	X	X
EB-WMS-030519	1Q19	460176759-1-7	3/5/2019	X	X
FB-WMS-030619	1Q19	460176759-1-25	3/6/2019	X	X
EB-WMS-030619	1Q19	460176759-1-31	3/6/2019	X	X
TB-WMS-030719	1Q19	460176916-1-1	3/7/2019	X	X
FB-WMS-030719	1Q19	460176916-1-2	3/7/2019	X	X
EB-WMS-030719	1Q19	460176916-1-11	3/7/2019	X	X
TB-WMS-030819	1Q19	460176916-1-25	3/8/2019	X	X
FB-WMS-030819	1Q19	460176916-1-26	3/8/2019	X	X
EB-WMS-030819	1Q19	460176916-1-42	3/8/2019	X	X
TB-MNA-031819	1QMNA	460177546-1-1	3/18/2019	X	
TB-MNA-06032019	2QMNA	460183598-1-1	6/3/2019	X	
FB-MNA-06032019	2QMNA	460183598-1-2	6/3/2019	X	X
TB-IA6-050119	IA-6 EISB PI	460180889-1-1	5/1/2019	X	X
FB-IA6-050119	IA-6 EISB PI	460180889-1-2	5/1/2019	X	X
TB-IA6-043019	IA-6 EISB PI	460181058-1-1	4/30/2019	X	X
FB-IA6-043019	IA-6 EISB PI	460181058-1-2	4/30/2019	X	X

Notes

VOCs = Volatile Organic Compounds

3Q18 = Site-wide 3Q18 Sampling

1Q19 = Site-Wide 1Q19 Sampling

IA-6 EISB PI = IA-6 EISB Post Injection April 2019

1Q MNA = 1st Quarter of Monitored Natural Attenuation Sampling

2Q MNA = 2nd Quarter of Monitored Natural Attenuation Sampling