

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG No.: BF082324

Instrument ID: BNA_F Calibration Date/Time: 8/23/2024 1:10:13

Lab File ID: BF139137.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.856	0.803		-6.192	
Pyridine	1.417	1.461		3.105	
2-Fluorophenol	1.300	1.299		-0.077	
Benzaldehyde	0.985	1.007		2.234	
Aniline	1.516	1.578		4.09	
Phenol-d6	1.680	1.721		2.44	
Phenol	1.748	1.798		2.86	20.0
bis(2-Chloroethyl) ether	1.406	1.281		-8.89	
2-Chlorophenol	1.250	1.278		2.24	
1,2-Dichlorobenzene	1.374	1.427		3.857	
1,3-Dichlorobenzene	1.503	1.505		0.133	
1,4-Dichlorobenzene	1.503	1.516		0.865	20.0
Benzyl Alcohol	1.328	1.364		2.711	
2-Methylphenol	1.070	1.088		1.682	
2,2-oxybis(1-Chloropropane)	1.980	1.873		-5.404	
Acetophenone	0.511	0.529		3.523	
3+4-Methylphenols	1.386	1.429		3.102	
n-Nitroso-di-n-propylamine	1.103	1.057	0.050	-4.17	
Nitrobenzene-d5	0.343	0.450		31.195	
Hexachloroethane	0.527	0.539		2.277	
Nitrobenzene	0.382	0.464		21.466	
Isophorone	0.730	0.764		4.658	
2-Nitrophenol	0.110	0.178		61.818	20.0
2,4-Dimethylphenol	0.231	0.239		3.463	
bis(2-Chloroethoxy) methane	0.426	0.434		1.878	
2,4-Dichlorophenol	0.288	0.310		7.639	20.0
1,2,4-Trichlorobenzene	0.337	0.352		4.451	
Benzoic acid	0.167	0.246		47.305	
Naphthalene	1.014	1.068		5.325	
4-Chloroaniline	0.347	0.370		6.628	
Hexachlorobutadiene	0.220	0.232		5.455	20.0
Caprolactam	0.091	0.104		14.286	
4-Chloro-3-methylphenol	0.319	0.352		10.345	20.0
2-Methylnaphthalene	0.650	0.687		5.692	
Hexachlorocyclopentadiene	0.210	0.238	0.050	13.333	
2,4,6-Trichlorophenol	0.370	0.397		7.297	20.0
2-Fluorobiphenyl	1.261	1.278		1.348	
2,4,5-Trichlorophenol	0.379	0.419		10.554	
1,1-Biphenyl	1.370	1.441		5.182	

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Lab File ID: BF139137.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.113	1.134		1.887	
2-Nitroaniline	0.262	0.405		54.58	
Dimethylphthalate	1.235	1.319		6.802	
Acenaphthylene	1.595	1.666		4.451	
2,6-Dinitrotoluene	0.206	0.309		50.0	
3-Nitroaniline	0.213	0.306		43.662	
Acenaphthene	1.053	1.124		6.743	20.0
2,4-Dinitrophenol	0.074	0.147	0.050	98.649	
4-Nitrophenol	0.187	0.246	0.050	31.551	
Dibenzofuran	1.530	1.600		4.575	
2,4-Dinitrotoluene	0.250	0.415		66.0	
Diethylphthalate	1.223	1.311		7.195	
4-Chlorophenyl-phenylether	0.611	0.646		5.728	
Fluorene	1.223	1.287		5.233	
4-Nitroaniline	0.219	0.314		43.379	
4,6-Dinitro-2-methylphenol	0.064	0.114		78.125	
n-Nitrosodiphenylamine	0.592	0.594		0.338	20.0
Azobenzene	1.360	1.427		4.926	
2,4,6-Tribromophenol	0.181	0.217		19.89	
4-Bromophenyl-phenylether	0.212	0.220		3.774	
Hexachlorobenzene	0.227	0.239		5.286	
Atrazine	0.181	0.180		-0.552	
Pentachlorophenol	0.145	0.169		16.552	20.0
Phenanthrene	1.017	1.037		1.967	
Anthracene	0.994	1.022		2.817	
Carbazole	0.928	0.946		1.94	
Di-n-butylphthalate	1.076	1.109		3.067	
Fluoranthene	1.085	1.102		1.567	20.0
Benzidine	0.413	0.612		48.184	
Pyrene	1.669	2.021		21.09	
Terphenyl-d14	1.205	1.476		22.49	
Butylbenzylphthalate	0.577	0.723		25.303	
3,3-Dichlorobenzidine	0.367	0.406		10.627	
Benzo(a)anthracene	1.315	1.356		3.118	
Chrysene	1.192	1.252		5.034	
Bis(2-ethylhexyl)phthalate	0.765	0.888		16.078	
Di-n-octyl phthalate	1.074	1.126		4.842	20.0
Benzo(b)fluoranthene	1.304	1.313		0.69	
Benzo(k)fluoranthene	1.086	1.056		-2.762	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG No.: BF082324

Instrument ID: BNA_F Calibration Date/Time: 8/23/2024 1:10:13

Lab File ID: BF139137.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.030	1.057		2.621	20.0
Indeno(1,2,3-cd)pyrene	1.171	1.468		25.363	
Dibenzo(a,h)anthracene	0.961	1.204		25.286	
Benzo(g,h,i)perylene	0.969	1.241		28.07	
1,2,4,5-Tetrachlorobenzene	0.609	0.582		-4.433	
1,4-Dioxane	0.558	0.551		-1.254	20.0
2,3,4,6-Tetrachlorophenol	0.305	0.362		18.689	
1-Methylnaphthalene	0.627	0.676		7.815	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BL	SDG No.:	BF082324
Lab Sample ID:	PB162917BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139138.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BL	SDG No.:	BF082324
Lab Sample ID:	PB162917BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139138.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BL	SDG No.:	BF082324
Lab Sample ID:	PB162917BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139138.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.255		10-139		77	SPK: -150
13127-88-3	Phenol-d6	115.277		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	100.708		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	79.804		52-132		80	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BL	SDG No.:	BF082324
Lab Sample ID:	PB162917BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139138.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	144.528		44-137		96	SPK: -150
1718-51-0	Terphenyl-d14	81.426		48-125		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112654	6.898				
1146-65-2	Naphthalene-d8	434644	8.181				
15067-26-2	Acenaphthene-d10	258735	9.933				
1517-22-2	Phenanthrene-d10	485351	11.422				
1719-03-5	Chrysene-d12	360157	14.057				
1520-96-3	Perylene-d12	233927	15.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3	J			2.269	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6	A			5.14	
000630-01-3	Hexacosane	2.1	J			16.557	
000112-95-8	Eicosane	2.2	J			17.174	

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BS	SDG No.:	BF082324
Lab Sample ID:	PB162917BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139139.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.2		1	8	10	ug/L
110-86-1	Pyridine	32		1.6	4	5	ug/L
100-52-7	Benzaldehyde	19.5		4	8	10	ug/L
62-53-3	Aniline	27.8		1.6	4	5	ug/L
108-95-2	Phenol	43.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	46.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.9		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.7		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44.6		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.6		1.4	4	5	ug/L
98-86-2	Acetophenone	40.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	44.5		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	43		1	4	5	ug/L
98-95-3	Nitrobenzene	48.7		1.3	4	5	ug/L
78-59-1	Isophorone	44.6		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	56.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	47.6		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.3		1.1	4	5	ug/L
65-85-0	Benzoic acid	48.3		5.5	8	10	ug/L
91-20-3	Naphthalene	42.9		1	4	5	ug/L
106-47-8	4-Chloroaniline	22.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	41.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BS	SDG No.:	BF082324
Lab Sample ID:	PB162917BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139139.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	43.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.9		1	4	5	ug/L
92-52-4	1,1-Biphenyl	40.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	41.5		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	52.8		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.2		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.9		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	37.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	48.7		0.81	4	5	ug/L
Total PAH	Total PAH	763.2		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	104.7		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	54.8		1.5	4	5	ug/L
84-66-2	Diethylphthalate	45.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.6		0.98	4	5	ug/L
86-73-7	Fluorene	43.5		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	47.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	64.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.2		0.89	4	5	ug/L
103-33-3	Azobenzene	44.5		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.5		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	43.1		1.1	4	5	ug/L
1912-24-9	Atrazine	41.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BS	SDG No.:	BF082324
Lab Sample ID:	PB162917BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139139.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	87.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43.4		0.89	4	5	ug/L
120-12-7	Anthracene	44.1		1.1	4	5	ug/L
86-74-8	Carbazole	42.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	40.9		1.3	4	5	ug/L
92-87-5	Benzidine	9.5	J	4.1	8	10	ug/L
129-00-0	Pyrene	49.7		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	53.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36.8		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.5		0.94	4	5	ug/L
218-01-9	Chrysene	45.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	51.1		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	49.3		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	51.2		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	58.5		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	59		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	49.1		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.2		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	31.1		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	116.64		10-139		78	SPK: -150
13127-88-3	Phenol-d6	118.141		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	101.63		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	78.132		52-132		78	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162917BS	SDG No.:	BF082324
Lab Sample ID:	PB162917BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139139.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	143.026		44-137		95	SPK: -150
1718-51-0	Terphenyl-d14	101.627		48-125		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	119701	6.898				
1146-65-2	Naphthalene-d8	453077	8.181				
15067-26-2	Acenaphthene-d10	274027	9.939				
1517-22-2	Phenanthrene-d10	501979	11.427				
1719-03-5	Chrysene-d12	265971	14.068				
1520-96-3	Perylene-d12	224142	15.539				

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082324
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139140.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082324
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139140.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082324
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139140.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.727		10-139		84	SPK: -150
13127-88-3	Phenol-d6	128.161		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	114.66		49-133		115	SPK: -100
321-60-8	2-Fluorobiphenyl	91.05		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082324
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139140.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	157.837		44-137		105	SPK: -150
1718-51-0	Terphenyl-d14	94.618		48-125		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90991	6.898				
1146-65-2	Naphthalene-d8	336793	8.181				
15067-26-2	Acenaphthene-d10	198584	9.933				
1517-22-2	Phenanthrene-d10	371509	11.421				
1719-03-5	Chrysene-d12	260711	14.057				
1520-96-3	Perylene-d12	180636	15.539				

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162890TB	SDG No.:	BF082324
Lab Sample ID:	PB162890TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139141.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162890TB	SDG No.:	BF082324
Lab Sample ID:	PB162890TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139141.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162890TB	SDG No.:	BF082324
Lab Sample ID:	PB162890TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139141.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.869		10-139		84	SPK: -150
13127-88-3	Phenol-d6	129.111		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	113.148		49-133		113	SPK: -100
321-60-8	2-Fluorobiphenyl	91.712		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162890TB	SDG No.:	BF082324
Lab Sample ID:	PB162890TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139141.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	158.381		44-137		106	SPK: -150
1718-51-0	Terphenyl-d14	94.267		48-125		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85509	6.898				
1146-65-2	Naphthalene-d8	318468	8.181				
15067-26-2	Acenaphthene-d10	189272	9.933				
1517-22-2	Phenanthrene-d10	353792	11.422				
1719-03-5	Chrysene-d12	257950	14.057				
1520-96-3	Perylene-d12	178847	15.533				

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430	SDG No.:	BF082324
Lab Sample ID:	P3669-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139142.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430	SDG No.:	BF082324
Lab Sample ID:	P3669-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139142.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430	SDG No.:	BF082324
Lab Sample ID:	P3669-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139142.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	137.682		10-139		92	SPK: -150
13127-88-3	Phenol-d6	137.218		10-134		91	SPK: -150
4165-60-0	Nitrobenzene-d5	124.39		49-133		124	SPK: -100
321-60-8	2-Fluorobiphenyl	102.156		52-132		102	SPK: -100

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430	SDG No.:	BF082324
Lab Sample ID:	P3669-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139142.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	171.42		44-137		114	SPK: -150
1718-51-0	Terphenyl-d14	113.488		48-125		113	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86207	6.898				
1146-65-2	Naphthalene-d8	322970	8.181				
15067-26-2	Acenaphthene-d10	181312	9.933				
1517-22-2	Phenanthrene-d10	296950	11.422				
1719-03-5	Chrysene-d12	148166	14.057				
1520-96-3	Perylene-d12	172519	15.539				

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MS	SDG No.:	BF082324
Lab Sample ID:	P3669-05MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139143.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	430		10.3	80	100	ug/L
110-86-1	Pyridine	370		15.5	40	50	ug/L
100-52-7	Benzaldehyde	190		40	80	100	ug/L
62-53-3	Aniline	280		16	40	50	ug/L
108-95-2	Phenol	460		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	470		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	510		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	480		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	450		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	460		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	520		16	80	100	ug/L
95-48-7	2-Methylphenol	500		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	480		13.5	40	50	ug/L
98-86-2	Acetophenone	510		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	500		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	480		14.8	25	25	ug/L
67-72-1	Hexachloroethane	480		10.1	40	50	ug/L
98-95-3	Nitrobenzene	580		12.7	40	50	ug/L
78-59-1	Isophorone	540		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	640		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	640		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	520		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	540		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		11	40	50	ug/L
65-85-0	Benzoic acid	470		54.7	80	100	ug/L
91-20-3	Naphthalene	510		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	130		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MS	SDG No.:	BF082324
Lab Sample ID:	P3669-05MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139143.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	390		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	530		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	520		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1900	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	550		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	550		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	540		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	520		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	600		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	550		9.3	40	50	ug/L
208-96-8	Acenaphthylene	570		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	570		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	340		13.7	40	50	ug/L
83-32-9	Acenaphthene	600		8.1	40	50	ug/L
Total PAH	Total PAH	8590		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	950	E	20	80	100	ug/L
132-64-9	Dibenzofuran	530		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	150		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	580		15.2	40	50	ug/L
84-66-2	Diethylphthalate	520		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	520		9.8	40	50	ug/L
86-73-7	Fluorene	510		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	450		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	710		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	600		8.9	40	50	ug/L
103-33-3	Azobenzene	520		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	610		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	580		11.4	40	50	ug/L
1912-24-9	Atrazine	550		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MS	SDG No.:	BF082324
Lab Sample ID:	P3669-05MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139143.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	550		8.9	40	50	ug/L
120-12-7	Anthracene	570		10.7	40	50	ug/L
86-74-8	Carbazole	460		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		14.7	40	50	ug/L
206-44-0	Fluoranthene	420		12.9	40	50	ug/L
92-87-5	Benzidine	330		40.7	80	100	ug/L
129-00-0	Pyrene	490		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	510		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	490		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	540		9.4	40	50	ug/L
218-01-9	Chrysene	560		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	510		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	700		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	490		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	540		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	580		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	600		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	600		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	460		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	560		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	400		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	570		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	500		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	130.76		10-139		87	SPK: -150
13127-88-3	Phenol-d6	129.938		10-134		87	SPK: -150
4165-60-0	Nitrobenzene-d5	128.087		49-133		128	SPK: -100
321-60-8	2-Fluorobiphenyl	104.203		52-132		104	SPK: -100

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MS	SDG No.:	BF082324
Lab Sample ID:	P3669-05MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139143.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	163.756		44-137		109	SPK: -150
1718-51-0	Terphenyl-d14	102.315		48-125		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83522	6.898				
1146-65-2	Naphthalene-d8	300912	8.181				
15067-26-2	Acenaphthene-d10	168641	9.939				
1517-22-2	Phenanthrene-d10	254345	11.422				
1719-03-5	Chrysene-d12	138165	14.063				
1520-96-3	Perylene-d12	177253	15.539				

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MSD	SDG No.:	BF082324
Lab Sample ID:	P3669-05MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139144.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	430		10.3	80	100	ug/L
110-86-1	Pyridine	370		15.5	40	50	ug/L
100-52-7	Benzaldehyde	200		40	80	100	ug/L
62-53-3	Aniline	260		16	40	50	ug/L
108-95-2	Phenol	440		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	490		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	470		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	450		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	500		16	80	100	ug/L
95-48-7	2-Methylphenol	500		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	480		13.5	40	50	ug/L
98-86-2	Acetophenone	500		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	490		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	470		14.8	25	25	ug/L
67-72-1	Hexachloroethane	470		10.1	40	50	ug/L
98-95-3	Nitrobenzene	560		12.7	40	50	ug/L
78-59-1	Isophorone	520		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	630		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	620		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	510		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	520		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	470		11	40	50	ug/L
65-85-0	Benzoic acid	470		54.7	80	100	ug/L
91-20-3	Naphthalene	500		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	85.3		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	480		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MSD	SDG No.:	BF082324
Lab Sample ID:	P3669-05MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139144.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	370		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	520		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	510		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1900	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	540		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	530		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	510		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	590		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	540		9.3	40	50	ug/L
208-96-8	Acenaphthylene	550		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	560		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	330		13.7	40	50	ug/L
83-32-9	Acenaphthene	590		8.1	40	50	ug/L
Total PAH	Total PAH	8260		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	930	E	20	80	100	ug/L
132-64-9	Dibenzofuran	520		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	130		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	570		15.2	40	50	ug/L
84-66-2	Diethylphthalate	510		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	520		9.8	40	50	ug/L
86-73-7	Fluorene	500		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	450		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	680		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	560		8.9	40	50	ug/L
103-33-3	Azobenzene	510		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	570		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	550		11.4	40	50	ug/L
1912-24-9	Atrazine	540		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MSD	SDG No.:	BF082324
Lab Sample ID:	P3669-05MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139144.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	520		8.9	40	50	ug/L
120-12-7	Anthracene	540		10.7	40	50	ug/L
86-74-8	Carbazole	430		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	470		14.7	40	50	ug/L
206-44-0	Fluoranthene	400		12.9	40	50	ug/L
92-87-5	Benzidine	310		40.7	80	100	ug/L
129-00-0	Pyrene	490		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	500		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	470		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	530		9.4	40	50	ug/L
218-01-9	Chrysene	540		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	500		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	660		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	460		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	530		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	560		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	560		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	550		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	440		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	540		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	390		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	560		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	490		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.239		10-139		85	SPK: -150
13127-88-3	Phenol-d6	127.431		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	124.332		49-133		124	SPK: -100
321-60-8	2-Fluorobiphenyl	101.2		52-132		101	SPK: -100

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	20430MSD	SDG No.:	BF082324
Lab Sample ID:	P3669-05MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139144.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	161.418		44-137		108	SPK: -150
1718-51-0	Terphenyl-d14	102.732		48-125		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87523	6.898				
1146-65-2	Naphthalene-d8	318186	8.181				
15067-26-2	Acenaphthene-d10	180671	9.939				
1517-22-2	Phenanthrene-d10	283007	11.422				
1719-03-5	Chrysene-d12	149222	14.063				
1520-96-3	Perylene-d12	188099	15.539				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-1	SDG No.:	BF082324
Lab Sample ID:	P3685-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139145.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-1	SDG No.:	BF082324
Lab Sample ID:	P3685-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139145.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-1	SDG No.:	BF082324
Lab Sample ID:	P3685-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139145.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.807		10-139		83	SPK: -150
13127-88-3	Phenol-d6	111.788		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	130.642		49-133		131	SPK: -100
321-60-8	2-Fluorobiphenyl	102.404		52-132		102	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-1	SDG No.:	BF082324
Lab Sample ID:	P3685-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139145.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	169.483		44-137		113	SPK: -150
1718-51-0	Terphenyl-d14	117.074		48-125		117	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85731	6.898				
1146-65-2	Naphthalene-d8	319127	8.181				
15067-26-2	Acenaphthene-d10	185999	9.934				
1517-22-2	Phenanthrene-d10	305494	11.422				
1719-03-5	Chrysene-d12	161232	14.057				
1520-96-3	Perylene-d12	172575	15.533				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-2	SDG No.:	BF082324
Lab Sample ID:	P3685-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139146.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-2	SDG No.:	BF082324
Lab Sample ID:	P3685-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139146.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-2	SDG No.:	BF082324
Lab Sample ID:	P3685-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139146.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	131.484		10-139		88	SPK: -150
13127-88-3	Phenol-d6	120.383		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	133.878	*	49-133		134	SPK: -100
321-60-8	2-Fluorobiphenyl	107.61		52-132		108	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	Stock Pile-2	SDG No.:	BF082324
Lab Sample ID:	P3685-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139146.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	173.645		44-137		116	SPK: -150
1718-51-0	Terphenyl-d14	116.259		48-125		116	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81969	6.898				
1146-65-2	Naphthalene-d8	306862	8.181				
15067-26-2	Acenaphthene-d10	175208	9.934				
1517-22-2	Phenanthrene-d10	294030	11.416				
1719-03-5	Chrysene-d12	157458	14.057				
1520-96-3	Perylene-d12	167437	15.533				

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082324
Lab Sample ID:	P3689-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139147.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082324
Lab Sample ID:	P3689-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139147.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082324
Lab Sample ID:	P3689-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139147.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	112.584		10-139		75	SPK: -150
13127-88-3	Phenol-d6	106.456		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	110.943		49-133		111	SPK: -100
321-60-8	2-Fluorobiphenyl	87.921		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082324
Lab Sample ID:	P3689-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139147.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	152.18		44-137		101	SPK: -150
1718-51-0	Terphenyl-d14	103.242		48-125		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82243	6.898				
1146-65-2	Naphthalene-d8	303274	8.181				
15067-26-2	Acenaphthene-d10	173605	9.934				
1517-22-2	Phenanthrene-d10	287626	11.416				
1719-03-5	Chrysene-d12	159122	14.057				
1520-96-3	Perylene-d12	174096	15.533				

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BF082324
Lab Sample ID:	P3694-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139148.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BF082324
Lab Sample ID:	P3694-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139148.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BF082324
Lab Sample ID:	P3694-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139148.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	109.396		10-139		73	SPK: -150
13127-88-3	Phenol-d6	104.948		10-134		70	SPK: -150
4165-60-0	Nitrobenzene-d5	107.776		49-133		108	SPK: -100
321-60-8	2-Fluorobiphenyl	86.863		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BF082324
Lab Sample ID:	P3694-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139148.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	160.387		44-137		107	SPK: -150
1718-51-0	Terphenyl-d14	107.855		48-125		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83698	6.898				
1146-65-2	Naphthalene-d8	308070	8.181				
15067-26-2	Acenaphthene-d10	174522	9.933				
1517-22-2	Phenanthrene-d10	294619	11.416				
1719-03-5	Chrysene-d12	160467	14.057				
1520-96-3	Perylene-d12	171127	15.533				

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BF082324
Lab Sample ID:	P3704-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139149.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BF082324
Lab Sample ID:	P3704-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139149.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BF082324
Lab Sample ID:	P3704-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139149.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	111.102		10-139		74	SPK: -150
13127-88-3	Phenol-d6	105.365		10-134		70	SPK: -150
4165-60-0	Nitrobenzene-d5	108.644		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	87.217		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BF082324
Lab Sample ID:	P3704-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139149.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	151.283		44-137		101	SPK: -150
1718-51-0	Terphenyl-d14	99.246		48-125		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81055	6.898				
1146-65-2	Naphthalene-d8	299651	8.175				
15067-26-2	Acenaphthene-d10	169075	9.934				
1517-22-2	Phenanthrene-d10	271912	11.416				
1719-03-5	Chrysene-d12	151773	14.057				
1520-96-3	Perylene-d12	156512	15.533				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139150.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	310	380	ug/Kg
110-86-1	Pyridine	92.5	U	92.5	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	96	U	96	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.9	U	96.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	96.7	U	96.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98	U	98	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	99.6	U	99.6	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	96.1	U	96.1	310	380	ug/Kg
95-48-7	2-Methylphenol	93.3	U	93.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	92.4	U	92.4	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.7	U	46.7	92.6	92.6	ug/Kg
67-72-1	Hexachloroethane	96.1	U	96.1	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	98	U	98	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	99.4	U	99.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	87.4	U	87.4	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	98.9	U	98.9	150	200	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	380	ug/Kg
91-20-3	Naphthalene	95.6	U	95.6	150	200	ug/Kg
106-47-8	4-Chloroaniline	95.6	U	95.6	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.5	U	96.5	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139150.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.7	U	89.7	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	95.5	U	95.5	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.7	U	82.7	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.7	U	85.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	96.5	U	96.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	94.6	U	94.6	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.3	U	96.3	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	93.9	U	93.9	150	200	ug/Kg
Total PAH	Total PAH	1536.4	U	1536.4	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	97.7	U	97.7	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	96.1	U	196.1	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	150	200	ug/Kg
84-66-2	Diethylphthalate	92.8	U	92.8	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.1	U	99.1	150	200	ug/Kg
86-73-7	Fluorene	99	U	99	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.5	U	94.5	150	200	ug/Kg
103-33-3	Azobenzene	92.2	U	92.2	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	91.4	U	91.4	150	200	ug/Kg
118-74-1	Hexachlorobenzene	98.4	U	98.4	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139150.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	89.5	U	89.5	310	380	ug/Kg
85-01-8	Phenanthrene	97.3	U	97.3	150	200	ug/Kg
120-12-7	Anthracene	97.7	U	97.7	150	200	ug/Kg
86-74-8	Carbazole	93	U	93	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.6	U	97.6	150	200	ug/Kg
206-44-0	Fluoranthene	94.6	U	94.6	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	96.1	U	96.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	93.4	U	93.4	150	200	ug/Kg
218-01-9	Chrysene	92.1	U	92.1	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	93.9	U	93.9	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	95.6	U	95.6	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.4	U	90.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94	U	94	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.8	U	92.8	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	86.5	U	86.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	96.3	U	96.3	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.546		18-112		43	SPK: -150
13127-88-3	Phenol-d6	65.956		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	57.056		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	45.681		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139150.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	65.873		10-116		44	SPK: -150
1718-51-0	Terphenyl-d14	46.684		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85538	6.898				
1146-65-2	Naphthalene-d8	316764	8.175				
15067-26-2	Acenaphthene-d10	182657	9.933				
1517-22-2	Phenanthrene-d10	296118	11.416				
1719-03-5	Chrysene-d12	170138	14.057				
1520-96-3	Perylene-d12	187313	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J			2.193	
	unknown3.399	150	J			3.399	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			5.11	
000770-35-4	1-Phenoxypropan-2-ol	100	J			8.486	
002004-39-9	1-Heptacosanol	100	J			13.904	

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139151.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	310	U	310	970	1200	ug/Kg
110-86-1	Pyridine	290	U	290	470	610	ug/Kg
100-52-7	Benzaldehyde	660	U	660	970	1200	ug/Kg
62-53-3	Aniline	350	U	350	470	610	ug/Kg
108-95-2	Phenol	300	U	300	470	610	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	300	U	300	470	610	ug/Kg
95-57-8	2-Chlorophenol	300	U	300	470	610	ug/Kg
95-50-1	1,2-Dichlorobenzene	310	U	310	470	610	ug/Kg
541-73-1	1,3-Dichlorobenzene	310	U	310	470	610	ug/Kg
106-46-7	1,4-Dichlorobenzene	310	U	310	470	610	ug/Kg
100-51-6	Benzyl Alcohol	300	U	300	970	1200	ug/Kg
95-48-7	2-Methylphenol	290	U	290	470	610	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	330	470	610	ug/Kg
98-86-2	Acetophenone	310	U	310	470	610	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	290	970	1200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	290	290	ug/Kg
67-72-1	Hexachloroethane	300	U	300	470	610	ug/Kg
98-95-3	Nitrobenzene	330	U	330	470	610	ug/Kg
78-59-1	Isophorone	310	U	310	470	610	ug/Kg
88-75-5	2-Nitrophenol	340	U	340	470	610	ug/Kg
105-67-9	2,4-Dimethylphenol	340	U	340	470	610	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	310	U	310	470	610	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	270	470	610	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	310	U	310	470	610	ug/Kg
65-85-0	Benzoic acid	850	U	850	970	1200	ug/Kg
91-20-3	Naphthalene	300	U	300	470	610	ug/Kg
106-47-8	4-Chloroaniline	300	U	300	470	610	ug/Kg
87-68-3	Hexachlorobutadiene	300	U	300	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139151.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	310	U	310	970	1200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	280	U	280	470	610	ug/Kg
91-57-6	2-Methylnaphthalene	300	U	300	470	610	ug/Kg
77-47-4	Hexachlorocyclopentadiene	560	U	560	970	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	260	U	260	470	610	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	270	470	610	ug/Kg
92-52-4	1,1-Biphenyl	320	U	320	470	610	ug/Kg
91-58-7	2-Chloronaphthalene	300	U	300	470	610	ug/Kg
88-74-4	2-Nitroaniline	340	U	340	470	610	ug/Kg
131-11-3	Dimethylphthalate	290	U	290	470	610	ug/Kg
208-96-8	Acenaphthylene	310	U	310	470	610	ug/Kg
606-20-2	2,6-Dinitrotoluene	300	U	300	470	610	ug/Kg
99-09-2	3-Nitroaniline	320	U	320	470	610	ug/Kg
83-32-9	Acenaphthene	290	U	290	470	610	ug/Kg
Total PAH	Total PAH	4770	U	4770	470	9760	ug/Kg
51-28-5	2,4-Dinitrophenol	880	U	880	970	1200	ug/Kg
100-02-7	4-Nitrophenol	420	U	420	970	1200	ug/Kg
132-64-9	Dibenzofuran	300	U	300	470	610	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	610	U	610	470	1220	ug/Kg
121-14-2	2,4-Dinitrotoluene	310	U	310	470	610	ug/Kg
84-66-2	Diethylphthalate	290	U	290	470	610	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	310	U	310	470	610	ug/Kg
86-73-7	Fluorene	310	U	310	470	610	ug/Kg
100-01-6	4-Nitroaniline	390	U	390	470	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	420	U	420	970	1200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	290	470	610	ug/Kg
103-33-3	Azobenzene	290	U	290	470	610	ug/Kg
101-55-3	4-Bromophenyl-phenylether	280	U	280	470	610	ug/Kg
118-74-1	Hexachlorobenzene	310	U	310	470	610	ug/Kg
1912-24-9	Atrazine	330	U	330	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139151.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	280	U	280	970	1200	ug/Kg
85-01-8	Phenanthrene	300	U	300	470	610	ug/Kg
120-12-7	Anthracene	300	U	300	470	610	ug/Kg
86-74-8	Carbazole	290	U	290	470	610	ug/Kg
84-74-2	Di-n-butylphthalate	300	U	300	470	610	ug/Kg
206-44-0	Fluoranthene	290	U	290	470	610	ug/Kg
92-87-5	Benzidine	590	U	590	970	1200	ug/Kg
129-00-0	Pyrene	300	U	300	470	610	ug/Kg
85-68-7	Butylbenzylphthalate	350	U	350	470	610	ug/Kg
91-94-1	3,3-Dichlorobenzidine	360	U	360	970	1200	ug/Kg
56-55-3	Benzo(a)anthracene	290	U	290	470	610	ug/Kg
218-01-9	Chrysene	290	U	290	470	610	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	330	470	610	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	400	970	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	290	U	290	470	610	ug/Kg
207-08-9	Benzo(k)fluoranthene	300	U	300	470	610	ug/Kg
50-32-8	Benzo(a)pyrene	340	U	340	470	610	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280	U	280	470	610	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	290	470	610	ug/Kg
191-24-2	Benzo(g,h,i)perylene	370	J	290	470	610	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	310	470	610	ug/Kg
123-91-1	1,4-Dioxane	400	U	400	470	610	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	270	470	610	ug/Kg
90-12-0	1-Methylnaphthalene	300	U	300	610	610	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.043		18-112		55	SPK: -150
13127-88-3	Phenol-d6	87.344		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	81.677		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	52.281		20-109		52	SPK: -100



Client:				Date Collected:	8/20/2024 12:00:00 AM	
Project:				Date Received:	8/20/2024 12:00:00 AM	
Client Sample ID:	S-929-K1-SO-0-0.5-082024			SDG No.:	BF082324	
Lab Sample ID:	P3707-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	72.3	
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139151.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	82.216		10-116		55	SPK: -150
1718-51-0	Terphenyl-d14	35.233		10-105		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82547	6.898				
1146-65-2	Naphthalene-d8	309312	8.175				
15067-26-2	Acenaphthene-d10	173273	9.934				
1517-22-2	Phenanthrene-d10	267421	11.416				
1719-03-5	Chrysene-d12	165708	14.051				
1520-96-3	Perylene-d12	196434	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	9300	J			2.205	
004254-15-3	(S)-(+)-1,2-Propanediol	440	J			3.405	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	620	A			5.116	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	260	J			6.716	
000470-82-6	Eucalyptol	940	J			7.051	
000770-35-4	1-Phenoxypropan-2-ol	550	J			8.487	
	unknown10.028	240	J			10.028	
000057-10-3	n-Hexadecanoic acid	690	J			11.939	
074339-54-1	Trichloroacetic acid, hexadecyl es	790	J			13.904	
000295-48-7	Cyclopentadecane	1100	J			14.539	
000646-31-1	Tetracosane	670	J			15.192	
007390-81-0	Oxirane, hexadecyl-	310	J			15.786	
000630-01-3	Hexacosane	700	J			16.033	
000506-51-4	n-Tetracosanol-1	380	J			16.086	
002922-51-2	2-Heptadecanone	250	J			16.157	
000638-66-4	Octadecanal	410	J			16.851	
	unknown17.357	310	J			17.357	

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS	SDG No.:	BF082324
Lab Sample ID:	P3707-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139152.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	5500		310	970	1200	ug/Kg
110-86-1	Pyridine	5400		290	470	610	ug/Kg
100-52-7	Benzaldehyde	3900		660	970	1200	ug/Kg
62-53-3	Aniline	5500		350	470	610	ug/Kg
108-95-2	Phenol	5900		300	470	610	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5500		300	470	610	ug/Kg
95-57-8	2-Chlorophenol	6100		300	470	610	ug/Kg
95-50-1	1,2-Dichlorobenzene	5800		310	470	610	ug/Kg
541-73-1	1,3-Dichlorobenzene	5600		310	470	610	ug/Kg
106-46-7	1,4-Dichlorobenzene	5700		310	470	610	ug/Kg
100-51-6	Benzyl Alcohol	6000		300	970	1200	ug/Kg
95-48-7	2-Methylphenol	5900		290	470	610	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	5900		330	470	610	ug/Kg
98-86-2	Acetophenone	5800		310	470	610	ug/Kg
65794-96-9	3+4-Methylphenols	5800		290	970	1200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	5600		150	290	290	ug/Kg
67-72-1	Hexachloroethane	5900		300	470	610	ug/Kg
98-95-3	Nitrobenzene	6600		330	470	610	ug/Kg
78-59-1	Isophorone	6100		310	470	610	ug/Kg
88-75-5	2-Nitrophenol	7400		340	470	610	ug/Kg
105-67-9	2,4-Dimethylphenol	7100		340	470	610	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	5800		310	470	610	ug/Kg
120-83-2	2,4-Dichlorophenol	6100		270	470	610	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5600		310	470	610	ug/Kg
65-85-0	Benzoic acid	5700		860	970	1200	ug/Kg
91-20-3	Naphthalene	5800		300	470	610	ug/Kg
106-47-8	4-Chloroaniline	2000		300	470	610	ug/Kg
87-68-3	Hexachlorobutadiene	5800		300	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS	SDG No.:	BF082324
Lab Sample ID:	P3707-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139152.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	5600		310	970	1200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	5900		280	470	610	ug/Kg
91-57-6	2-Methylnaphthalene	5900		300	470	610	ug/Kg
77-47-4	Hexachlorocyclopentadiene	22600	E	560	970	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	6300		260	470	610	ug/Kg
95-95-4	2,4,5-Trichlorophenol	6200		270	470	610	ug/Kg
92-52-4	1,1-Biphenyl	6200		320	470	610	ug/Kg
91-58-7	2-Chloronaphthalene	6000		300	470	610	ug/Kg
88-74-4	2-Nitroaniline	6700		340	470	610	ug/Kg
131-11-3	Dimethylphthalate	6300		290	470	610	ug/Kg
208-96-8	Acenaphthylene	6400		310	470	610	ug/Kg
606-20-2	2,6-Dinitrotoluene	6600		300	470	610	ug/Kg
99-09-2	3-Nitroaniline	4100		320	470	610	ug/Kg
83-32-9	Acenaphthene	6800		290	470	610	ug/Kg
Total PAH	Total PAH	96100		4770	470	9760	ug/Kg
51-28-5	2,4-Dinitrophenol	12300	E	880	970	1200	ug/Kg
100-02-7	4-Nitrophenol	11700	E	420	970	1200	ug/Kg
132-64-9	Dibenzofuran	6100		300	470	610	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		610	470	1220	ug/Kg
121-14-2	2,4-Dinitrotoluene	6800		310	470	610	ug/Kg
84-66-2	Diethylphthalate	6000		290	470	610	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	5900		310	470	610	ug/Kg
86-73-7	Fluorene	5900		310	470	610	ug/Kg
100-01-6	4-Nitroaniline	5500		390	470	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	8200		420	970	1200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	6700		290	470	610	ug/Kg
103-33-3	Azobenzene	5900		290	470	610	ug/Kg
101-55-3	4-Bromophenyl-phenylether	6700		280	470	610	ug/Kg
118-74-1	Hexachlorobenzene	6500		310	470	610	ug/Kg
1912-24-9	Atrazine	6700		330	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS	SDG No.:	BF082324
Lab Sample ID:	P3707-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139152.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	11700	E	280	970	1200	ug/Kg
85-01-8	Phenanthrene	6200		300	470	610	ug/Kg
120-12-7	Anthracene	6400		300	470	610	ug/Kg
86-74-8	Carbazole	5100		290	470	610	ug/Kg
84-74-2	Di-n-butylphthalate	5700		300	470	610	ug/Kg
206-44-0	Fluoranthene	4900		290	470	610	ug/Kg
92-87-5	Benzidine	7700		590	970	1200	ug/Kg
129-00-0	Pyrene	5400		300	470	610	ug/Kg
85-68-7	Butylbenzylphthalate	5800		350	470	610	ug/Kg
91-94-1	3,3-Dichlorobenzidine	5100		360	970	1200	ug/Kg
56-55-3	Benzo(a)anthracene	6300		290	470	610	ug/Kg
218-01-9	Chrysene	6200		290	470	610	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	5900		330	470	610	ug/Kg
117-84-0	Di-n-octyl phthalate	7800		400	970	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	6000		290	470	610	ug/Kg
207-08-9	Benzo(k)fluoranthene	5700		300	470	610	ug/Kg
50-32-8	Benzo(a)pyrene	6600		340	470	610	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	6300		280	470	610	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	6300		290	470	610	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4900		290	470	610	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	6500		310	470	610	ug/Kg
123-91-1	1,4-Dioxane	5100		400	470	610	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	6400		270	470	610	ug/Kg
90-12-0	1-Methylnaphthalene	5700		300	610	610	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.535		18-112		54	SPK: -150
13127-88-3	Phenol-d6	83.868		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	78.735		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	49.026		20-109		49	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS	SDG No.:	BF082324
Lab Sample ID:	P3707-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139152.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.735		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	34.481		10-105		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82447	6.898				
1146-65-2	Naphthalene-d8	303051	8.181				
15067-26-2	Acenaphthene-d10	166707	9.933				
1517-22-2	Phenanthrene-d10	256038	11.422				
1719-03-5	Chrysene-d12	149562	14.057				
1520-96-3	Perylene-d12	181960	15.533				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD	SDG No.:	BF082324
Lab Sample ID:	P3707-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139153.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	5600		310	970	1200	ug/Kg
110-86-1	Pyridine	5500		290	470	610	ug/Kg
100-52-7	Benzaldehyde	4000		660	970	1200	ug/Kg
62-53-3	Aniline	5500		350	470	610	ug/Kg
108-95-2	Phenol	6100		300	470	610	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5500		300	470	610	ug/Kg
95-57-8	2-Chlorophenol	6100		300	470	610	ug/Kg
95-50-1	1,2-Dichlorobenzene	6000		300	470	610	ug/Kg
541-73-1	1,3-Dichlorobenzene	5700		310	470	610	ug/Kg
106-46-7	1,4-Dichlorobenzene	5800		310	470	610	ug/Kg
100-51-6	Benzyl Alcohol	6200		300	970	1200	ug/Kg
95-48-7	2-Methylphenol	6000		290	470	610	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	5900		330	470	610	ug/Kg
98-86-2	Acetophenone	6000		310	470	610	ug/Kg
65794-96-9	3+4-Methylphenols	6000		290	970	1200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	5800		150	290	290	ug/Kg
67-72-1	Hexachloroethane	5900		300	470	610	ug/Kg
98-95-3	Nitrobenzene	6700		330	470	610	ug/Kg
78-59-1	Isophorone	6200		300	470	610	ug/Kg
88-75-5	2-Nitrophenol	7600		340	470	610	ug/Kg
105-67-9	2,4-Dimethylphenol	7300		340	470	610	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	6000		310	470	610	ug/Kg
120-83-2	2,4-Dichlorophenol	6200		270	470	610	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5700		310	470	610	ug/Kg
65-85-0	Benzoic acid	6000		850	970	1200	ug/Kg
91-20-3	Naphthalene	6000		300	470	610	ug/Kg
106-47-8	4-Chloroaniline	2100		300	470	610	ug/Kg
87-68-3	Hexachlorobutadiene	5900		300	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD	SDG No.:	BF082324
Lab Sample ID:	P3707-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139153.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	5800		310	970	1200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	6200		280	470	610	ug/Kg
91-57-6	2-Methylnaphthalene	6100		300	470	610	ug/Kg
77-47-4	Hexachlorocyclopentadiene	23200	E	560	970	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	6500		260	470	610	ug/Kg
95-95-4	2,4,5-Trichlorophenol	6400		270	470	610	ug/Kg
92-52-4	1,1-Biphenyl	6500		310	470	610	ug/Kg
91-58-7	2-Chloronaphthalene	6200		300	470	610	ug/Kg
88-74-4	2-Nitroaniline	7000		340	470	610	ug/Kg
131-11-3	Dimethylphthalate	6600		290	470	610	ug/Kg
208-96-8	Acenaphthylene	6700		310	470	610	ug/Kg
606-20-2	2,6-Dinitrotoluene	6900		300	470	610	ug/Kg
99-09-2	3-Nitroaniline	4100		320	470	610	ug/Kg
83-32-9	Acenaphthene	7100		290	470	610	ug/Kg
Total PAH	Total PAH	98300		4760	470	9760	ug/Kg
51-28-5	2,4-Dinitrophenol	12900	E	880	970	1200	ug/Kg
100-02-7	4-Nitrophenol	12300	E	420	970	1200	ug/Kg
132-64-9	Dibenzofuran	6300		300	470	610	ug/Kg
121-14-2	2,4-Dinitrotoluene	7100		310	470	610	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4000		610	470	1220	ug/Kg
84-66-2	Diethylphthalate	6400		290	470	610	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	6200		310	470	610	ug/Kg
86-73-7	Fluorene	6100		310	470	610	ug/Kg
100-01-6	4-Nitroaniline	5700		390	470	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	8500		420	970	1200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	6900		290	470	610	ug/Kg
103-33-3	Azobenzene	6100		290	470	610	ug/Kg
101-55-3	4-Bromophenyl-phenylether	6900		280	470	610	ug/Kg
118-74-1	Hexachlorobenzene	6800		310	470	610	ug/Kg
1912-24-9	Atrazine	6800		330	470	610	ug/Kg



Client:				Date Collected:	8/20/2024 12:00:00 AM	
Project:				Date Received:	8/20/2024 12:00:00 AM	
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD			SDG No.:	BF082324	
Lab Sample ID:	P3707-03MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	72.3	
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139153.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	11800	E	280	970	1200	ug/Kg
85-01-8	Phenanthrene	6300		300	470	610	ug/Kg
120-12-7	Anthracene	6600		300	470	610	ug/Kg
86-74-8	Carbazole	5300		290	470	610	ug/Kg
84-74-2	Di-n-butylphthalate	6000		300	470	610	ug/Kg
206-44-0	Fluoranthene	5100		290	470	610	ug/Kg
92-87-5	Benzidine	8000		590	970	1200	ug/Kg
129-00-0	Pyrene	5500		300	470	610	ug/Kg
85-68-7	Butylbenzylphthalate	5900		350	470	610	ug/Kg
91-94-1	3,3-Dichlorobenzidine	5000		360	970	1200	ug/Kg
56-55-3	Benzo(a)anthracene	6400		290	470	610	ug/Kg
218-01-9	Chrysene	6300		290	470	610	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	6000		330	470	610	ug/Kg
117-84-0	Di-n-octyl phthalate	7900		400	970	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	6100		290	470	610	ug/Kg
207-08-9	Benzo(k)fluoranthene	5800		300	470	610	ug/Kg
50-32-8	Benzo(a)pyrene	6700		330	470	610	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	6400		280	470	610	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	6300		290	470	610	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4900		290	470	610	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	6700		310	470	610	ug/Kg
123-91-1	1,4-Dioxane	5300		400	470	610	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	6700		270	470	610	ug/Kg
90-12-0	1-Methylnaphthalene	5800		300	610	610	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.635		18-112		54	SPK: -150
13127-88-3	Phenol-d6	86.362		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	81.688		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	50.576		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD	SDG No.:	BF082324
Lab Sample ID:	P3707-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139153.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.178		10-116		56	SPK: -150
1718-51-0	Terphenyl-d14	35.331		10-105		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82339	6.898				
1146-65-2	Naphthalene-d8	302699	8.181				
15067-26-2	Acenaphthene-d10	166761	9.933				
1517-22-2	Phenanthrene-d10	260194	11.422				
1719-03-5	Chrysene-d12	153223	14.057				
1520-96-3	Perylene-d12	183067	15.533				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139154.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	210	U	210	650	800	ug/Kg
110-86-1	Pyridine	190	U	190	310	410	ug/Kg
100-52-7	Benzaldehyde	440	U	440	650	800	ug/Kg
62-53-3	Aniline	230	U	230	310	410	ug/Kg
108-95-2	Phenol	200	U	200	310	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	200	310	410	ug/Kg
95-57-8	2-Chlorophenol	200	U	200	310	410	ug/Kg
95-50-1	1,2-Dichlorobenzene	200	U	200	310	410	ug/Kg
541-73-1	1,3-Dichlorobenzene	210	U	210	310	410	ug/Kg
106-46-7	1,4-Dichlorobenzene	210	U	210	310	410	ug/Kg
100-51-6	Benzyl Alcohol	200	U	200	650	800	ug/Kg
95-48-7	2-Methylphenol	190	U	190	310	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	U	220	310	410	ug/Kg
98-86-2	Acetophenone	210	U	210	310	410	ug/Kg
65794-96-9	3+4-Methylphenols	190	U	190	650	800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	97.4	U	97.4	190	190	ug/Kg
67-72-1	Hexachloroethane	200	U	200	310	410	ug/Kg
98-95-3	Nitrobenzene	220	U	220	310	410	ug/Kg
78-59-1	Isophorone	200	U	200	310	410	ug/Kg
88-75-5	2-Nitrophenol	230	U	230	310	410	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	230	310	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	210	310	410	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	180	310	410	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	210	U	210	310	410	ug/Kg
65-85-0	Benzoic acid	570	U	570	650	800	ug/Kg
91-20-3	Naphthalene	200	U	200	310	410	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	310	410	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	200	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139154.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	210	U	210	650	800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	190	310	410	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	200	310	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	U	380	650	800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	170	310	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	180	310	410	ug/Kg
92-52-4	1,1-Biphenyl	210	U	210	310	410	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	200	310	410	ug/Kg
88-74-4	2-Nitroaniline	230	U	230	310	410	ug/Kg
131-11-3	Dimethylphthalate	200	U	200	310	410	ug/Kg
208-96-8	Acenaphthylene	210	U	210	310	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	200	310	410	ug/Kg
99-09-2	3-Nitroaniline	220	U	220	310	410	ug/Kg
83-32-9	Acenaphthene	200	U	200	310	410	ug/Kg
Total PAH	Total PAH	3210	U	3210	310	6560	ug/Kg
51-28-5	2,4-Dinitrophenol	590	U	590	650	800	ug/Kg
100-02-7	4-Nitrophenol	280	U	280	650	800	ug/Kg
132-64-9	Dibenzofuran	200	U	200	310	410	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	410	U	410	310	820	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	210	310	410	ug/Kg
84-66-2	Diethylphthalate	190	U	190	310	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	210	310	410	ug/Kg
86-73-7	Fluorene	210	U	210	310	410	ug/Kg
100-01-6	4-Nitroaniline	260	U	260	310	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	650	800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	200	310	410	ug/Kg
103-33-3	Azobenzene	190	U	190	310	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	190	310	410	ug/Kg
118-74-1	Hexachlorobenzene	210	U	210	310	410	ug/Kg
1912-24-9	Atrazine	220	U	220	310	410	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139154.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	190	U	190	650	800	ug/Kg
85-01-8	Phenanthrene	200	U	200	310	410	ug/Kg
120-12-7	Anthracene	200	U	200	310	410	ug/Kg
86-74-8	Carbazole	190	U	190	310	410	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	200	310	410	ug/Kg
206-44-0	Fluoranthene	200	U	200	310	410	ug/Kg
92-87-5	Benzidine	390	U	390	650	800	ug/Kg
129-00-0	Pyrene	200	U	200	310	410	ug/Kg
85-68-7	Butylbenzylphthalate	230	U	230	310	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	240	U	240	650	800	ug/Kg
56-55-3	Benzo(a)anthracene	200	U	200	310	410	ug/Kg
218-01-9	Chrysene	190	U	190	310	410	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220	U	220	310	410	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	270	650	800	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	U	200	310	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	U	200	310	410	ug/Kg
50-32-8	Benzo(a)pyrene	220	U	220	310	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	190	310	410	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	200	310	410	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	190	310	410	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	210	310	410	ug/Kg
123-91-1	1,4-Dioxane	270	U	270	310	410	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	180	310	410	ug/Kg
90-12-0	1-Methylnaphthalene	200	U	200	410	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.021		18-112		47	SPK: -150
13127-88-3	Phenol-d6	72.848		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	69.839		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	39.284		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	58.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139154.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	64.071		10-116		43	SPK: -150
1718-51-0	Terphenyl-d14	25.922		10-105		26	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76047	6.898				
1146-65-2	Naphthalene-d8	281112	8.175				
15067-26-2	Acenaphthene-d10	155587	9.934				
1517-22-2	Phenanthrene-d10	237965	11.416				
1719-03-5	Chrysene-d12	144760	14.051				
1520-96-3	Perylene-d12	169005	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	5400	J			2.193	
004254-15-3	(S)-(+)-1,2-Propanediol	400	J			3.399	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	A			5.104	
000470-82-6	Eucalyptol	680	J			7.051	
000770-35-4	1-Phenoxypropan-2-ol	280	J			8.487	
1000151-46-0	Calarene epoxide	180	J			11.851	
000057-10-3	n-Hexadecanoic acid	660	J			11.939	
000057-11-4	Octadecanoic acid	240	J			12.727	
015594-90-8	1-Heneicosanol	550	J			13.904	
1000406-04-8	Pentadecafluorooctanoic acid, octa	620	J			14.539	
001560-98-1	Octacosane, 2-methyl-	270	J			15.192	
007225-64-1	Heptadecane, 9-octyl-	230	J			16.033	
000506-51-4	n-Tetracosanol-1	260	J			16.08	
000638-66-4	Octadecanal	190	J			16.851	

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139155.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95.8	U	95.8	300	360	ug/Kg
110-86-1	Pyridine	88.1	U	88.1	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.4	U	91.4	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.3	U	92.3	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.1	U	92.1	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.3	U	93.3	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.9	U	94.9	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.4	U	95.4	140	190	ug/Kg
100-51-6	Benzyl Alcohol	91.6	U	91.6	300	360	ug/Kg
95-48-7	2-Methylphenol	88.9	U	88.9	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	95.9	U	95.9	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88	U	88	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.5	U	44.5	88.3	88.3	ug/Kg
67-72-1	Hexachloroethane	91.6	U	91.6	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	93.3	U	93.3	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	94.6	U	94.6	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.3	U	83.3	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.2	U	94.2	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	91.1	U	91.1	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.1	U	91.1	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.9	U	91.9	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139155.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95.8	U	95.8	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.5	U	85.5	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91	U	91	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.8	U	78.8	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.6	U	81.6	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.4	U	96.4	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.9	U	91.9	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.1	U	90.1	140	190	ug/Kg
208-96-8	Acenaphthylene	95.4	U	95.4	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.8	U	91.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.4	U	98.4	140	190	ug/Kg
83-32-9	Acenaphthene	89.5	U	89.5	140	190	ug/Kg
Total PAH	Total PAH	1459.3	U	1459.3	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	93.1	U	93.1	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	186.9	U	186.9	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.1	U	95.1	140	190	ug/Kg
84-66-2	Diethylphthalate	88.4	U	88.4	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.4	U	94.4	140	190	ug/Kg
86-73-7	Fluorene	94.3	U	94.3	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90	U	90	140	190	ug/Kg
103-33-3	Azobenzene	87.8	U	87.8	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87	U	87	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93.8	U	93.8	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139155.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.3	U	85.3	300	360	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	140	190	ug/Kg
120-12-7	Anthracene	93.1	U	93.1	140	190	ug/Kg
86-74-8	Carbazole	88.6	U	88.6	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93	U	93	140	190	ug/Kg
206-44-0	Fluoranthene	90.1	U	90.1	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	91.6	U	91.6	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	89	U	89	140	190	ug/Kg
218-01-9	Chrysene	87.7	U	87.7	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.5	U	89.5	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.1	U	91.1	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.2	U	86.2	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.6	U	89.6	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	88.4	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.8	U	95.8	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.4	U	82.4	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91.8	U	91.8	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.006		18-112		55	SPK: -150
13127-88-3	Phenol-d6	84.373		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	75.758		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	62.846		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139155.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	85.736		10-116		57	SPK: -150
1718-51-0	Terphenyl-d14	47.194		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86296	6.898				
1146-65-2	Naphthalene-d8	313872	8.181				
15067-26-2	Acenaphthene-d10	166811	9.933				
1517-22-2	Phenanthrene-d10	237415	11.416				
1719-03-5	Chrysene-d12	166148	14.051				
1520-96-3	Perylene-d12	186913	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2300	J			2.199	
004254-15-3	(S)-(+)-1,2-Propanediol	190	J			3.404	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.116	
000770-35-4	1-Phenoxypropan-2-ol	130	J			8.486	
000057-10-3	n-Hexadecanoic acid	510	J			11.945	
000057-11-4	Octadecanoic acid	190	J			12.727	
074339-54-1	Trichloroacetic acid, hexadecyl es	320	J			13.904	
1000406-04-8	Pentadecafluorooctanoic acid, octa	400	J			14.539	
1000383-11-5	Carbonic acid, octadecyl prop-1-en	100	J			14.851	
000638-66-4	Octadecanal	97.8	J			14.992	
000593-45-3	Octadecane	670	J			15.192	
002400-66-0	Eicosanal-	190	J			15.786	
001560-98-1	Octacosane, 2-methyl-	450	J			16.033	
000295-48-7	Cyclopentadecane	320	J			16.08	
007390-81-0	Oxirane, hexadecyl-	200	J			16.851	
000630-04-6	Hentriacontane	130	J			17.162	
1000314-56-3	Carbonic acid, octadecyl 2,2,2-tri	160	J			17.251	
017429-04-8	2-Pentanone, 5-methoxy-	120	J			17.351	
000083-47-6	,gamma.-Sitosterol	280	J			17.639	

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-913-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139155.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
004630-07-3	Naphthalene, 1,2,3,5,6,7,8,8a-octa	100	J			17.974	

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139156.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	310	380	ug/Kg
110-86-1	Pyridine	92.5	U	92.5	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	96	U	96	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.9	U	96.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	96.7	U	96.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.9	U	97.9	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	99.6	U	99.6	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	96.1	U	96.1	310	380	ug/Kg
95-48-7	2-Methylphenol	93.3	U	93.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	92.4	U	92.4	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.7	U	46.7	92.6	92.6	ug/Kg
67-72-1	Hexachloroethane	96.1	U	96.1	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	97.9	U	97.9	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	99.3	U	99.3	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	87.4	U	87.4	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	98.9	U	98.9	150	200	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	380	ug/Kg
91-20-3	Naphthalene	95.6	U	95.6	150	200	ug/Kg
106-47-8	4-Chloroaniline	95.6	U	95.6	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.4	U	96.4	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139156.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.7	U	89.7	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	95.5	U	95.5	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.7	U	82.7	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.7	U	85.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	96.4	U	96.4	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	94.6	U	94.6	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.3	U	96.3	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	93.9	U	93.9	150	200	ug/Kg
Total PAH	Total PAH	1536.1	U	1536.1	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	97.7	U	97.7	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	96.1	U	196.1	150	400	ug/Kg
84-66-2	Diethylphthalate	92.7	U	92.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.1	U	99.1	150	200	ug/Kg
86-73-7	Fluorene	99	U	99	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.5	U	94.5	150	200	ug/Kg
103-33-3	Azobenzene	92.1	U	92.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	91.3	U	91.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	98.4	U	98.4	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139156.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	89.5	U	89.5	310	380	ug/Kg
85-01-8	Phenanthrene	97.2	U	97.2	150	200	ug/Kg
120-12-7	Anthracene	97.7	U	97.7	150	200	ug/Kg
86-74-8	Carbazole	93	U	93	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.6	U	97.6	150	200	ug/Kg
206-44-0	Fluoranthene	170	J	94.6	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	120	J	96.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	110	J	93.4	150	200	ug/Kg
218-01-9	Chrysene	94.3	J	92	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	93.9	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	95.6	U	95.6	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.4	U	90.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94	U	94	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	J	92.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	86.5	U	86.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	96.3	U	96.3	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.307		18-112		50	SPK: -150
13127-88-3	Phenol-d6	75.226		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	67.086		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	56.889		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0.5-1-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139156.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	68.572		10-116		46	SPK: -150
1718-51-0	Terphenyl-d14	39.149		10-105		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79755	6.898				
1146-65-2	Naphthalene-d8	290547	8.175				
15067-26-2	Acenaphthene-d10	150574	9.934				
1517-22-2	Phenanthrene-d10	202566	11.416				
1719-03-5	Chrysene-d12	168501	14.057				
1520-96-3	Perylene-d12	157881	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2500	J			2.193	
	unknown3.399	94.2	J			3.399	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.11	
000470-82-6	Eucalyptol	98.8	J			7.051	
000770-35-4	1-Phenoxypropan-2-ol	98	J			8.487	
000057-10-3	n-Hexadecanoic acid	200	J			11.939	
074685-30-6	5-Eicosene, (E)-	310	J			13.898	
018835-33-1	1-Hexacosene	460	J			14.539	
010192-32-2	1-Tetracosene	84.9	J			14.863	
1010144-57-9	16-Heptadecenal	81.4	J			14.992	
000295-65-8	Cyclohexadecane	470	J			15.216	
026627-85-0	Hexacosanal	120	J			15.786	
000593-49-7	Heptacosane	200	J			16.033	
000506-51-4	n-Tetracosanol-1	260	J			16.08	
002400-66-0	Eicosanal-	190	J			16.851	
1000221-85-8	2H-Cyclopentacyclooctene, 4,5,6,7,	250	J			17.221	
	unknown17.639	100	J			17.639	
	unknown17.727	130	J			17.727	

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139157.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	94.7	U	94.7	150	200	ug/Kg
100-52-7	Benzaldehyde	220	U	220	320	390	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	98.2	U	98.2	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	99.2	U	99.2	150	200	ug/Kg
95-57-8	2-Chlorophenol	98.9	U	98.9	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	98.3	U	98.3	320	390	ug/Kg
95-48-7	2-Methylphenol	95.5	U	95.5	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	94.5	U	94.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.7	U	47.7	94.8	94.8	ug/Kg
67-72-1	Hexachloroethane	98.3	U	98.3	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	100	U	100	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	89.4	U	89.4	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	97.9	U	97.9	150	200	ug/Kg
106-47-8	4-Chloroaniline	97.9	U	97.9	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.7	U	98.7	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139157.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.8	U	91.8	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	97.7	U	97.7	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84.6	U	84.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.7	U	87.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	98.7	U	98.7	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	96.8	U	96.8	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.6	U	98.6	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	96.1	U	96.1	150	200	ug/Kg
Total PAH	Total PAH	1566	U	1566	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	100	U	100	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	98.6	U	198.6	150	400	ug/Kg
84-66-2	Diethylphthalate	94.9	U	94.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.7	U	96.7	150	200	ug/Kg
103-33-3	Azobenzene	94.3	U	94.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	93.5	U	93.5	150	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139157.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91.6	U	91.6	320	390	ug/Kg
85-01-8	Phenanthrene	99.5	U	99.5	150	200	ug/Kg
120-12-7	Anthracene	100	U	100	150	200	ug/Kg
86-74-8	Carbazole	95.1	U	95.1	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	99.9	U	99.9	150	200	ug/Kg
206-44-0	Fluoranthene	96.8	U	96.8	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	98.3	U	98.3	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	95.6	U	95.6	150	200	ug/Kg
218-01-9	Chrysene	94.2	U	94.2	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	96.1	U	96.1	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	97.9	U	97.9	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	92.5	U	92.5	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.2	U	96.2	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	94.9	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88.5	U	88.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	98.6	U	98.6	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.007		18-112		46	SPK: -150
13127-88-3	Phenol-d6	68.895		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	62.35		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	47.374		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-930-K1-SO-0-0.5-082024	SDG No.:	BF082324
Lab Sample ID:	P3707-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139157.D	1	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	63.61		10-116		42	SPK: -150
1718-51-0	Terphenyl-d14	31.407		10-105		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86122	6.898				
1146-65-2	Naphthalene-d8	306315	8.175				
15067-26-2	Acenaphthene-d10	156342	9.934				
1517-22-2	Phenanthrene-d10	214184	11.416				
1719-03-5	Chrysene-d12	186132	14.057				
1520-96-3	Perylene-d12	158190	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	J			2.193	
004254-14-2	R-(-)-1,2-propanediol	140	J			3.399	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			5.11	
000470-82-6	Eucalyptol	86.1	J			7.051	
000770-35-4	1-Phenoxypropan-2-ol	110	J			8.487	
000057-10-3	n-Hexadecanoic acid	220	J			11.939	
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	240	J			12.869	
1000282-98-2	Dichloroacetic acid, heptadecyl es	250	J			13.898	
000295-48-7	Cyclopentadecane	300	J			14.539	
000205-82-3	Benzo[j]fluoranthene	97.1	J			15.098	
007098-22-8	Tetratetracontane	100	J			15.192	
000593-49-7	Heptacosane	96	J			16.033	
018835-33-1	1-Hexacosene	130	J			16.08	
1000376-70-0	Heptadecanal	91.6	J			16.851	
1010428-65-8	Labda-7,14-dien-13(R)-ol	230	J			17.221	
025246-27-9	Alloaromadendrene	160	J			17.727	

Hit Summary Sheet SW-846

SDG No.: BF082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : S-929-K1-SO-0-0.5-082024								
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	(S)-(+)-1,2-Propanediol	*	440.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	1-Phenoxypropan-2-ol	*	550.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	2-Heptadecanone	*	250.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	620.000	A		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Butane, 2-methoxy-2-methyl-	*	9,300.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Cyclopentadecane	*	1,100.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	260.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Eucalyptol	*	940.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Hexacosane	*	700.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	n-Hexadecanoic acid	*	690.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	n-Tetracosanol-1	*	380.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Octadecanal	*	410.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Oxirane, hexadecyl-	*	310.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Tetracosane	*	670.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Trichloroacetic acid, hexadecyl es	*	790.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	unknown10.028	*	240.000	J		
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	unknown17.357	*	310.000	J		
			Total Tics :		17,960.00			
P3707-01	S-929-K1-SO-0-0.5-0820	Solid	Benzo(g,h,i)perylene	370.000	J	290	610	ug/Kg
			Total Svoc :		370.00			
			Total Concentration:		18,330.00			
Client ID : S-929-K1-SO-0.5-1-082024								
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	(S)-(+)-1,2-Propanediol	*	400.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	1-Heneicosanol	*	550.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	1-Phenoxypropan-2-ol	*	280.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	350.000	A		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Butane, 2-methoxy-2-methyl-	*	5,400.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Calarene epoxide	*	180.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Eucalyptol	*	680.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Heptadecane, 9-octyl-	*	230.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	n-Hexadecanoic acid	*	660.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	n-Tetracosanol-1	*	260.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Octacosane, 2-methyl-	*	270.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Octadecanal	*	190.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Octadecanoic acid	*	240.000	J		
P3707-04	S-929-K1-SO-0.5-1-0820	Solid	Pentadecafluorooctanoic acid, oct-	*	620.000	J		
			Total Tics :		10,310.00			

Hit Summary Sheet SW-846

SDG No.: BF082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				10,310.00				
Client ID :	S-913-K1-SO-0-0.5-082024							
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	(S)-(+)-1,2-Propanediol	*	190.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	.gamma.-Sitosterol	*	280.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	1-Phenoxypropan-2-ol	*	130.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	A		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	2-Pentanone, 5-methoxy-	*	120.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Butane, 2-methoxy-2-methyl-	*	2,300.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Carbonic acid, octadecyl 2,2,2-tri	*	160.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Carbonic acid, octadecyl prop-1-e	*	100.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Cyclopentadecane	*	320.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Eicosanal-	*	190.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Hentriacontane	*	130.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	n-Hexadecanoic acid	*	510.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Naphthalene, 1,2,3,5,6,7,8,8a-octa	*	100.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Octacosane, 2-methyl-	*	450.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Octadecanal	*	97.800	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Octadecane	*	670.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Octadecanoic acid	*	190.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Oxirane, hexadecyl-	*	200.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Pentadecafluorooctanoic acid, octi	*	400.000	J		
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Trichloroacetic acid, hexadecyl es	*	320.000	J		
Total Tics :				7,027.80				
P3707-05	S-913-K1-SO-0-0.5-0820	Solid	Benzo(g,h,i)perylene		130.000	J	88.4	190 ug/Kg
Total Svoc :				130.00				
Total Concentration:				7,157.80				
Client ID :	S-913-K1-SO-0.5-1-082024							
P3707-06	S-913-K1-SO-0.5-1-0820	Solid	1-Heptacosanol	*	100.000	J		
P3707-06	S-913-K1-SO-0.5-1-0820	Solid	1-Phenoxypropan-2-ol	*	100.000	J		
P3707-06	S-913-K1-SO-0.5-1-0820	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A		
P3707-06	S-913-K1-SO-0.5-1-0820	Solid	Butane, 2-methoxy-2-methyl-	*	2,000.000	J		
P3707-06	S-913-K1-SO-0.5-1-0820	Solid	unknown3.399	*	150.000	J		
Total Tics :				2,500.00				
Total Concentration:				2,500.00				
Client ID :	S-930-K1-SO-0-0.5-082024							
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	1-Hexacosene	*	130.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	1-Phenoxypropan-2-ol	*	110.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Alloaromadendrene	*	160.000	J		

Hit Summary Sheet SW-846

SDG No.: BF082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Benzo[j]fluoranthene	*	97.100	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Butane, 2-methoxy-2-methyl-	*	2,200.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Cyclopentadecane	*	300.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Dichloroacetic acid, heptadecyl es	*	250.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Eucalyptol	*	86.100	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Heptacosane	*	96.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Heptadecanal	*	91.600	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Labda-7,14-dien-13(R)-ol	*	230.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	n-Hexadecanoic acid	*	220.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Phenol, 4,4-(1-methylethylidene)t	*	240.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	R-(-)-1,2-propanediol	*	140.000	J		
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Tetratetracontane	*	100.000	J		
			Total Tics :		4,600.80			
P3707-07	S-930-K1-SO-0-0.5-0820	Solid	Benzo(g,h,i)perylene		130.000	J 94.9	200	ug/Kg
			Total Svoc :		130.00			
			Total Concentration:		4,730.80			
Client ID : S-930-K1-SO-0.5-1-082024								
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	1-Hexacosene	*	460.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	1-Phenoxypropan-2-ol	*	98.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	1-Tetracosene	*	84.900	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	16-Heptadecenal	*	81.400	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	A		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	2H-Cyclopentacyclooctene, 4,5,6,	*	250.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	5-Eicosene, (E)-	*	310.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Butane, 2-methoxy-2-methyl-	*	2,500.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Cyclohexadecane	*	470.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Eicosanal-	*	190.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Eucalyptol	*	98.800	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Heptacosane	*	200.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Hexacosanal	*	120.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	n-Hexadecanoic acid	*	200.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	n-Tetracosanol-1	*	260.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	unknown17.639	*	100.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	unknown17.727	*	130.000	J		
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	unknown3.399	*	94.200	J		
			Total Tics :		5,807.30			
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Benzo(a)anthracene		110.000	J 93.4	200	ug/Kg
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Benzo(b)fluoranthene		140.000	J 93.9	200	ug/Kg
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Benzo(g,h,i)perylene		140.000	J 92.7	200	ug/Kg
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Chrysene		94.300	J 92	200	ug/Kg



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BF082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Fluoranthene	170.000	J	94.6	200	ug/Kg
P3707-08	S-930-K1-SO-0.5-1-0820	Solid	Pyrene	120.000	J	96.1	200	ug/Kg
			Total Svoc :			774.30		
			Total Concentration:			6,581.60		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082024 SAS No.: BF082024 SDG No.: BF082024
Instrument ID: _____ Calibration Date(s): 8/20/2024 : _____
Calibration Time(s): 17:10 _____

LAB FILE ID:		RRF2.5 = BF139078.D			RRF005 = BF139079.D		RRF010 = BF139080.D	
		RRF020 = BF139081.D			RRF040 = BF139082.D		RRF050 = BF139083.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		1.227	0.804	0.822	0.794	0.769	0.856	19.2
Pyridine		1.553	1.469	1.544	1.361	1.323	1.417	7.5
2-Fluorophenol		1.671	1.315	1.335	1.225	1.182	1.300	13.5
Benzaldehyde			1.182	1.163	0.921	0.843	0.985	17.8
Aniline		1.903	1.548	1.626	1.511	1.469	1.516	15.1
Phenol-d6		2.058	1.698	1.737	1.612	1.545	1.680	11.0
Phenol		2.131	1.793	1.839	1.709	1.607	1.748	11.5
bis(2-Chloroethyl)ether		1.913	1.323	1.374	1.261	1.209	1.406	16.9
2-Chlorophenol		1.529	1.254	1.309	1.194	1.161	1.250	11.0
1,2-Dichlorobenzene		1.512	1.459	1.483	1.341	1.277	1.374	8.0
1,3-Dichlorobenzene		1.853	1.533	1.576	1.434	1.373	1.503	11.7
1,4-Dichlorobenzene		1.803	1.560	1.572	1.440	1.381	1.503	10.5
Benzyl Alcohol		1.608	1.313	1.366	1.280	1.225	1.328	10.0
2-Methylphenol		1.249	1.086	1.114	1.029	0.999	1.070	8.5
2,2-oxybis(1-Chloropropane)		2.693	1.975	2.043	1.850	1.768	1.980	16.9
Acetophenone		0.542	0.529	0.538	0.504	0.488	0.511	4.9
3+4-Methylphenols		1.706	1.418	1.446	1.348	1.258	1.386	11.7
n-Nitroso-di-n-propylamine	1.348	1.435	1.039	1.089	1.005	0.955	1.103	16.7
Nitrobenzene-d5		0.274	0.288	0.336	0.360	0.365	0.343	13.6
Hexachloroethane		0.677	0.502	0.532	0.507	0.485	0.527	12.9
Nitrobenzene		0.328	0.335	0.382	0.395	0.395	0.382	9.7
Isophorone		0.768	0.748	0.752	0.717	0.693	0.730	3.7
2-Nitrophenol		0.064	0.075	0.100	0.118	0.126	0.110	28.5
2,4-Dimethylphenol		0.275	0.227	0.234	0.223	0.219	0.231	8.7
bis(2-Chloroethoxy)methane		0.489	0.438	0.440	0.410	0.393	0.426	7.8
2,4-Dichlorophenol		0.293	0.290	0.299	0.287	0.278	0.288	2.6
1,2,4-Trichlorobenzene		0.370	0.350	0.352	0.331	0.314	0.337	6.2
Benzoic acid			0.100	0.133	0.167	0.183	0.167	26.4
Naphthalene		1.090	1.062	1.071	0.997	0.945	1.014	6.1
4-Chloroaniline		0.357	0.355	0.363	0.347	0.330	0.347	3.5
Hexachlorobutadiene		0.234	0.233	0.231	0.216	0.206	0.220	5.5
Caprolactam		0.090	0.091	0.092	0.092	0.089	0.091	1.8
4-Chloro-3-methylphenol		0.333	0.314	0.329	0.319	0.304	0.319	3.1
2-Methylnaphthalene		0.758	0.678	0.678	0.629	0.598	0.650	9.1
Hexachlorocyclopentadiene		0.202	0.192	0.218	0.214	0.211	0.210	4.9
2,4,6-Trichlorophenol		0.408	0.364	0.378	0.356	0.360	0.370	5.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082024 SAS No.: BF082024 SDG No.: BF082024
Instrument ID: _____ Calibration Date(s): 8/20/2024 : _____
Calibration Time(s): 17:10 _____

LAB FILE ID:		RRF2.5 = BF139078.D		RRF005 = BF139079.D		RRF010 = BF139080.D		
		RRF020 = BF139081.D		RRF040 = BF139082.D		RRF050 = BF139083.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.526	1.341	1.326	1.207	1.147	1.261	11.6
2,4,5-Trichlorophenol		0.401	0.359	0.384	0.386	0.363	0.379	3.7
1,1-Biphenyl		1.333	1.479	1.479	1.374	1.301	1.370	5.8
2-Chloronaphthalene		1.208	1.165	1.171	1.087	1.047	1.113	6.0
2-Nitroaniline		0.160	0.170	0.235	0.285	0.304	0.262	28.8
Dimethylphthalate		1.239	1.281	1.295	1.236	1.181	1.235	3.5
Acenaphthylene		1.656	1.666	1.690	1.587	1.523	1.595	4.8
2,6-Dinitrotoluene		0.093	0.147	0.202	0.236	0.243	0.206	30.8
3-Nitroaniline		0.123	0.151	0.211	0.241	0.243	0.213	25.9
Acenaphthene		1.181	1.076	1.072	1.027	0.985	1.053	6.2
2,4-Dinitrophenol			0.036	0.049	0.072	0.080	0.074	37.0
4-Nitrophenol			0.131	0.169	0.195	0.199	0.187	17.1
Dibenzofuran		1.611	1.620	1.623	1.518	1.441	1.530	5.8
2,4-Dinitrotoluene		0.109	0.165	0.229	0.289	0.297	0.250	34.3
Diethylphthalate		1.275	1.237	1.267	1.222	1.175	1.223	3.3
4-Chlorophenyl-phenylether		0.703	0.642	0.636	0.589	0.573	0.611	8.5
Fluorene		1.395	1.280	1.273	1.195	1.142	1.223	8.1
4-Nitroaniline		0.139	0.164	0.213	0.244	0.248	0.219	22.7
4,6-Dinitro-2-methylphenol			0.031	0.046	0.064	0.071	0.064	33.8
n-Nitrosodiphenylamine		0.707	0.606	0.613	0.571	0.544	0.592	9.8
Azobenzene		1.521	1.378	1.395	1.334	1.296	1.360	6.1
2,4,6-Tribromophenol		0.132	0.174	0.191	0.190	0.187	0.181	12.6
4-Bromophenyl-phenylether		0.228	0.217	0.226	0.207	0.199	0.212	5.5
Hexachlorobenzene		0.255	0.229	0.231	0.220	0.215	0.227	5.9
Atrazine		0.241	0.198	0.197	0.147	0.164	0.181	18.4
Pentachlorophenol		0.135	0.131	0.147	0.149	0.148	0.145	6.2
Phenanthrene		1.228	1.053	1.066	0.968	0.938	1.017	10.8
Anthracene		1.172	1.037	1.035	0.953	0.924	0.994	9.5
Carbazole		1.112	0.959	0.976	0.892	0.865	0.928	10.5
Di-n-butylphthalate		1.373	1.077	1.098	1.019	0.987	1.076	12.9
Fluoranthene		1.275	1.159	1.152	1.050	1.001	1.085	10.6
Benzidine		0.410	0.361	0.368	0.505	0.439	0.413	12.0
Pyrene		1.566	1.495	1.606	1.688	1.704	1.669	7.3
Terphenyl-d14		1.099	1.121	1.144	1.212	1.243	1.205	7.2
Butylbenzylphthalate		0.492	0.497	0.564	0.610	0.604	0.577	10.7
3,3-Dichlorobenzidine		0.429	0.419	0.407	0.349	0.329	0.367	13.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082024 SAS No.: BF082024 SDG No.: BF082024
Instrument ID: _____ Calibration Date(s): 8/20/2024 : _____
Calibration Time(s): 17:10 _____

LAB FILE ID:		RRF2.5 = BF139078.D			RRF005 = BF139079.D		RRF010 = BF139080.D	
		RRF020 = BF139081.D			RRF040 = BF139082.D		RRF050 = BF139083.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.478	1.343	1.346	1.301	1.232	1.315	6.6
Chrysene		1.229	1.245	1.288	1.153	1.111	1.192	5.3
Bis(2-ethylhexyl)phthalate		0.749	0.719	0.757	0.779	0.764	0.765	3.6
Di-n-octyl phthalate		1.238	1.050	1.094	1.030	0.998	1.074	7.2
Benzo(b)fluoranthene		1.474	1.391	1.390	1.257	1.153	1.304	9.3
Benzo(k)fluoranthene		1.051	1.220	1.288	1.076	1.019	1.086	11.4
Benzo(a)pyrene		1.052	1.068	1.087	1.014	0.981	1.030	3.9
Indeno(1,2,3-cd)pyrene		0.909	0.873	1.124	1.298	1.308	1.171	17.6
Dibenzo(a,h)anthracene		0.745	0.724	0.922	1.078	1.071	0.961	17.3
Benzo(g,h,i)perylene		0.641	0.713	0.968	1.106	1.102	0.969	21.5
1,2,4,5-Tetrachlorobenzene		0.904	0.595	0.595	0.560	0.531	0.609	21.8
1,4-Dioxane		0.591	0.579	0.579	0.553	0.528	0.558	4.7
2,3,4,6-Tetrachlorophenol		0.259	0.297	0.325	0.313	0.306	0.305	7.3
1-Methylnaphthalene		0.677	0.662	0.666	0.613	0.585	0.627	6.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139082.D Time Analyzed: 10:42

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	116386	6.899	419218	8.18	240364	9.93
UPPER LIMIT	232772	7.399	838436	8.681	480728	10.434
LOWER LIMIT	58193	6.399	209609	7.681	120182	9.434
EPA SAMPLE NO.						
01 PB162917BL	112654	6.90	434644	8.18	258735	9.93
02 PB162917BS	119701	6.90	453077	8.18	274027	9.94
03 PB162871TB	90991	6.90	336793	8.18	198584	9.93
04 PB162890TB	85509	6.90	318468	8.18	189272	9.93
05 20430	86207	6.90	322970	8.18	181312	9.93
06 20430MS	83522	6.90	300912	8.18	168641	9.94
07 20430MSD	87523	6.90	318186	8.18	180671	9.94
08 Stock Pile-1	85731	6.90	319127	8.18	185999	9.93
09 Stock Pile-2	81969	6.90	306862	8.18	175208	9.93
10 WC-1	82243	6.90	303274	8.18	173605	9.93
11 Kingsland-Driveway	83698	6.90	308070	8.18	174522	9.93
12 LNG-Soil Pile	81055	6.90	299651	8.18	169075	9.93
13 S-913-K1-SO-0.5-1-082024	85538	6.90	316764	8.18	182657	9.93
14 S-929-K1-SO-0-0.5-082024	82547	6.90	309312	8.18	173273	9.93
15 S-929-K1-SO-0-0.5-082024MS	82447	6.90	303051	8.18	166707	9.93
16 S-929-K1-SO-0-0.5-082024MSD	82339	6.90	302699	8.18	166761	9.93
17 S-929-K1-SO-0.5-1-082024	76047	6.90	281112	8.18	155587	9.93
18 S-913-K1-SO-0-0.5-082024	86296	6.90	313872	8.18	166811	9.93
19 S-930-K1-SO-0.5-1-082024	79755	6.90	290547	8.18	150574	9.93
20 S-930-K1-SO-0-0.5-082024	86122	6.90	306315	8.18	156342	9.93

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139082.D Time Analyzed: 20:15

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	116386	6.899	419218	8.18	240364	9.93
UPPER LIMIT	232772	7.399	838436	8.681	480728	10.434
LOWER LIMIT	58193	6.399	209609	7.681	120182	9.434
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDCCC040

Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139137.D

Time Analyzed: 10:42

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	88455	6.898	318366	8.18	192264	9.94
UPPER LIMIT	176910	7.398	636732	8.681	384528	10.439
LOWER LIMIT	44227.5	6.398	159183	7.681	96132	9.439
EPA SAMPLE NO.						
01 PB162917BL	112654	6.90	434644	8.18	258735	9.93
02 PB162917BS	119701	6.90	453077	8.18	274027	9.94
03 PB162871TB	90991	6.90	336793	8.18	198584	9.93
04 PB162890TB	85509	6.90	318468	8.18	189272	9.93
05 20430	86207	6.90	322970	8.18	181312	9.93
06 20430MS	83522	6.90	300912	8.18	168641	9.94
07 20430MSD	87523	6.90	318186	8.18	180671	9.94
08 Stock Pile-1	85731	6.90	319127	8.18	185999	9.93
09 Stock Pile-2	81969	6.90	306862	8.18	175208	9.93
10 WC-1	82243	6.90	303274	8.18	173605	9.93
11 Kingsland-Driveway	83698	6.90	308070	8.18	174522	9.93
12 LNG-Soil Pile	81055	6.90	299651	8.18	169075	9.93
13 S-913-K1-SO-0.5-1-082024	85538	6.90	316764	8.18	182657	9.93
14 S-929-K1-SO-0-0.5-082024	82547	6.90	309312	8.18	173273	9.93
15 S-929-K1-SO-0-0.5-082024MS	82447	6.90	303051	8.18	166707	9.93
16 S-929-K1-SO-0-0.5-082024MSD	82339	6.90	302699	8.18	166761	9.93
17 S-929-K1-SO-0.5-1-082024	76047	6.90	281112	8.18	155587	9.93
18 S-913-K1-SO-0-0.5-082024	86296	6.90	313872	8.18	166811	9.93
19 S-930-K1-SO-0.5-1-082024	79755	6.90	290547	8.18	150574	9.93
20 S-930-K1-SO-0-0.5-082024	86122	6.90	306315	8.18	156342	9.93

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139137.D Time Analyzed: 20:15

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	88455	6.898	318366	8.18	192264	9.94
UPPER LIMIT	176910	7.398	636732	8.681	384528	10.439
LOWER LIMIT	44227.5	6.398	159183	7.681	96132	9.439
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139082.D Time Analyzed: 10:42

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	434981	11.422	276906	14.057	215524	15.533
	UPPER LIMIT	869962	11.922	553812	14.557	431048	16.033
	LOWER LIMIT	217490.5	10.922	138453	13.557	107762	15.033
	EPA SAMPLE NO.						
01	PB162917BL	485351	11.42	360157	14.06	233927	15.54
02	PB162917BS	501979	11.43	265971	14.07	224142	15.54
03	PB162871TB	371509	11.42	260711	14.06	180636	15.54
04	PB162890TB	353792	11.42	257950	14.06	178847	15.53
05	20430	296950	11.42	148166	14.06	172519	15.54
06	20430MS	254345	11.42	138165 *	14.06	177253	15.54
07	20430MSD	283007	11.42	149222	14.06	188099	15.54
08	Stock Pile-1	305494	11.42	161232	14.06	172575	15.53
09	Stock Pile-2	294030	11.42	157458	14.06	167437	15.53
10	WC-1	287626	11.42	159122	14.06	174096	15.53
11	Kingsland-Driveway	294619	11.42	160467	14.06	171127	15.53
12	LNG-Soil Pile	271912	11.42	151773	14.06	156512	15.53
13	S-913-K1-SO-0.5-1-082024	296118	11.42	170138	14.06	187313	15.53
14	S-929-K1-SO-0-0.5-082024	267421	11.42	165708	14.05	196434	15.53
15	S-929-K1-SO-0-0.5-082024MS	256038	11.42	149562	14.06	181960	15.53
16	S-929-K1-SO-0-0.5-082024MSI	260194	11.42	153223	14.06	183067	15.53
17	S-929-K1-SO-0.5-1-082024	237965	11.42	144760	14.05	169005	15.53
18	S-913-K1-SO-0-0.5-082024	237415	11.42	166148	14.05	186913	15.53
19	S-930-K1-SO-0.5-1-082024	202566 *	11.42	168501	14.06	157881	15.53
20	S-930-K1-SO-0-0.5-082024	214184 *	11.42	186132	14.06	158190	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139082.D Time Analyzed: 20:15

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	434981	11.422	276906	14.057	215524	15.533
UPPER LIMIT	869962	11.922	553812	14.557	431048	16.033
LOWER LIMIT	217490.5	10.922	138453	13.557	107762	15.033
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139137.D Time Analyzed: 10:42

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	352816	11.422	192153	14.063	169503	15.539
	UPPER LIMIT	705632	11.922	384306	14.563	339006	16.039
	LOWER LIMIT	176408	10.922	96076.5	13.563	84751.5	15.039
	EPA SAMPLE NO.						
01	PB162917BL	485351	11.42	360157	14.06	233927	15.54
02	PB162917BS	501979	11.43	265971	14.07	224142	15.54
03	PB162871TB	371509	11.42	260711	14.06	180636	15.54
04	PB162890TB	353792	11.42	257950	14.06	178847	15.53
05	20430	296950	11.42	148166	14.06	172519	15.54
06	20430MS	254345	11.42	138165	14.06	177253	15.54
07	20430MSD	283007	11.42	149222	14.06	188099	15.54
08	Stock Pile-1	305494	11.42	161232	14.06	172575	15.53
09	Stock Pile-2	294030	11.42	157458	14.06	167437	15.53
10	WC-1	287626	11.42	159122	14.06	174096	15.53
11	Kingsland-Driveway	294619	11.42	160467	14.06	171127	15.53
12	LNG-Soil Pile	271912	11.42	151773	14.06	156512	15.53
13	S-913-K1-SO-0.5-1-082024	296118	11.42	170138	14.06	187313	15.53
14	S-929-K1-SO-0-0.5-082024	267421	11.42	165708	14.05	196434	15.53
15	S-929-K1-SO-0-0.5-082024MS	256038	11.42	149562	14.06	181960	15.53
16	S-929-K1-SO-0-0.5-082024MSI	260194	11.42	153223	14.06	183067	15.53
17	S-929-K1-SO-0.5-1-082024	237965	11.42	144760	14.05	169005	15.53
18	S-913-K1-SO-0-0.5-082024	237415	11.42	166148	14.05	186913	15.53
19	S-930-K1-SO-0.5-1-082024	202566	11.42	168501	14.06	157881	15.53
20	S-930-K1-SO-0-0.5-082024	214184	11.42	186132	14.06	158190	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082324 SAS No.: BF082324 SDG NO.: BF082324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BF139137.D Time Analyzed: 20:15

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	352816	11.422	192153	14.063	169503	15.539
UPPER LIMIT	705632	11.922	384306	14.563	339006	16.039
LOWER LIMIT	176408	10.922	96076.5	13.563	84751.5	15.039
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF082324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162917BS	n-Nitrosodimethylamine	50	42.2	ug/L	84				55	108	
	Pyridine	50	32	ug/L	64				29	97	
	Benzaldehyde	50	19.5	ug/L	39				10	162	
	Aniline	50	27.8	ug/L	56				10	130	
	Phenol	50	43.9	ug/L	88				66	118	
	bis(2-Chloroethyl)ether	50	41	ug/L	82				62	103	
	2-Chlorophenol	50	46.2	ug/L	92				70	117	
	1,2-Dichlorobenzene	50	44.1	ug/L	88				72	102	
	1,3-Dichlorobenzene	50	41.3	ug/L	83				71	103	
	1,4-Dichlorobenzene	50	41.9	ug/L	84				76	103	
	Benzyl Alcohol	50	45.7	ug/L	91				36	93	
	2-Methylphenol	50	44.6	ug/L	89				69	109	
	2,2-oxybis(1-Chloropropane)	50	42.6	ug/L	85				65	100	
	Acetophenone	50	40.3	ug/L	81				60	104	
	3+4-Methylphenols	50	44.5	ug/L	89				67	106	
	N-Nitroso-di-n-propylamine	50	43.1	ug/L	86				57	107	
	Hexachloroethane	50	43	ug/L	86				76	118	
	Nitrobenzene	50	48.7	ug/L	97				58	106	
	Isophorone	50	44.6	ug/L	89				61	102	
	2-Nitrophenol	50	56.3	ug/L	113				70	115	
	2,4-Dimethylphenol	50	47.6	ug/L	95				42	142	
	bis(2-Chloroethoxy)methane	50	42.9	ug/L	86				58	109	
	2,4-Dichlorophenol	50	45.6	ug/L	91				66	115	
	1,2,4-Trichlorobenzene	50	42.3	ug/L	85				41	115	
	Benzoic acid	50	48.3	ug/L	97				10	125	
	Naphthalene	50	42.9	ug/L	86				64	107	
	4-Chloroaniline	50	22.3	ug/L	45				10	85	
	Hexachlorobutadiene	50	41.3	ug/L	83				69	101	
	Caprolactam	50	43.3	ug/L	87				58	128	
	4-Chloro-3-methylphenol	50	46.5	ug/L	93				65	114	
	2-Methylnaphthalene	50	43.5	ug/L	87				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	45.1	ug/L	90				61	110	
	2,4,5-Trichlorophenol	50	43.9	ug/L	88				70	106	
	1,1-Biphenyl	50	40.3	ug/L	81				72	98	
	2-Chloronaphthalene	50	41.5	ug/L	83				59	106	
	2-Nitroaniline	50	52.8	ug/L	106				73	114	
	Dimethylphthalate	50	46.2	ug/L	92				64	103	
	Acenaphthylene	50	46.2	ug/L	92				79	103	
	2,6-Dinitrotoluene	50	49.9	ug/L	100				64	110	
	3-Nitroaniline	50	37.6	ug/L	75				28	100	
	Acenaphthene	50	48.7	ug/L	97				59	113	
	Total PAH	800	763.2	ug/L	95				59	113	
	2,4-Dinitrophenol	100	100	ug/L	100				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF082324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162917BS	4-Nitrophenol	100	110	ug/L	110				45	147	
	Dibenzofuran	50	43.8	ug/L	88				65	106	
	2,4-Dinitrotoluene	50	54.8	ug/L	110				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	104.7	ug/L	105				60	115	
	Diethylphthalate	50	45.8	ug/L	92				63	105	
	4-Chlorophenyl-phenylether	50	42.6	ug/L	85				61	104	
	Fluorene	50	43.5	ug/L	87				64	107	
	4-Nitroaniline	50	47.6	ug/L	95				55	125	
	4,6-Dinitro-2-methylphenol	50	64.4	ug/L	129				62	132	
	N-Nitrosodiphenylamine	50	43.2	ug/L	86				61	109	
	Azobenzene	50	44.5	ug/L	89				59	106	
	4-Bromophenyl-phenylether	50	43.5	ug/L	87				73	103	
	Hexachlorobenzene	50	43.1	ug/L	86				73	106	
	Atrazine	50	41.1	ug/L	82				76	120	
	Pentachlorophenol	100	87.4	ug/L	87				47	114	
	Phenanthrene	50	43.4	ug/L	87				62	109	
	Anthracene	50	44.1	ug/L	88				65	110	
	Carbazole	50	42.1	ug/L	84				62	106	
	Di-n-butylphthalate	50	44.2	ug/L	88				64	106	
	Fluoranthene	50	40.9	ug/L	82				64	110	
	Benzidine	100	9.5	ug/L	10				10	94	
	Pyrene	50	49.7	ug/L	99				71	103	
	Butylbenzylphthalate	50	53.6	ug/L	107		*		61	105	
	3,3-Dichlorobenzidine	50	36.8	ug/L	74				43	108	
	Benzo(a)anthracene	50	45.5	ug/L	91				62	107	
	Chrysene	50	45.5	ug/L	91				61	108	
	bis(2-Ethylhexyl)phthalate	50	51.1	ug/L	102				59	110	
	Di-n-octyl phthalate	50	49.3	ug/L	99				52	139	
	Benzo(b)fluoranthene	50	49	ug/L	98				77	113	
	Benzo(k)fluoranthene	50	46	ug/L	92				77	105	
	Benzo(a)pyrene	50	51.2	ug/L	102				72	131	
	Indeno(1,2,3-cd)pyrene	50	58.5	ug/L	117		*		72	105	
	Dibenz(a,h)anthracene	50	59	ug/L	118		*		78	115	
	Benzo(g,h,i)perylene	50	49.1	ug/L	98				75	118	
	1,2,4,5-Tetrachlorobenzene	50	40.2	ug/L	80				72	101	
	1,4-Dioxane	50	31.1	ug/L	62				38	125	
	2,3,4,6-Tetrachlorophenol	50	49.5	ug/L	99				63	116	
	1-Methylnaphthalene	50	41.8	ug/L	84				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162917BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082324

SAS No.: BF082324 SDG NO.: BF082324

Lab File ID: BF139138.D

Lab Sample ID: PB162917BL

Instrument ID: BNA_F

Date Extracted: 08/22/2024

Matrix: (soil/water) water

Date Analyzed: 08/23/2024

Level: (low/med) LOW

Time Analyzed: 10:42

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162917BS	PB162917BS	BF139139.D	08/23/2024
PB162871TB	PB162871TB	BF139140.D	08/23/2024
PB162890TB	PB162890TB	BF139141.D	08/23/2024
20430	P3669-05	BF139142.D	08/23/2024
20430MS	P3669-05MS	BF139143.D	08/23/2024
20430MSD	P3669-05MSD	BF139144.D	08/23/2024
Stock Pile-1	P3685-02	BF139145.D	08/23/2024
Stock Pile-2	P3685-04	BF139146.D	08/23/2024
WC-1	P3689-01	BF139147.D	08/23/2024
Kingsland-Driveway	P3694-02	BF139148.D	08/23/2024
LNG-Soil Pile	P3704-03	BF139149.D	08/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

S-913-K1-SO-0.5-1-0

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082324

SAS No.: BF082324 SDG NO.: BF082324

Lab File ID: BF139150.D

Lab Sample ID: P3707-06

Instrument ID: BNA_F

Date Extracted: 08/23/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/23/2024

Level: (low/med) LOW

Time Analyzed: 16:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
S-913-K1-SO-0.5-1-082024	P3707-06	BF139150.D	08/23/2024
S-929-K1-SO-0-0.5-082024	P3707-01	BF139151.D	08/23/2024
S-929-K1-SO-0-0.5-082024MS	P3707-02MS	BF139152.D	08/23/2024
S-929-K1-SO-0-0.5-082024MSD	P3707-03MSD	BF139153.D	08/23/2024
S-929-K1-SO-0.5-1-082024	P3707-04	BF139154.D	08/23/2024
S-913-K1-SO-0-0.5-082024	P3707-05	BF139155.D	08/23/2024
S-930-K1-SO-0.5-1-082024	P3707-08	BF139156.D	08/23/2024
S-930-K1-SO-0-0.5-082024	P3707-07	BF139157.D	08/23/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3669-05MS		Client Sample ID: 20430MS		DataFile: BF139143.D							
n-Nitrosodimethylamine	500		430	ug/L	86				10	130	
Pyridine	500		370	ug/L	74				10	109	
Benzaldehyde	500		190	ug/L	38				10	137	
Aniline	500		280	ug/L	56				10	130	
Phenol	500		460	ug/L	92				10	130	
bis(2-Chloroethyl)ether	500		470	ug/L	94				29	141	
2-Chlorophenol	500		510	ug/L	102				23	127	
1,2-Dichlorobenzene	500		480	ug/L	96				61	114	
1,3-Dichlorobenzene	500		450	ug/L	90				65	106	
1,4-Dichlorobenzene	500		460	ug/L	92				55	125	
Benzyl Alcohol	500		520	ug/L	104	*			31	94	
2-Methylphenol	500		500	ug/L	100				37	126	
2,2-oxybis(1-Chloropropane)	500		480	ug/L	96				36	141	
Acetophenone	500		510	ug/L	102				31	164	
3+4-Methylphenols	500		500	ug/L	100				31	127	
N-Nitroso-di-n-propylamine	500		480	ug/L	96				36	147	
Hexachloroethane	500		480	ug/L	96				49	110	
Nitrobenzene	500		580	ug/L	116	*			62	112	
Isophorone	500		540	ug/L	108				39	146	
2-Nitrophenol	500		640	ug/L	128				30	148	
2,4-Dimethylphenol	500		640	ug/L	128				17	143	
bis(2-Chloroethoxy)methane	500		520	ug/L	104				39	143	
2,4-Dichlorophenol	500		540	ug/L	108				22	146	
1,2,4-Trichlorobenzene	500		480	ug/L	96				66	110	
Benzoic acid	500		470	ug/L	94				10	101	
Naphthalene	500		510	ug/L	102				17	157	
4-Chloroaniline	500		130	ug/L	26				10	95	
Hexachlorobutadiene	500		490	ug/L	98				52	125	
Caprolactam	500		390	ug/L	78				10	130	
4-Chloro-3-methylphenol	500		530	ug/L	106				17	148	
2-Methylnaphthalene	500		520	ug/L	104				38	146	
Hexachlorocyclopentadiene	1000		1900	ug/L	190	*			20	153	
2,4,6-Trichlorophenol	500		550	ug/L	110				78	112	
2,4,5-Trichlorophenol	500		550	ug/L	110				71	111	
1,1-Biphenyl	500		540	ug/L	108				38	154	
2-Chloronaphthalene	500		520	ug/L	104				41	145	
2-Nitroaniline	500		600	ug/L	120				39	151	
Dimethylphthalate	500		550	ug/L	110				42	147	
Acenaphthylene	500		570	ug/L	114				40	141	
2,6-Dinitrotoluene	500		570	ug/L	114				43	148	
3-Nitroaniline	500		340	ug/L	68				10	111	
Acenaphthene	500		600	ug/L	120				37	146	
Total PAH	8000		8590	ug/L	107				37	146	
2,4-Dinitrophenol	1000		1100	ug/L	110				14	167	
4-Nitrophenol	1000		950	ug/L	95				10	130	
Dibenzofuran	500		530	ug/L	106				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		580	ug/L	116				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1150	ug/L	115				50	142	
Diethylphthalate	500		520	ug/L	104				41	148	
4-Chlorophenyl-phenylether	500		520	ug/L	104				38	149	
Fluorene	500		510	ug/L	102				39	144	
4-Nitroaniline	500		450	ug/L	90				27	138	
4,6-Dinitro-2-methylphenol	500		710	ug/L	142				32	175	
N-Nitrosodiphenylamine	500		600	ug/L	120				40	150	
Azobenzene	500		520	ug/L	104				72	112	
4-Bromophenyl-phenylether	500		610	ug/L	122				42	151	
Hexachlorobenzene	500		580	ug/L	116	*			72	115	
Atrazine	500		550	ug/L	110				20	162	
Pentachlorophenol	1000		1100	ug/L	110				25	139	
Phenanthrene	500		550	ug/L	110				40	147	
Anthracene	500		570	ug/L	114				41	146	
Carbazole	500		460	ug/L	92				37	154	
Di-n-butylphthalate	500		490	ug/L	98				40	151	
Fluoranthene	500		420	ug/L	84				42	146	
Benzydine	1000		330	ug/L	33				10	130	
Pyrene	500		490	ug/L	98				41	149	
Butylbenzylphthalate	500		510	ug/L	102				39	155	
3,3-Dichlorobenzidine	500		490	ug/L	98				10	114	
Benzo(a)anthracene	500		540	ug/L	108				41	147	
Chrysene	500		560	ug/L	112				44	144	
bis(2-Ethylhexyl)phthalate	500		510	ug/L	102				33	160	
Di-n-octyl phthalate	500		700	ug/L	140				36	158	
Benzo(b)fluoranthene	500		490	ug/L	98				40	150	
Benzo(k)fluoranthene	500		540	ug/L	108				40	147	
Benzo(a)pyrene	500		580	ug/L	116				42	147	
Indeno(1,2,3-cd)pyrene	500		600	ug/L	120				30	166	
Dibenz(a,h)anthracene	500		600	ug/L	120				23	172	
Benzo(g,h,i)perylene	500		460	ug/L	92				27	167	
1,2,4,5-Tetrachlorobenzene	500		560	ug/L	112	*			89	102	
1,4-Dioxane	500		400	ug/L	80				38	130	
2,3,4,6-Tetrachlorophenol	500		570	ug/L	114	*			91	111	
1-Methylnaphthalene	500		500	ug/L	100				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3669-05MSD		Client Sample ID: 20430MSD		DataFile: BF139144.D							
n-Nitrosodimethylamine	500		430	ug/L	86		0		10	130	20
Pyridine	500		370	ug/L	74		0		10	109	20
Benzaldehyde	500		200	ug/L	40		5		10	137	20
Aniline	500		260	ug/L	52		7		10	130	20
Phenol	500		440	ug/L	88		4		10	130	20
bis(2-Chloroethyl)ether	500		460	ug/L	92		2		29	141	20
2-Chlorophenol	500		490	ug/L	98		4		23	127	20
1,2-Dichlorobenzene	500		470	ug/L	94		2		61	114	20
1,3-Dichlorobenzene	500		450	ug/L	90		0		65	106	20
1,4-Dichlorobenzene	500		450	ug/L	90		2		55	125	20
Benzyl Alcohol	500		500	ug/L	100	*	4		31	94	20
2-Methylphenol	500		500	ug/L	100		0		37	126	20
2,2-oxybis(1-Chloropropane)	500		480	ug/L	96		0		36	141	20
Acetophenone	500		500	ug/L	100		2		31	164	20
3+4-Methylphenols	500		490	ug/L	98		2		31	127	20
N-Nitroso-di-n-propylamine	500		470	ug/L	94		2		36	147	20
Hexachloroethane	500		470	ug/L	94		2		49	110	20
Nitrobenzene	500		560	ug/L	112		4		62	112	20
Isophorone	500		520	ug/L	104		4		39	146	20
2-Nitrophenol	500		630	ug/L	126		2		30	148	20
2,4-Dimethylphenol	500		620	ug/L	124		3		17	143	20
bis(2-Chloroethoxy)methane	500		510	ug/L	102		2		39	143	20
2,4-Dichlorophenol	500		520	ug/L	104		4		22	146	20
1,2,4-Trichlorobenzene	500		470	ug/L	94		2		66	110	20
Benzoic acid	500		470	ug/L	94		0		10	101	20
Naphthalene	500		500	ug/L	100		2		17	157	20
4-Chloroaniline	500		85.3	ug/L	17		42	*	10	95	20
Hexachlorobutadiene	500		480	ug/L	96		2		52	125	20
Caprolactam	500		370	ug/L	74		5		10	130	20
4-Chloro-3-methylphenol	500		520	ug/L	104		2		17	148	20
2-Methylnaphthalene	500		510	ug/L	102		2		38	146	20
Hexachlorocyclopentadiene	1000		1900	ug/L	190	*	0		20	153	20
2,4,6-Trichlorophenol	500		540	ug/L	108		2		78	112	20
2,4,5-Trichlorophenol	500		540	ug/L	108		2		71	111	20
1,1-Biphenyl	500		530	ug/L	106		2		38	154	20
2-Chloronaphthalene	500		510	ug/L	102		2		41	145	20
2-Nitroaniline	500		590	ug/L	118		2		39	151	20
Dimethylphthalate	500		540	ug/L	108		2		42	147	20
Acenaphthylene	500		550	ug/L	110		4		40	141	20
2,6-Dinitrotoluene	500		560	ug/L	112		2		43	148	20
3-Nitroaniline	500		330	ug/L	66		3		10	111	20
Acenaphthene	500		590	ug/L	118		2		37	146	20
Total PAH	8000		8260	ug/L	103		4		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		0		14	167	20
4-Nitrophenol	1000		930	ug/L	93		2		10	130	20
Dibenzofuran	500		520	ug/L	104		2		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		570	ug/L	114		2		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1130	ug/L	113		2		50	142	20
Diethylphthalate	500		510	ug/L	102		2		41	148	20
4-Chlorophenyl-phenylether	500		520	ug/L	104		0		38	149	20
Fluorene	500		500	ug/L	100		2		39	144	20
4-Nitroaniline	500		450	ug/L	90		0		27	138	20
4,6-Dinitro-2-methylphenol	500		680	ug/L	136		4		32	175	20
N-Nitrosodiphenylamine	500		560	ug/L	112		7		40	150	20
Azobenzene	500		510	ug/L	102		2		72	112	20
4-Bromophenyl-phenylether	500		570	ug/L	114		7		42	151	20
Hexachlorobenzene	500		550	ug/L	110		5		72	115	20
Atrazine	500		540	ug/L	108		2		20	162	20
Pentachlorophenol	1000		1000	ug/L	100		10		25	139	20
Phenanthrene	500		520	ug/L	104		6		40	147	20
Anthracene	500		540	ug/L	108		5		41	146	20
Carbazole	500		430	ug/L	86		7		37	154	20
Di-n-butylphthalate	500		470	ug/L	94		4		40	151	20
Fluoranthene	500		400	ug/L	80		5		42	146	20
Benzydine	1000		310	ug/L	31		6		10	130	20
Pyrene	500		490	ug/L	98		0		41	149	20
Butylbenzylphthalate	500		500	ug/L	100		2		39	155	20
3,3-Dichlorobenzidine	500		470	ug/L	94		4		10	114	20
Benzo(a)anthracene	500		530	ug/L	106		2		41	147	20
Chrysene	500		540	ug/L	108		4		44	144	20
bis(2-Ethylhexyl)phthalate	500		500	ug/L	100		2		33	160	20
Di-n-octyl phthalate	500		660	ug/L	132		6		36	158	20
Benzo(b)fluoranthene	500		460	ug/L	92		6		40	150	20
Benzo(k)fluoranthene	500		530	ug/L	106		2		40	147	20
Benzo(a)pyrene	500		560	ug/L	112		4		42	147	20
Indeno(1,2,3-cd)pyrene	500		560	ug/L	112		7		30	166	20
Dibenz(a,h)anthracene	500		550	ug/L	110		9		23	172	20
Benzo(g,h,i)perylene	500		440	ug/L	88		4		27	167	20
1,2,4,5-Tetrachlorobenzene	500		540	ug/L	108	*	4		89	102	20
1,4-Dioxane	500		390	ug/L	78		3		38	130	20
2,3,4,6-Tetrachlorophenol	500		560	ug/L	112	*	2		91	111	20
1-Methylnaphthalene	500		490	ug/L	98		2		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3707-02MS		Client Sample ID: S-929-K1-SO-0-0.5-082024MS		DataFile: BF139152.D							
n-Nitrosodimethylamine	6000		5500	ug/Kg	92				66	124	
Pyridine	6000		5400	ug/Kg	90				45	119	
Benzaldehyde	6000		3900	ug/Kg	65				10	86	
Aniline	6000		5500	ug/Kg	92	*			10	88	
Phenol	6000		5900	ug/Kg	98				67	126	
bis(2-Chloroethyl)ether	6000		5500	ug/Kg	92				54	125	
2-Chlorophenol	6000		6100	ug/Kg	102				79	107	
1,2-Dichlorobenzene	6000		5800	ug/Kg	97				61	105	
1,3-Dichlorobenzene	6000		5600	ug/Kg	93				62	101	
1,4-Dichlorobenzene	6000		5700	ug/Kg	95				63	104	
Benzyl Alcohol	6000		6000	ug/Kg	100				47	126	
2-Methylphenol	6000		5900	ug/Kg	98				66	122	
2,2-oxybis(1-Chloropropane)	6000		5900	ug/Kg	98				65	110	
Acetophenone	6000		5800	ug/Kg	97				75	111	
3+4-Methylphenols	6000		5800	ug/Kg	97				66	104	
N-Nitroso-di-n-propylamine	6000		5600	ug/Kg	93				59	119	
Hexachloroethane	6000		5900	ug/Kg	98				65	117	
Nitrobenzene	6000		6600	ug/Kg	110				70	119	
Isophorone	6000		6100	ug/Kg	102				76	122	
2-Nitrophenol	6000		7400	ug/Kg	123				54	145	
2,4-Dimethylphenol	6000		7100	ug/Kg	118				44	135	
bis(2-Chloroethoxy)methane	6000		5800	ug/Kg	97				68	112	
2,4-Dichlorophenol	6000		6100	ug/Kg	102				72	118	
1,2,4-Trichlorobenzene	6000		5600	ug/Kg	93				57	103	
Benzoic acid	6000		5700	ug/Kg	95				50	104	
Naphthalene	6000		5800	ug/Kg	97				72	110	
4-Chloroaniline	6000		2000	ug/Kg	33				10	91	
Hexachlorobutadiene	6000		5800	ug/Kg	97				66	114	
Caprolactam	6000		5600	ug/Kg	93				51	134	
4-Chloro-3-methylphenol	6000		5900	ug/Kg	98				57	132	
2-Methylnaphthalene	6000		5900	ug/Kg	98				59	123	
Hexachlorocyclopentadiene	12000		22600	ug/Kg	188	*			10	175	
2,4,6-Trichlorophenol	6000		6300	ug/Kg	105				72	117	
2,4,5-Trichlorophenol	6000		6200	ug/Kg	103				72	117	
1,1-Biphenyl	6000		6200	ug/Kg	103				75	113	
2-Chloronaphthalene	6000		6000	ug/Kg	100				67	118	
2-Nitroaniline	6000		6700	ug/Kg	112				69	127	
Dimethylphthalate	6000		6300	ug/Kg	105				70	113	
Acenaphthylene	6000		6400	ug/Kg	107				79	118	
2,6-Dinitrotoluene	6000		6600	ug/Kg	110				70	125	
3-Nitroaniline	6000		4100	ug/Kg	68				30	99	
Acenaphthene	6000		6800	ug/Kg	113				70	121	
Total PAH	96000	0	96100	ug/Kg	100				70	121	
2,4-Dinitrophenol	12000		12300	ug/Kg	103				10	155	
4-Nitrophenol	12000		11700	ug/Kg	98				45	133	
Dibenzofuran	6000		6100	ug/Kg	102				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	12000		13400	ug/Kg	112				55	128	
2,4-Dinitrotoluene	6000		6800	ug/Kg	113				55	128	
Diethylphthalate	6000		6000	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	6000		5900	ug/Kg	98				71	108	
Fluorene	6000		5900	ug/Kg	98				68	116	
4-Nitroaniline	6000		5500	ug/Kg	92				55	120	
4,6-Dinitro-2-methylphenol	6000		8200	ug/Kg	137				10	160	
N-Nitrosodiphenylamine	6000		6700	ug/Kg	112				73	118	
Azobenzene	6000		5900	ug/Kg	98				73	110	
4-Bromophenyl-phenylether	6000		6700	ug/Kg	112				65	121	
Hexachlorobenzene	6000		6500	ug/Kg	108				67	118	
Atrazine	6000		6700	ug/Kg	112				79	127	
Pentachlorophenol	12000		11700	ug/Kg	98				47	128	
Phenanthrene	6000		6200	ug/Kg	103				52	128	
Anthracene	6000		6400	ug/Kg	107				62	124	
Carbazole	6000		5100	ug/Kg	85				59	119	
Di-n-butylphthalate	6000		5700	ug/Kg	95				69	118	
Fluoranthene	6000		4900	ug/Kg	82				44	125	
Benidine	12000		7700	ug/Kg	64				10	119	
Pyrene	6000		5400	ug/Kg	90				26	142	
Butylbenzylphthalate	6000		5800	ug/Kg	97				64	126	
3,3-Dichlorobenzidine	6000		5100	ug/Kg	85				33	116	
Benzo(a)anthracene	6000		6300	ug/Kg	105				71	114	
Chrysene	6000		6200	ug/Kg	103				57	121	
bis(2-Ethylhexyl)phthalate	6000		5900	ug/Kg	98				42	169	
Di-n-octyl phthalate	6000		7800	ug/Kg	130				23	175	
Benzo(b)fluoranthene	6000		6000	ug/Kg	100				67	121	
Benzo(k)fluoranthene	6000		5700	ug/Kg	95				57	134	
Benzo(a)pyrene	6000		6600	ug/Kg	110				70	142	
Indeno(1,2,3-cd)pyrene	6000		6300	ug/Kg	105				40	129	
Dibenz(a,h)anthracene	6000		6300	ug/Kg	105				43	123	
Benzo(g,h,i)perylene	6000	370	4900	ug/Kg	76				24	125	
1,2,4,5-Tetrachlorobenzene	6000		6500	ug/Kg	108				69	124	
1,4-Dioxane	6000		5100	ug/Kg	85				46	112	
2,3,4,6-Tetrachlorophenol	6000		6400	ug/Kg	107				69	112	
1-Methylnaphthalene	6000		5700	ug/Kg	95				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3707-03MSD		Client Sample ID: S-929-K1-SO-0-0.5-082024MSD		DataFile: BF139153.D							
n-Nitrosodimethylamine	6000		5600	ug/Kg	93		1		66	124	20
Pyridine	6000		5500	ug/Kg	92		2		45	119	20
Benzaldehyde	6000		4000	ug/Kg	67		3		10	86	20
Aniline	6000		5500	ug/Kg	92	*	0		10	88	20
Phenol	6000		6100	ug/Kg	102		4		67	126	20
bis(2-Chloroethyl)ether	6000		5500	ug/Kg	92		0		54	125	20
2-Chlorophenol	6000		6100	ug/Kg	102		0		79	107	20
1,2-Dichlorobenzene	6000		6000	ug/Kg	100		3		61	105	20
1,3-Dichlorobenzene	6000		5700	ug/Kg	95		2		62	101	20
1,4-Dichlorobenzene	6000		5800	ug/Kg	97		2		63	104	20
Benzyl Alcohol	6000		6200	ug/Kg	103		3		47	126	20
2-Methylphenol	6000		6000	ug/Kg	100		2		66	122	20
2,2-oxybis(1-Chloropropane)	6000		5900	ug/Kg	98		0		65	110	20
Acetophenone	6000		6000	ug/Kg	100		3		75	111	20
3+4-Methylphenols	6000		6000	ug/Kg	100		3		66	104	20
N-Nitroso-di-n-propylamine	6000		5800	ug/Kg	97		4		59	119	20
Hexachloroethane	6000		5900	ug/Kg	98		0		65	117	20
Nitrobenzene	6000		6700	ug/Kg	112		2		70	119	20
Isophorone	6000		6200	ug/Kg	103		1		76	122	20
2-Nitrophenol	6000		7600	ug/Kg	127		3		54	145	20
2,4-Dimethylphenol	6000		7300	ug/Kg	122		3		44	135	20
bis(2-Chloroethoxy)methane	6000		6000	ug/Kg	100		3		68	112	20
2,4-Dichlorophenol	6000		6200	ug/Kg	103		1		72	118	20
1,2,4-Trichlorobenzene	6000		5700	ug/Kg	95		2		57	103	20
Benzoic acid	6000		6000	ug/Kg	100		5		50	104	20
Naphthalene	6000		6000	ug/Kg	100		3		72	110	20
4-Chloroaniline	6000		2100	ug/Kg	35		6		10	91	20
Hexachlorobutadiene	6000		5900	ug/Kg	98		1		66	114	20
Caprolactam	6000		5800	ug/Kg	97		4		51	134	20
4-Chloro-3-methylphenol	6000		6200	ug/Kg	103		5		57	132	20
2-Methylnaphthalene	6000		6100	ug/Kg	102		4		59	123	20
Hexachlorocyclopentadiene	12000		23200	ug/Kg	193	*	3		10	175	20
2,4,6-Trichlorophenol	6000		6500	ug/Kg	108		3		72	117	20
2,4,5-Trichlorophenol	6000		6400	ug/Kg	107		4		72	117	20
1,1-Biphenyl	6000		6500	ug/Kg	108		5		75	113	20
2-Chloronaphthalene	6000		6200	ug/Kg	103		3		67	118	20
2-Nitroaniline	6000		7000	ug/Kg	117		4		69	127	20
Dimethylphthalate	6000		6600	ug/Kg	110		5		70	113	20
Acenaphthylene	6000		6700	ug/Kg	112		5		79	118	20
2,6-Dinitrotoluene	6000		6900	ug/Kg	115		4		70	125	20
3-Nitroaniline	6000		4100	ug/Kg	68		0		30	99	20
Acenaphthene	6000		7100	ug/Kg	118		4		70	121	20
Total PAH	96000	0	98300	ug/Kg	102		2		70	121	20
2,4-Dinitrophenol	12000		12900	ug/Kg	108		5		10	155	20
4-Nitrophenol	12000		12300	ug/Kg	103		5		45	133	20
Dibenzofuran	6000		6300	ug/Kg	105		3		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	12000		14000	ug/Kg	117		4		55	128	20
2,4-Dinitrotoluene	6000		7100	ug/Kg	118		4		55	128	20
Diethylphthalate	6000		6400	ug/Kg	107		7		70	112	20
4-Chlorophenyl-phenylether	6000		6200	ug/Kg	103		5		71	108	20
Fluorene	6000		6100	ug/Kg	102		4		68	116	20
4-Nitroaniline	6000		5700	ug/Kg	95		3		55	120	20
4,6-Dinitro-2-methylphenol	6000		8500	ug/Kg	142		4		10	160	20
N-Nitrosodiphenylamine	6000		6900	ug/Kg	115		3		73	118	20
Azobenzene	6000		6100	ug/Kg	102		4		73	110	20
4-Bromophenyl-phenylether	6000		6900	ug/Kg	115		3		65	121	20
Hexachlorobenzene	6000		6800	ug/Kg	113		5		67	118	20
Atrazine	6000		6800	ug/Kg	113		1		79	127	20
Pentachlorophenol	12000		11800	ug/Kg	98		0		47	128	20
Phenanthrene	6000		6300	ug/Kg	105		2		52	128	20
Anthracene	6000		6600	ug/Kg	110		3		62	124	20
Carbazole	6000		5300	ug/Kg	88		3		59	119	20
Di-n-butylphthalate	6000		6000	ug/Kg	100		5		69	118	20
Fluoranthene	6000		5100	ug/Kg	85		4		44	125	20
Benzydine	12000		8000	ug/Kg	67		5		10	119	20
Pyrene	6000		5500	ug/Kg	92		2		26	142	20
Butylbenzylphthalate	6000		5900	ug/Kg	98		1		64	126	20
3,3-Dichlorobenzidine	6000		5000	ug/Kg	83		2		33	116	20
Benzo(a)anthracene	6000		6400	ug/Kg	107		2		71	114	20
Chrysene	6000		6300	ug/Kg	105		2		57	121	20
bis(2-Ethylhexyl)phthalate	6000		6000	ug/Kg	100		2		42	169	20
Di-n-octyl phthalate	6000		7900	ug/Kg	132		2		23	175	20
Benzo(b)fluoranthene	6000		6100	ug/Kg	102		2		67	121	20
Benzo(k)fluoranthene	6000		5800	ug/Kg	97		2		57	134	20
Benzo(a)pyrene	6000		6700	ug/Kg	112		2		70	142	20
Indeno(1,2,3-cd)pyrene	6000		6400	ug/Kg	107		2		40	129	20
Dibenz(a,h)anthracene	6000		6300	ug/Kg	105		0		43	123	20
Benzo(g,h,i)perylene	6000	370	4900	ug/Kg	76		0		24	125	20
1,2,4,5-Tetrachlorobenzene	6000		6700	ug/Kg	112		4		69	124	20
1,4-Dioxane	6000		5300	ug/Kg	88		3		46	112	20
2,3,4,6-Tetrachlorophenol	6000		6700	ug/Kg	112		5		69	112	20
1-Methylnaphthalene	6000		5800	ug/Kg	97		2		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF082324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3669-05	20430	BF139142.D	2-Fluorophenol	150	137.68	92		10	139
			Phenol-d6	150	137.22	91		10	134
			Nitrobenzene-d5	100	124.39	124		49	133
			2-Fluorobiphenyl	100	102.16	102		52	132
			2,4,6-Tribromophenol	150	171.42	114		44	137
			Terphenyl-d14	100	113.49	113		48	125
P3669-05MS	20430MS	BF139143.D	2-Fluorophenol	150	130.76	87		10	139
			Phenol-d6	150	129.94	87		10	134
			Nitrobenzene-d5	100	128.09	128		49	133
			2-Fluorobiphenyl	100	104.20	104		52	132
			2,4,6-Tribromophenol	150	163.76	109		44	137
			Terphenyl-d14	100	102.32	102		48	125
P3669-05MSD	20430MSD	BF139144.D	2-Fluorophenol	150	128.24	85		10	139
			Phenol-d6	150	127.43	85		10	134
			Nitrobenzene-d5	100	124.33	124		49	133
			2-Fluorobiphenyl	100	101.20	101		52	132
			2,4,6-Tribromophenol	150	161.42	108		44	137
			Terphenyl-d14	100	102.73	103		48	125
P3685-02	Stock Pile-1	BF139145.D	2-Fluorophenol	150	124.81	83		10	139
			Phenol-d6	150	111.79	75		10	134
			Nitrobenzene-d5	100	130.64	131		49	133
			2-Fluorobiphenyl	100	102.40	102		52	132
			2,4,6-Tribromophenol	150	169.48	113		44	137
			Terphenyl-d14	100	117.07	117		48	125
P3685-04	Stock Pile-2	BF139146.D	2-Fluorophenol	150	131.48	88		10	139
			Phenol-d6	150	120.38	80		10	134
			Nitrobenzene-d5	100	133.88	134	*	49	133
			2-Fluorobiphenyl	100	107.61	108		52	132
			2,4,6-Tribromophenol	150	173.65	116		44	137
			Terphenyl-d14	100	116.26	116		48	125
P3689-01	WC-1	BF139147.D	2-Fluorophenol	150	112.58	75		10	139
			Phenol-d6	150	106.46	71		10	134
			Nitrobenzene-d5	100	110.94	111		49	133
			2-Fluorobiphenyl	100	87.92	88		52	132
			2,4,6-Tribromophenol	150	152.18	101		44	137
			Terphenyl-d14	100	103.24	103		48	125
P3694-02	Kingsland-Driveway	BF139148.D	2-Fluorophenol	150	109.40	73		10	139
			Phenol-d6	150	104.95	70		10	134
			Nitrobenzene-d5	100	107.78	108		49	133
			2-Fluorobiphenyl	100	86.86	87		52	132
			2,4,6-Tribromophenol	150	160.39	107		44	137
			Terphenyl-d14	100	107.86	108		48	125
P3704-03	LNG-Soil Pile	BF139149.D	2-Fluorophenol	150	111.10	74		10	139
			Phenol-d6	150	105.37	70		10	134
			Nitrobenzene-d5	100	108.64	109		49	133
			2-Fluorobiphenyl	100	87.22	87		52	132
			2,4,6-Tribromophenol	150	151.28	101		44	137
			Terphenyl-d14	100	99.25	99		48	125
PB162871TB	PB162871TB	BF139140.D	2-Fluorophenol	150	125.73	84		10	139

Surrogate Summary

SW-846

SDG No.: **BF082324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162871TB	PB162871TB	BF139140.D	Phenol-d6	150	128.16	85		10	134
			Nitrobenzene-d5	100	114.66	115		49	133
			2-Fluorobiphenyl	100	91.05	91		52	132
			2,4,6-Tribromophenol	150	157.84	105		44	137
			Terphenyl-d14	100	94.62	95		48	125
PB162890TB	PB162890TB	BF139141.D	2-Fluorophenol	150	125.87	84		10	139
			Phenol-d6	150	129.11	86		10	134
			Nitrobenzene-d5	100	113.15	113		49	133
			2-Fluorobiphenyl	100	91.71	92		52	132
			2,4,6-Tribromophenol	150	158.38	106		44	137
PB162917BL	PB162917BL	BF139138.D	Terphenyl-d14	100	94.27	94		48	125
			2-Fluorophenol	150	115.26	77		10	139
			Phenol-d6	150	115.28	77		10	134
			Nitrobenzene-d5	100	100.71	101		49	133
			2-Fluorobiphenyl	100	79.80	80		52	132
PB162917BS	PB162917BS	BF139139.D	2,4,6-Tribromophenol	150	144.53	96		44	137
			Terphenyl-d14	100	81.43	81		48	125
			2-Fluorophenol	150	116.64	78		10	139
			Phenol-d6	150	118.14	79		10	134
			Nitrobenzene-d5	100	101.63	102		49	133
			2-Fluorobiphenyl	100	78.13	78		52	132
			2,4,6-Tribromophenol	150	143.03	95		44	137
			Terphenyl-d14	100	101.63	102		48	125

Surrogate Summary

SW-846

SDG No.: **BF082324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3707-01	S-929-K1-SO-0-0.5 BF139151.D		2-Fluorophenol	150	83.04	55		18	112
			Phenol-d6	150	87.34	58		15	107
			Nitrobenzene-d5	100	81.68	82		18	107
			2-Fluorobiphenyl	100	52.28	52		20	109
			2,4,6-Tribromophenol	150	82.22	55		10	116
			Terphenyl-d14	100	35.23	35		10	105
P3707-02MS	S-929-K1-SO-0-0.5 BF139152.D		2-Fluorophenol	150	80.54	54		18	112
			Phenol-d6	150	83.87	56		15	107
			Nitrobenzene-d5	100	78.74	79		18	107
			2-Fluorobiphenyl	100	49.03	49		20	109
			2,4,6-Tribromophenol	150	79.74	53		10	116
			Terphenyl-d14	100	34.48	34		10	105
P3707-03MSD	S-929-K1-SO-0-0.5 BF139153.D		2-Fluorophenol	150	81.64	54		18	112
			Phenol-d6	150	86.36	58		15	107
			Nitrobenzene-d5	100	81.69	82		18	107
			2-Fluorobiphenyl	100	50.58	51		20	109
			2,4,6-Tribromophenol	150	84.18	56		10	116
			Terphenyl-d14	100	35.33	35		10	105
P3707-04	S-929-K1-SO-0.5-1 BF139154.D		2-Fluorophenol	150	70.02	47		18	112
			Phenol-d6	150	72.85	49		15	107
			Nitrobenzene-d5	100	69.84	70		18	107
			2-Fluorobiphenyl	100	39.28	39		20	109
			2,4,6-Tribromophenol	150	64.07	43		10	116
			Terphenyl-d14	100	25.92	26		10	105
P3707-05	S-913-K1-SO-0-0.5 BF139155.D		2-Fluorophenol	150	83.01	55		18	112
			Phenol-d6	150	84.37	56		15	107
			Nitrobenzene-d5	100	75.76	76		18	107
			2-Fluorobiphenyl	100	62.85	63		20	109
			2,4,6-Tribromophenol	150	85.74	57		10	116
			Terphenyl-d14	100	47.19	47		10	105
P3707-06	S-913-K1-SO-0.5-1 BF139150.D		2-Fluorophenol	150	64.55	43		18	112
			Phenol-d6	150	65.96	44		15	107
			Nitrobenzene-d5	100	57.06	57		18	107
			2-Fluorobiphenyl	100	45.68	46		20	109
			2,4,6-Tribromophenol	150	65.87	44		10	116
			Terphenyl-d14	100	46.68	47		10	105
P3707-07	S-930-K1-SO-0-0.5 BF139157.D		2-Fluorophenol	150	69.01	46		18	112
			Phenol-d6	150	68.90	46		15	107
			Nitrobenzene-d5	100	62.35	62		18	107
			2-Fluorobiphenyl	100	47.37	47		20	109
			2,4,6-Tribromophenol	150	63.61	42		10	116
			Terphenyl-d14	100	31.41	31		10	105
P3707-08	S-930-K1-SO-0.5-1 BF139156.D		2-Fluorophenol	150	74.31	50		18	112
			Phenol-d6	150	75.23	50		15	107
			Nitrobenzene-d5	100	67.09	67		18	107
			2-Fluorobiphenyl	100	56.89	57		20	109
			2,4,6-Tribromophenol	150	68.57	46		10	116
			Terphenyl-d14	100	39.15	39		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF082324

Lab Code: CHEM

SAS No.: BF082324 SDG NO.: BF082324

Lab File ID: BF139136.D

DFTPP Injection Date: 08/23/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.3
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	40.5
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	46.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	29.6
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	99.3
443	15.0 - 24.0% of mass 442	19.1 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139137.D	08/23/2024	10:13
PB162917BL	PB162917BL	BF139138.D	08/23/2024	10:42
PB162917BS	PB162917BS	BF139139.D	08/23/2024	11:12
PB162871TB	PB162871TB	BF139140.D	08/23/2024	11:41
PB162890TB	PB162890TB	BF139141.D	08/23/2024	12:11
20430	P3669-05	BF139142.D	08/23/2024	12:44
20430MS	P3669-05MS	BF139143.D	08/23/2024	13:14
20430MSD	P3669-05MSD	BF139144.D	08/23/2024	13:44
Stock Pile-1	P3685-02	BF139145.D	08/23/2024	14:13
Stock Pile-2	P3685-04	BF139146.D	08/23/2024	14:43
WC-1	P3689-01	BF139147.D	08/23/2024	15:12
Kingsland-Driveway	P3694-02	BF139148.D	08/23/2024	15:42
LNG-Soil Pile	P3704-03	BF139149.D	08/23/2024	16:12
S-913-K1-SO-0.5-1-082024	P3707-06	BF139150.D	08/23/2024	16:43
S-929-K1-SO-0-0.5-082024	P3707-01	BF139151.D	08/23/2024	17:13
S-929-K1-SO-0-0.5-082024MS	P3707-02MS	BF139152.D	08/23/2024	17:43
S-929-K1-SO-0-0.5-082024MSD	P3707-03MSD	BF139153.D	08/23/2024	18:14
S-929-K1-SO-0.5-1-082024	P3707-04	BF139154.D	08/23/2024	18:44

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF082324

Lab Code: CHEM

SAS No.: BF082324

SDG NO.: BF082324

Lab File ID: BF139136.D

DFTPP Injection Date: 08/23/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.3
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	40.5
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	46.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	29.6
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	99.3
443	15.0 - 24.0% of mass 442	19.1 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
S-913-K1-SO-0-0.5-082024	P3707-05	BF139155.D	08/23/2024	19:15
S-930-K1-SO-0.5-1-082024	P3707-08	BF139156.D	08/23/2024	19:45
S-930-K1-SO-0-0.5-082024	P3707-07	BF139157.D	08/23/2024	20:15