

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF102224 SAS No.: BF102224 SDG No.: BF102224

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 : 09:39

Lab File ID: BF139917.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	0.793	0.733		-7.566	
Pyridine	1.476	1.403		-4.946	
2-Fluorophenol	1.278	1.261		-1.33	
Benzaldehyde	0.931	0.912		-2.041	
Aniline	1.542	1.510		-2.075	
Phenol-d6	1.655	1.609		-2.779	
Phenol	1.706	1.663		-2.521	20.0
bis(2-Chloroethyl)ether	1.319	1.282		-2.805	
2-Chlorophenol	1.306	1.309		0.23	
1,2-Dichlorobenzene	1.398	1.406		0.572	
1,3-Dichlorobenzene	1.499	1.497		-0.133	
1,4-Dichlorobenzene	1.498	1.509		0.734	20.0
Benzyl Alcohol	1.214	1.201		-1.071	
2-Methylphenol	1.114	1.094		-1.795	
2,2-oxybis(1-Chloropropane)	2.248	2.110		-6.139	
Acetophenone	0.490	0.478		-2.449	
3+4-Methylphenols	1.424	1.403		-1.475	
n-Nitroso-di-n-propylamine	1.004	0.945	0.050	-5.876	
Nitrobenzene-d5	0.361	0.380		5.263	
Hexachloroethane	0.534	0.540		1.124	
Nitrobenzene	0.396	0.402		1.515	
Isophorone	0.685	0.670		-2.19	
2-Nitrophenol	0.149	0.173		16.107	20.0
2,4-Dimethylphenol	0.249	0.244		-2.008	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.169	
2,4-Dichlorophenol	0.283	0.288		1.767	20.0
1,2,4-Trichlorobenzene	0.314	0.320		1.911	
Benzoic acid	0.217	0.241		11.06	
Naphthalene	1.031	1.032		0.097	
4-Chloroaniline	0.352	0.351		-0.284	
Hexachlorobutadiene	0.197	0.204		3.553	20.0
Caprolactam	0.090	0.089		-1.111	
4-Chloro-3-methylphenol	0.314	0.312		-0.637	20.0
2-Methylnaphthalene	0.632	0.628		-0.633	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.426	
2,4,6-Trichlorophenol	0.382	0.408		6.806	20.0
2-Fluorobiphenyl	1.210	1.182		-2.314	
2,4,5-Trichlorophenol	0.394	0.398		1.015	
1,1-Biphenyl	1.392	1.379		-0.934	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.121	1.123		0.178	
2-Nitroaniline	0.343	0.368		7.289	
Dimethylphthalate	1.246	1.243		-0.241	
Acenaphthylene	1.621	1.606		-0.925	
2,6-Dinitrotoluene	0.270	0.288		6.667	
3-Nitroaniline	0.278	0.290		4.317	
Acenaphthene	1.049	1.063		1.335	20.0
2,4-Dinitrophenol	0.093	0.135	0.050	45.161	
4-Nitrophenol	0.214	0.236	0.050	10.28	
Dibenzofuran	1.505	1.486		-1.262	
2,4-Dinitrotoluene	0.332	0.383		15.361	
Diethylphthalate	1.223	1.207		-1.308	
4-Chlorophenyl-phenylether	0.579	0.588		1.554	
Fluorene	1.146	1.131		-1.309	
4-Nitroaniline	0.263	0.284		7.985	
4,6-Dinitro-2-methylphenol	0.082	0.110		34.146	
n-Nitrosodiphenylamine	0.599	0.590		-1.503	20.0
Azobenzene	1.297	1.249		-3.701	
2,4,6-Tribromophenol	0.187	0.203		8.556	
4-Bromophenyl-phenylether	0.206	0.210		1.942	
Hexachlorobenzene	0.232	0.234		0.862	
Atrazine	0.162	0.167		3.086	
Pentachlorophenol	0.141	0.161		14.184	20.0
Phenanthrene	0.945	0.922		-2.434	
Anthracene	0.922	0.911		-1.193	
Carbazole	0.857	0.835		-2.567	
Di-n-butylphthalate	0.990	0.962		-2.828	
Fluoranthene	0.955	0.943		-1.257	20.0
Benzidine	0.329	0.416		26.444	
Pyrene	1.751	1.947		11.194	
Terphenyl-d14	1.227	1.333		8.639	
Butylbenzylphthalate	0.525	0.554		5.524	
3,3-Dichlorobenzidine	0.380	0.418		10.0	
Benzo(a)anthracene	1.302	1.298		-0.307	
Chrysene	1.194	1.200		0.503	
Bis(2-ethylhexyl)phthalate	0.589	0.653		10.866	
Di-n-octyl phthalate	1.071	1.174		9.617	20.0
Benzo(b)fluoranthene	1.218	1.212		-0.493	
Benzo(k)fluoranthene	1.051	0.968		-7.897	

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Lab File ID: BF139917.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	1.002	1.008		0.599	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.475		14.608	
Dibenzo(a,h)anthracene	1.073	1.220		13.7	
Benzo(g,h,i)perylene	1.072	1.265		18.004	
1,2,4,5-Tetrachlorobenzene	0.540	0.546		1.111	
1,4-Dioxane	0.596	0.558		-6.376	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.325		5.178	
1-Methylnaphthalene	0.620	0.616		-0.645	

All other compounds must meet a minimum RRF of 0.010.

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF102224 SAS No.: BF102224 SDG No.: BF102224

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 : 14:28

Lab File ID: BF139927.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	0.793	0.729		-8.071	
Pyridine	1.476	1.403		-4.946	
2-Fluorophenol	1.278	1.238		-3.13	
Benzaldehyde	0.931	0.957		2.793	
Aniline	1.542	1.482		-3.891	
Phenol-d6	1.655	1.570		-5.136	
Phenol	1.706	1.639		-3.927	20.0
bis(2-Chloroethyl)ether	1.319	1.272		-3.563	
2-Chlorophenol	1.306	1.287		-1.455	
1,2-Dichlorobenzene	1.398	1.374		-1.717	
1,3-Dichlorobenzene	1.499	1.471		-1.868	
1,4-Dichlorobenzene	1.498	1.477		-1.402	20.0
Benzyl Alcohol	1.214	1.161		-4.366	
2-Methylphenol	1.114	1.070		-3.95	
2,2-oxybis(1-Chloropropane)	2.248	2.090		-7.028	
Acetophenone	0.490	0.474		-3.265	
3+4-Methylphenols	1.424	1.367		-4.003	
n-Nitroso-di-n-propylamine	1.004	0.934	0.050	-6.972	
Nitrobenzene-d5	0.361	0.377		4.432	
Hexachloroethane	0.534	0.531		-0.562	
Nitrobenzene	0.396	0.401		1.263	
Isophorone	0.685	0.658		-3.942	
2-Nitrophenol	0.149	0.178		19.463	20.0
2,4-Dimethylphenol	0.249	0.243		-2.41	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.169	
2,4-Dichlorophenol	0.283	0.285		0.707	20.0
1,2,4-Trichlorobenzene	0.314	0.321		2.229	
Benzoic acid	0.217	0.236		8.756	
Naphthalene	1.031	1.017		-1.358	
4-Chloroaniline	0.352	0.346		-1.705	
Hexachlorobutadiene	0.197	0.204		3.553	20.0
Caprolactam	0.090	0.086		-4.444	
4-Chloro-3-methylphenol	0.314	0.306		-2.548	20.0
2-Methylnaphthalene	0.632	0.625		-1.108	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.426	
2,4,6-Trichlorophenol	0.382	0.396		3.665	20.0
2-Fluorobiphenyl	1.210	1.202		-0.661	
2,4,5-Trichlorophenol	0.394	0.423		7.36	
1,1-Biphenyl	1.392	1.411		1.365	

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2-Chloronaphthalene	1.121	1.140		1.695	
2-Nitroaniline	0.343	0.368		7.289	
Dimethylphthalate	1.246	1.230		-1.284	
Acenaphthylene	1.621	1.627		0.37	
2,6-Dinitrotoluene	0.270	0.289		7.037	
3-Nitroaniline	0.278	0.287		3.237	
Acenaphthene	1.049	1.066		1.621	20.0
2,4-Dinitrophenol	0.093	0.132	0.050	41.935	
4-Nitrophenol	0.214	0.223	0.050	4.206	
Dibenzofuran	1.505	1.499		-0.399	
2,4-Dinitrotoluene	0.332	0.373		12.349	
Diethylphthalate	1.223	1.185		-3.107	
4-Chlorophenyl-phenylether	0.579	0.580		0.173	
Fluorene	1.146	1.117		-2.531	
4-Nitroaniline	0.263	0.268		1.901	
4,6-Dinitro-2-methylphenol	0.082	0.112		36.585	
n-Nitrosodiphenylamine	0.599	0.598		-0.167	20.0
Azobenzene	1.297	1.236		-4.703	
2,4,6-Tribromophenol	0.187	0.201		7.487	
4-Bromophenyl-phenylether	0.206	0.216		4.854	
Hexachlorobenzene	0.232	0.239		3.017	
Atrazine	0.162	0.155		-4.321	
Pentachlorophenol	0.141	0.160		13.475	20.0
Phenanthrene	0.945	0.925		-2.116	
Anthracene	0.922	0.916		-0.651	
Carbazole	0.857	0.810		-5.484	
Di-n-butylphthalate	0.990	0.919		-7.172	
Fluoranthene	0.955	0.874		-8.482	20.0
Benzidine	0.329	0.591		79.635	
Pyrene	1.751	1.852		5.768	
Terphenyl-d14	1.227	1.269		3.423	
Butylbenzylphthalate	0.525	0.539		2.667	
3,3-Dichlorobenzidine	0.380	0.452		18.947	
Benzo(a)anthracene	1.302	1.303		0.077	
Chrysene	1.194	1.167		-2.261	
Bis(2-ethylhexyl)phthalate	0.589	0.693		17.657	
Di-n-octyl phthalate	1.071	1.312		22.502	20.0
Benzo(b)fluoranthene	1.218	1.229		0.903	
Benzo(k)fluoranthene	1.051	0.899		-14.462	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.002	1.008		0.599	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.437		11.655	
Dibenzo(a,h)anthracene	1.073	1.186		10.531	
Benzo(g,h,i)perylene	1.072	1.213		13.153	
1,2,4,5-Tetrachlorobenzene	0.540	0.557		3.148	
1,4-Dioxane	0.596	0.561		-5.872	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.321		3.883	
1-Methylnaphthalene	0.620	0.613		-1.129	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BL	SDG No.:	BF102224
Lab Sample ID:	PB164152BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139918.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	270	330	ug/Kg
110-86-1	Pyridine	79.8	U	79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.8	U	96.8	130	170	ug/Kg
108-95-2	Phenol	82.8	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.5	U	84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.9	U	85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.4	U	86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.9	U	82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.3	U	85.3	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BL	SDG No.:	BF102224
Lab Sample ID:	PB164152BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139918.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BL	SDG No.:	BF102224
Lab Sample ID:	PB164152BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139918.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120.909		18-112		81	SPK: -150
13127-88-3	Phenol-d6	117.709		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	88.764		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	84.305		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BL	SDG No.:	BF102224
Lab Sample ID:	PB164152BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139918.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.873		10-116		93	SPK: -150
1718-51-0	Terphenyl-d14	78.379		10-105		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172111	6.892				
1146-65-2	Naphthalene-d8	677974	8.169				
15067-26-2	Acenaphthene-d10	382757	9.927				
1517-22-2	Phenanthrene-d10	694413	11.416				
1719-03-5	Chrysene-d12	463918	14.051				
1520-96-3	Perylene-d12	350902	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	150	J			2.24	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A			5.134	

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BS	SDG No.:	BF102224
Lab Sample ID:	PB164152BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BF139919.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.8	270	330	ug/Kg
110-86-1	Pyridine	1200		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	530		180	270	330	ug/Kg
62-53-3	Aniline	1400		96.9	130	170	ug/Kg
108-95-2	Phenol	1400		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	860		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BS	SDG No.:	BF102224
Lab Sample ID:	PB164152BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139919.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	130	170	ug/Kg
Total PAH	Total PAH	24100		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1400		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85	130	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BS	SDG No.:	BF102224
Lab Sample ID:	PB164152BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139919.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3000	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1500		84.4	130	170	ug/Kg
86-74-8	Carbazole	1400		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	130	170	ug/Kg
92-87-5	Benzidine	1900		160	270	330	ug/Kg
129-00-0	Pyrene	1600		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	130	170	ug/Kg
218-01-9	Chrysene	1500		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.996		18-112		77	SPK: -150
13127-88-3	Phenol-d6	113.859		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	87.261		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	82.538		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164152BS	SDG No.:	BF102224
Lab Sample ID:	PB164152BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139919.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.05		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	98.679		10-105		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162299	6.893				
1146-65-2	Naphthalene-d8	620667	8.175				
15067-26-2	Acenaphthene-d10	346872	9.928				
1517-22-2	Phenanthrene-d10	608883	11.416				
1719-03-5	Chrysene-d12	289688	14.057				
1520-96-3	Perylene-d12	337140	15.533				

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BL	SDG No.:	BF102224
Lab Sample ID:	PB164071BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BF139920.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BL	SDG No.:	BF102224
Lab Sample ID:	PB164071BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139920.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BL	SDG No.:	BF102224
Lab Sample ID:	PB164071BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139920.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134.553		18-112		90	SPK: -150
13127-88-3	Phenol-d6	131.953		15-107		88	SPK: -150
4165-60-0	Nitrobenzene-d5	98.933		18-107		99	SPK: -100
321-60-8	2-Fluorobiphenyl	93.607		20-109		94	SPK: -100

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BL	SDG No.:	BF102224
Lab Sample ID:	PB164071BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139920.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	150.329		10-116		100	SPK: -150
1718-51-0	Terphenyl-d14	89.996		10-105		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150261	6.892				
1146-65-2	Naphthalene-d8	593957	8.169				
15067-26-2	Acenaphthene-d10	338069	9.928				
1517-22-2	Phenanthrene-d10	611789	11.41				
1719-03-5	Chrysene-d12	390858	14.051				
1520-96-3	Perylene-d12	293996	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J			2.24	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A			5.134	

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BS	SDG No.:	BF102224
Lab Sample ID:	PB164071BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139921.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1400		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	640		180	270	330	ug/Kg
62-53-3	Aniline	1400		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1700		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.7	130	170	ug/Kg
78-59-1	Isophorone	1700		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1700		240	270	330	ug/Kg
91-20-3	Naphthalene	1600		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	670		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BS	SDG No.:	BF102224
Lab Sample ID:	PB164071BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139921.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6200	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1800		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1800		81	130	170	ug/Kg
Total PAH	Total PAH	28100		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3600		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BS	SDG No.:	BF102224
Lab Sample ID:	PB164071BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139921.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3400	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	130	170	ug/Kg
120-12-7	Anthracene	1700		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	130	170	ug/Kg
92-87-5	Benzidine	1800		160	270	330	ug/Kg
129-00-0	Pyrene	1900		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.6	130	170	ug/Kg
218-01-9	Chrysene	1800		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1600		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	135.304		18-112		90	SPK: -150
13127-88-3	Phenol-d6	132.196		15-107		88	SPK: -150
4165-60-0	Nitrobenzene-d5	98.855		18-107		99	SPK: -100
321-60-8	2-Fluorobiphenyl	93.274		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164071BS	SDG No.:	BF102224
Lab Sample ID:	PB164071BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139921.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	153.975		10-116		103	SPK: -150
1718-51-0	Terphenyl-d14	112.911	*	10-105		113	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149304	6.893				
1146-65-2	Naphthalene-d8	587812	8.175				
15067-26-2	Acenaphthene-d10	331508	9.934				
1517-22-2	Phenanthrene-d10	575136	11.416				
1719-03-5	Chrysene-d12	270065	14.057				
1520-96-3	Perylene-d12	308770	15.533				

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BL	SDG No.:	BF102224
Lab Sample ID:	PB164176BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BF139922.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BL	SDG No.:	BF102224
Lab Sample ID:	PB164176BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BF139922.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BL	SDG No.:	BF102224
Lab Sample ID:	PB164176BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139922.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.269		18-112		84	SPK: -150
13127-88-3	Phenol-d6	122.307		15-107		82	SPK: -150
4165-60-0	Nitrobenzene-d5	92.288		18-107		92	SPK: -100
321-60-8	2-Fluorobiphenyl	86.28		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BL	SDG No.:	BF102224
Lab Sample ID:	PB164176BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF139922.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.601		10-116		94	SPK: -150
1718-51-0	Terphenyl-d14	85.503		10-105		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162938	6.893				
1146-65-2	Naphthalene-d8	637514	8.169				
15067-26-2	Acenaphthene-d10	364122	9.928				
1517-22-2	Phenanthrene-d10	656273	11.41				
1719-03-5	Chrysene-d12	410355	14.051				
1520-96-3	Perylene-d12	318222	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	150	J			2.234	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A			5.134	

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BS	SDG No.:	BF102224
Lab Sample ID:	PB164176BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139923.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.7	270	330	ug/Kg
110-86-1	Pyridine	1300		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	520		180	270	330	ug/Kg
62-53-3	Aniline	1400		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	620		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BS	SDG No.:	BF102224
Lab Sample ID:	PB164176BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139923.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5800	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	940		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81	130	170	ug/Kg
Total PAH	Total PAH	25500		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3900	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1800		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BS	SDG No.:	BF102224
Lab Sample ID:	PB164176BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139923.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3100	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	1800		160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124.104		18-112		83	SPK: -150
13127-88-3	Phenol-d6	120.298		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	93.027		18-107		93	SPK: -100
321-60-8	2-Fluorobiphenyl	87.188		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	PB164176BS	SDG No.:	BF102224
Lab Sample ID:	PB164176BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139923.D	1	10/16/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164176

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	143.789		10-116		96	SPK: -150
1718-51-0	Terphenyl-d14	104.249		10-105		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	165542	6.893				
1146-65-2	Naphthalene-d8	634379	8.175				
15067-26-2	Acenaphthene-d10	355350	9.928				
1517-22-2	Phenanthrene-d10	625992	11.416				
1719-03-5	Chrysene-d12	293284	14.057				
1520-96-3	Perylene-d12	338967	15.533				

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BL	SDG No.:	BF102224
Lab Sample ID:	PB164246BL	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
BF139924.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BL	SDG No.:	BF102224
Lab Sample ID:	PB164246BL	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
BF139924.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	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:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BL	SDG No.:	BF102224
Lab Sample ID:	PB164246BL	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
BF139924.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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	133.755		10-139		89	SPK: -150
13127-88-3	Phenol-d6	130.643		10-134		87	SPK: -150
4165-60-0	Nitrobenzene-d5	98.223		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	92.414		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BL	SDG No.:	BF102224
Lab Sample ID:	PB164246BL	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
BF139924.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	148.265		44-137		99	SPK: -150
1718-51-0	Terphenyl-d14	96.793		48-125		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149368	6.892				
1146-65-2	Naphthalene-d8	584470	8.169				
15067-26-2	Acenaphthene-d10	333046	9.927				
1517-22-2	Phenanthrene-d10	597687	11.41				
1719-03-5	Chrysene-d12	352121	14.051				
1520-96-3	Perylene-d12	296042	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3	J			2.24	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.4	A			5.134	

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BS	SDG No.:	BF102224
Lab Sample ID:	PB164246BS	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
BF139925.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.8		1	8	10	ug/L
110-86-1	Pyridine	39.1		1.6	4	5	ug/L
100-52-7	Benzaldehyde	16		4	8	10	ug/L
62-53-3	Aniline	41.4		1.6	4	5	ug/L
108-95-2	Phenol	46.2		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.1		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47.1		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.9		1.4	4	5	ug/L
98-86-2	Acetophenone	44.7		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	45.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.6		1	4	5	ug/L
98-95-3	Nitrobenzene	44.7		1.3	4	5	ug/L
78-59-1	Isophorone	47		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	55.7		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	54.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.3		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	47.3		5.5	8	10	ug/L
91-20-3	Naphthalene	45.3		1	4	5	ug/L
106-47-8	4-Chloroaniline	17.2		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	46.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BS	SDG No.:	BF102224
Lab Sample ID:	PB164246BS	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
BF139925.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	48.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46.7		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	180	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48.9		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.8		1	4	5	ug/L
92-52-4	1,1-Biphenyl	45.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	45		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	48		0.93	4	5	ug/L
208-96-8	Acenaphthylene	49		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.2		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29		1.4	4	5	ug/L
83-32-9	Acenaphthene	52.2		0.81	4	5	ug/L
Total PAH	Total PAH	795.9		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	46.9		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	43.2		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	54		1.5	4	5	ug/L
84-66-2	Diethylphthalate	47		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.8		0.98	4	5	ug/L
86-73-7	Fluorene	46.5		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	49.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	67.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.5		0.89	4	5	ug/L
103-33-3	Azobenzene	46.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.6		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.1		1.1	4	5	ug/L
1912-24-9	Atrazine	55.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BS	SDG No.:	BF102224
Lab Sample ID:	PB164246BS	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
BF139925.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.8	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	47.6		0.89	4	5	ug/L
120-12-7	Anthracene	49.2		1.1	4	5	ug/L
86-74-8	Carbazole	45.6		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	45.6		1.3	4	5	ug/L
92-87-5	Benzidine	51.8		4.1	8	10	ug/L
129-00-0	Pyrene	53.1		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	52.9		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	32.4		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	49.4		0.94	4	5	ug/L
218-01-9	Chrysene	49.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	56.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	57.5		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	52.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.9		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	54.7		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	51.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	36.2		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	44		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.891		10-139		85	SPK: -150
13127-88-3	Phenol-d6	124.159		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	94.827		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	89.869		52-132		90	SPK: -100

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PB164246BS	SDG No.:	BF102224
Lab Sample ID:	PB164246BS	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
BF139925.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	150.466		44-137		100	SPK: -150
1718-51-0	Terphenyl-d14	107.232		48-125		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164776	6.892				
1146-65-2	Naphthalene-d8	634121	8.175				
15067-26-2	Acenaphthene-d10	351756	9.933				
1517-22-2	Phenanthrene-d10	613564	11.416				
1719-03-5	Chrysene-d12	286399	14.057				
1520-96-3	Perylene-d12	336781	15.533				

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164154BL	SDG No.:	BF102224
Lab Sample ID:	PB164154BL	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
BF139928.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164154

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:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164154BL	SDG No.:	BF102224
Lab Sample ID:	PB164154BL	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
BF139928.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164154

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	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:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164154BL	SDG No.:	BF102224
Lab Sample ID:	PB164154BL	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
BF139928.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164154

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	127.447		10-139		85	SPK: -150
13127-88-3	Phenol-d6	124.782		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	95.001		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	88.883		52-132		89	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164154BL	SDG No.:	BF102224
Lab Sample ID:	PB164154BL	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
BF139928.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.549		44-137		98	SPK: -150
1718-51-0	Terphenyl-d14	93.813		48-125		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	163319	6.887				
1146-65-2	Naphthalene-d8	633200	8.169				
15067-26-2	Acenaphthene-d10	357885	9.928				
1517-22-2	Phenanthrene-d10	642786	11.41				
1719-03-5	Chrysene-d12	375705	14.051				
1520-96-3	Perylene-d12	319185	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4	J			2.24	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.2	A			5.134	

Report of Analysis

Client:				Date Collected:	10/18/2024 12:00:00 AM		
Project:				Date Received:	10/18/2024 12:00:00 AM		
Client Sample ID:	ETGI-285			SDG No.:	BF102224		
Lab Sample ID:	P4452-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139929.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	78	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	ETGI-285	SDG No.:	BF102224
Lab Sample ID:	P4452-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	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
BF139929.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	78	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
84-66-2	Diethylphthalate	48	U	48	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	78	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	ETGI-285	SDG No.:	BF102224
Lab Sample ID:	P4452-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	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
BF139929.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	27.412		18-112		18	SPK: -150
13127-88-3	Phenol-d6	47.435		15-107		32	SPK: -150
4165-60-0	Nitrobenzene-d5	63.791		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	64.516		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	ETGI-285	SDG No.:	BF102224
Lab Sample ID:	P4452-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	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
BF139929.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	5.331	*	10-116		4	SPK: -150
1718-51-0	Terphenyl-d14	51.694		10-105		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136762	6.892				
1146-65-2	Naphthalene-d8	515571	8.169				
15067-26-2	Acenaphthene-d10	275792	9.928				
1517-22-2	Phenanthrene-d10	425456	11.41				
1719-03-5	Chrysene-d12	284852	14.051				
1520-96-3	Perylene-d12	333407	15.527				

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1	SDG No.:	BF102224
Lab Sample ID:	P4419-04	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
BF139930.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1	SDG No.:	BF102224
Lab Sample ID:	P4419-04	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
BF139930.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1	SDG No.:	BF102224
Lab Sample ID:	P4419-04	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
BF139930.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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	131.659		10-139		88	SPK: -150
13127-88-3	Phenol-d6	117.829		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	110.425		49-133		110	SPK: -100
321-60-8	2-Fluorobiphenyl	99.636		52-132		100	SPK: -100

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1	SDG No.:	BF102224
Lab Sample ID:	P4419-04	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
BF139930.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	165.685		44-137		110	SPK: -150
1718-51-0	Terphenyl-d14	97.489		48-125		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141170	6.893				
1146-65-2	Naphthalene-d8	543197	8.169				
15067-26-2	Acenaphthene-d10	301482	9.928				
1517-22-2	Phenanthrene-d10	495516	11.41				
1719-03-5	Chrysene-d12	303793	14.051				
1520-96-3	Perylene-d12	338389	15.527				

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MS	SDG No.:	BF102224
Lab Sample ID:	P4419-04MS	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
BF139931.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	470		10.3	80	100	ug/L
110-86-1	Pyridine	410		15.5	40	50	ug/L
100-52-7	Benzaldehyde	91.1	J	40	80	100	ug/L
62-53-3	Aniline	200		16	40	50	ug/L
108-95-2	Phenol	450		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	510		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	530		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	490		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	470		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	480		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	530		16	80	100	ug/L
95-48-7	2-Methylphenol	510		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	500		13.5	40	50	ug/L
98-86-2	Acetophenone	510		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	510		14.8	25	25	ug/L
67-72-1	Hexachloroethane	470		10.1	40	50	ug/L
98-95-3	Nitrobenzene	510		12.7	40	50	ug/L
78-59-1	Isophorone	530		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	610		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	610		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	530		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	530		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	500		11	40	50	ug/L
65-85-0	Benzoic acid	450		54.7	80	100	ug/L
91-20-3	Naphthalene	510		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	66		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	510		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MS	SDG No.:	BF102224
Lab Sample ID:	P4419-04MS	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
BF139931.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	430		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	510		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	530		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1800	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	530		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	540		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	540		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	570		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	540		9.3	40	50	ug/L
208-96-8	Acenaphthylene	570		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	540		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	170		13.7	40	50	ug/L
83-32-9	Acenaphthene	590		8.1	40	50	ug/L
Total PAH	Total PAH	8410		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)	110		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	510		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	460		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	590		8.9	40	50	ug/L
103-33-3	Azobenzene	500		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	610		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	590		11.4	40	50	ug/L
1912-24-9	Atrazine	660		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MS	SDG No.:	BF102224
Lab Sample ID:	P4419-04MS	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
BF139931.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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	580		10.7	40	50	ug/L
86-74-8	Carbazole	520		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	570		14.7	40	50	ug/L
206-44-0	Fluoranthene	510		12.9	40	50	ug/L
92-87-5	Benzidine	180		40.7	80	100	ug/L
129-00-0	Pyrene	420		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	590		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	250		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		9.4	40	50	ug/L
218-01-9	Chrysene	560		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	730		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	750		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	570		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	520		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	600		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	480		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	480		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	410		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	550		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	430		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	540		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	500		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	137.933		10-139		92	SPK: -150
13127-88-3	Phenol-d6	127.507		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	111.457		49-133		111	SPK: -100
321-60-8	2-Fluorobiphenyl	108.748		52-132		109	SPK: -100

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MS	SDG No.:	BF102224
Lab Sample ID:	P4419-04MS	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
BF139931.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	153.747		44-137		102	SPK: -150
1718-51-0	Terphenyl-d14	87.983		48-125		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	138600	6.892				
1146-65-2	Naphthalene-d8	525254	8.175				
15067-26-2	Acenaphthene-d10	276307	9.928				
1517-22-2	Phenanthrene-d10	414563	11.416				
1719-03-5	Chrysene-d12	284603	14.057				
1520-96-3	Perylene-d12	347037	15.533				

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MSD	SDG No.:	BF102224
Lab Sample ID:	P4419-04MSD	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
BF139932.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	450		10.3	80	100	ug/L
110-86-1	Pyridine	400		15.5	40	50	ug/L
100-52-7	Benzaldehyde	91	J	40	80	100	ug/L
62-53-3	Aniline	210		16	40	50	ug/L
108-95-2	Phenol	430		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	490		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	460		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	500		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	480		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	490		14.8	25	25	ug/L
67-72-1	Hexachloroethane	460		10.1	40	50	ug/L
98-95-3	Nitrobenzene	490		12.7	40	50	ug/L
78-59-1	Isophorone	520		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	600		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	590		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	480		11	40	50	ug/L
65-85-0	Benzoic acid	440		54.7	80	100	ug/L
91-20-3	Naphthalene	500		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	80.3		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MSD	SDG No.:	BF102224
Lab Sample ID:	P4419-04MSD	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
BF139932.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	430		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	500		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	510		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1700	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	510		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	530		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	520		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	550		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	530		9.3	40	50	ug/L
208-96-8	Acenaphthylene	550		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	170		13.7	40	50	ug/L
83-32-9	Acenaphthene	570		8.1	40	50	ug/L
Total PAH	Total PAH	8150		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	920	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)	570		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	550		15.2	40	50	ug/L
84-66-2	Diethylphthalate	500		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	510		9.8	40	50	ug/L
86-73-7	Fluorene	490		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	460		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	690		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	570		8.9	40	50	ug/L
103-33-3	Azobenzene	490		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	580		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	560		11.4	40	50	ug/L
1912-24-9	Atrazine	640		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MSD	SDG No.:	BF102224
Lab Sample ID:	P4419-04MSD	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
BF139932.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

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	540		8.9	40	50	ug/L
120-12-7	Anthracene	560		10.7	40	50	ug/L
86-74-8	Carbazole	500		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	550		14.7	40	50	ug/L
206-44-0	Fluoranthene	500		12.9	40	50	ug/L
92-87-5	Benzidine	180		40.7	80	100	ug/L
129-00-0	Pyrene	410		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	570		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	250		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	700		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	730		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	560		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	510		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	460		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	460		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	390		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	530		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	420		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	520		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	490		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.304		10-139		89	SPK: -150
13127-88-3	Phenol-d6	123.962		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	108.545		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	104.435		52-132		104	SPK: -100

Report of Analysis

Client:		Date Collected:	10/16/2024 12:00:00 AM
Project:		Date Received:	10/16/2024 12:00:00 AM
Client Sample ID:	IB-1MSD	SDG No.:	BF102224
Lab Sample ID:	P4419-04MSD	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
BF139932.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	151.033		44-137		101	SPK: -150
1718-51-0	Terphenyl-d14	85.898		48-125		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	138748	6.893				
1146-65-2	Naphthalene-d8	523454	8.175				
15067-26-2	Acenaphthene-d10	277058	9.928				
1517-22-2	Phenanthrene-d10	425203	11.416				
1719-03-5	Chrysene-d12	290316	14.057				
1520-96-3	Perylene-d12	350694	15.527				

Report of Analysis

Client:				Date Collected:	10/18/2024 12:00:00 AM		
Project:				Date Received:	10/18/2024 12:00:00 AM		
Client Sample ID:	280517			SDG No.:	BF102224		
Lab Sample ID:	P4458-02			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 :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139933.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	280517	SDG No.:	BF102224
Lab Sample ID:	P4458-02	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
BF139933.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	280517	SDG No.:	BF102224
Lab Sample ID:	P4458-02	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
BF139933.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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	126.643		10-139		84	SPK: -150
13127-88-3	Phenol-d6	115.634		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	102.294		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	93.121		52-132		93	SPK: -100

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	280517	SDG No.:	BF102224
Lab Sample ID:	P4458-02	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
BF139933.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.685		44-137		98	SPK: -150
1718-51-0	Terphenyl-d14	88.09		48-125		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153847	6.893				
1146-65-2	Naphthalene-d8	601143	8.169				
15067-26-2	Acenaphthene-d10	337857	9.922				
1517-22-2	Phenanthrene-d10	547874	11.41				
1719-03-5	Chrysene-d12	340381	14.051				
1520-96-3	Perylene-d12	368693	15.527				

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-05	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
BF139934.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-05	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
BF139934.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-05	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
BF139934.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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	470		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	125.087		10-139		83	SPK: -150
13127-88-3	Phenol-d6	115.165		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	98.868		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	92.472		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-05	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
BF139934.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.835		44-137		93	SPK: -150
1718-51-0	Terphenyl-d14	84.116		48-125		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	159946	6.893				
1146-65-2	Naphthalene-d8	617451	8.169				
15067-26-2	Acenaphthene-d10	338141	9.922				
1517-22-2	Phenanthrene-d10	530553	11.41				
1719-03-5	Chrysene-d12	336688	14.051				
1520-96-3	Perylene-d12	373899	15.527				

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-10	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
BF139935.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-10	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
BF139935.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-10	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
BF139935.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

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	930	E	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	126.895		10-139		85	SPK: -150
13127-88-3	Phenol-d6	114.464		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	101.649		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	97.855		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-10	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
BF139935.D	1	10/22/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.266		44-137		93	SPK: -150
1718-51-0	Terphenyl-d14	80.999		48-125		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151455	6.892				
1146-65-2	Naphthalene-d8	577359	8.169				
15067-26-2	Acenaphthene-d10	309203	9.922				
1517-22-2	Phenanthrene-d10	475855	11.41				
1719-03-5	Chrysene-d12	325699	14.051				
1520-96-3	Perylene-d12	354964	15.527				

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BF102224
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.9
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
BF139936.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.5	U	87.5	270	330	ug/Kg
110-86-1	Pyridine	80.5	U	80.5	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	97.6	U	97.6	130	170	ug/Kg
108-95-2	Phenol	83.5	U	83.5	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	84.3	U	84.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	84.1	U	84.1	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	85.3	U	85.3	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86.7	U	86.7	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	87.2	U	87.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83.6	U	83.6	270	330	ug/Kg
95-48-7	2-Methylphenol	81.2	U	81.2	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	91.6	U	91.6	130	170	ug/Kg
98-86-2	Acetophenone	87.6	U	87.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	80.4	U	80.4	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.6	U	40.6	80.6	80.6	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	130	170	ug/Kg
98-95-3	Nitrobenzene	91.5	U	91.5	130	170	ug/Kg
78-59-1	Isophorone	85.3	U	85.3	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.2	U	95.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.9	U	93.9	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	86.5	U	86.5	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.1	U	76.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	86.1	U	86.1	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	83.2	U	83.2	130	170	ug/Kg
106-47-8	4-Chloroaniline	83.2	U	83.2	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BF102224
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.9
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
BF139936.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	87.5	U	87.5	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.1	U	78.1	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.1	U	83.1	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72	U	72	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.6	U	74.6	130	170	ug/Kg
92-52-4	1,1-Biphenyl	88.1	U	88.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.9	U	83.9	130	170	ug/Kg
88-74-4	2-Nitroaniline	95.7	U	95.7	130	170	ug/Kg
131-11-3	Dimethylphthalate	82.3	U	82.3	130	170	ug/Kg
208-96-8	Acenaphthylene	87.2	U	87.2	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.8	U	83.8	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.9	U	89.9	130	170	ug/Kg
83-32-9	Acenaphthene	81.7	U	81.7	130	170	ug/Kg
Total PAH	Total PAH	1335.2	U	1335.2	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	85.1	U	85.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	70.7	U	170.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.9	U	86.9	130	170	ug/Kg
84-66-2	Diethylphthalate	80.7	U	80.7	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	86.3	U	86.3	130	170	ug/Kg
86-73-7	Fluorene	86.2	U	86.2	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.2	U	82.2	130	170	ug/Kg
103-33-3	Azobenzene	80.2	U	80.2	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	79.5	U	79.5	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85.7	U	85.7	130	170	ug/Kg
1912-24-9	Atrazine	92.1	U	92.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BF102224
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.9
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
BF139936.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.9	U	77.9	270	330	ug/Kg
85-01-8	Phenanthrene	84.7	U	84.7	130	170	ug/Kg
120-12-7	Anthracene	85.1	U	85.1	130	170	ug/Kg
86-74-8	Carbazole	80.9	U	80.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	85	U	85	130	170	ug/Kg
206-44-0	Fluoranthene	82.3	U	82.3	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	97.5	U	97.5	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	99.4	U	99.4	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	81.3	U	81.3	130	170	ug/Kg
218-01-9	Chrysene	80.1	U	80.1	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.7	U	91.7	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.7	U	81.7	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	83.2	U	83.2	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.7	U	93.7	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.7	U	78.7	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.8	U	81.8	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.7	U	80.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87.5	U	87.5	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75.3	U	75.3	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.8	U	83.8	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.539		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.958		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	62.631		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	65.372		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	BF102224
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.9
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
BF139936.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	40.177		10-116		27	SPK: -150
1718-51-0	Terphenyl-d14	51.657		10-105		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	137459	6.886				
1146-65-2	Naphthalene-d8	530285	8.169				
15067-26-2	Acenaphthene-d10	284175	9.922				
1517-22-2	Phenanthrene-d10	435012	11.41				
1719-03-5	Chrysene-d12	296989	14.051				
1520-96-3	Perylene-d12	339367	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	J			2.193	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.11	
015594-90-8	1-Heneicosanol	170	J			13.898	

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	BF102224
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
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
BF139937.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.2	U	91.2	280	350	ug/Kg
110-86-1	Pyridine	83.9	U	83.9	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	280	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.1	U	87.1	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.9	U	87.9	140	180	ug/Kg
95-57-8	2-Chlorophenol	87.7	U	87.7	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.8	U	88.8	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	90.3	U	90.3	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.8	U	90.8	140	180	ug/Kg
100-51-6	Benzyl Alcohol	87.2	U	87.2	280	350	ug/Kg
95-48-7	2-Methylphenol	84.6	U	84.6	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.5	U	95.5	140	180	ug/Kg
98-86-2	Acetophenone	91.3	U	91.3	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.8	U	83.8	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	84	84	ug/Kg
67-72-1	Hexachloroethane	87.2	U	87.2	140	180	ug/Kg
98-95-3	Nitrobenzene	95.4	U	95.4	140	180	ug/Kg
78-59-1	Isophorone	88.8	U	88.8	140	180	ug/Kg
88-75-5	2-Nitrophenol	99.2	U	99.2	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.9	U	97.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.1	U	90.1	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.3	U	79.3	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.7	U	89.7	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	280	350	ug/Kg
91-20-3	Naphthalene	86.7	U	86.7	140	180	ug/Kg
106-47-8	4-Chloroaniline	86.7	U	86.7	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.5	U	87.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	BF102224
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
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
BF139937.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	91.2	U	91.2	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.4	U	81.4	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.6	U	86.6	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75	U	75	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.7	U	77.7	140	180	ug/Kg
92-52-4	1,1-Biphenyl	91.8	U	91.8	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.5	U	87.5	140	180	ug/Kg
88-74-4	2-Nitroaniline	99.8	U	99.8	140	180	ug/Kg
131-11-3	Dimethylphthalate	85.8	U	85.8	140	180	ug/Kg
208-96-8	Acenaphthylene	90.8	U	90.8	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.4	U	87.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	93.7	U	93.7	140	180	ug/Kg
83-32-9	Acenaphthene	85.2	U	85.2	140	180	ug/Kg
Total PAH	Total PAH	1391.5	U	1391.5	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	280	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	350	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	77.9	U	177.9	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.5	U	90.5	140	180	ug/Kg
84-66-2	Diethylphthalate	84.1	U	84.1	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.9	U	89.9	140	180	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.7	U	85.7	140	180	ug/Kg
103-33-3	Azobenzene	83.6	U	83.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.9	U	82.9	140	180	ug/Kg
118-74-1	Hexachlorobenzene	89.3	U	89.3	140	180	ug/Kg
1912-24-9	Atrazine	96	U	96	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	BF102224
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
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
BF139937.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.2	U	81.2	280	350	ug/Kg
85-01-8	Phenanthrene	88.2	U	88.2	140	180	ug/Kg
120-12-7	Anthracene	88.6	U	88.6	140	180	ug/Kg
86-74-8	Carbazole	84.3	U	84.3	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.5	U	88.5	140	180	ug/Kg
206-44-0	Fluoranthene	85.8	U	85.8	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	280	350	ug/Kg
129-00-0	Pyrene	87.2	U	87.2	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.7	U	84.7	140	180	ug/Kg
218-01-9	Chrysene	83.5	U	83.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.6	U	95.6	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.2	U	85.2	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.7	U	86.7	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.7	U	97.7	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82	U	82	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.3	U	85.3	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.1	U	84.1	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.2	U	91.2	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.4	U	78.4	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	87.4	U	87.4	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.951		18-112		49	SPK: -150
13127-88-3	Phenol-d6	71.047		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	53.682		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	57.136		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	BF102224
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
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
BF139937.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	47.372		10-116		32	SPK: -150
1718-51-0	Terphenyl-d14	42.977		10-105		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151716	6.887				
1146-65-2	Naphthalene-d8	581488	8.169				
15067-26-2	Acenaphthene-d10	304861	9.922				
1517-22-2	Phenanthrene-d10	449838	11.41				
1719-03-5	Chrysene-d12	325843	14.045				
1520-96-3	Perylene-d12	359851	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	J			2.181	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			5.104	
000119-61-9	Benzophenone	460	J			10.633	
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	97.7	J			10.945	
015594-90-8	1-Heneicosanol	240	J			13.898	
1000383-11-5	Carbonic acid, octadecyl prop-1-en	90.7	J			14.527	
000638-66-4	Octadecanal	150	J			14.98	
000630-01-3	Hexacosane	81.2	J			15.174	
002004-39-9	1-Heptacosanol	290	J			15.204	
007390-81-0	Oxirane, hexadecyl-	97.3	J			15.774	
007098-22-8	Tetratetracontane	210	J			16.015	
000557-61-9	Octacosanol	75.3	J			16.074	
067860-04-2	Oxirane, heptadecyl-	75.6	J			16.833	
	unknown17.221	170	J			17.221	
000083-47-6	.gamma.-Sitosterol	280	J			17.639	

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BF102224
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF139938.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.1	U	92.1	290	350	ug/Kg
110-86-1	Pyridine	84.7	U	84.7	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.9	U	87.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.8	U	88.8	140	180	ug/Kg
95-57-8	2-Chlorophenol	88.6	U	88.6	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.7	U	89.7	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.2	U	91.2	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.7	U	91.7	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88	U	88	290	350	ug/Kg
95-48-7	2-Methylphenol	85.5	U	85.5	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.4	U	96.4	140	180	ug/Kg
98-86-2	Acetophenone	92.2	U	92.2	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.6	U	84.6	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.8	84.8	ug/Kg
67-72-1	Hexachloroethane	88	U	88	140	180	ug/Kg
98-95-3	Nitrobenzene	96.3	U	96.3	140	180	ug/Kg
78-59-1	Isophorone	89.7	U	89.7	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.8	U	98.8	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91	U	91	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.1	U	80.1	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.6	U	90.6	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	87.6	U	87.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	87.6	U	87.6	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.3	U	88.3	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BF102224
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF139938.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.1	U	92.1	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.2	U	82.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.5	U	87.5	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.7	U	75.7	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.5	U	78.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	92.7	U	92.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	140	180	ug/Kg
208-96-8	Acenaphthylene	91.7	U	91.7	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.2	U	88.2	140	180	ug/Kg
99-09-2	3-Nitroaniline	94.6	U	94.6	140	180	ug/Kg
83-32-9	Acenaphthene	86	U	86	140	180	ug/Kg
Total PAH	Total PAH	1405.2	U	1405.2	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	89.5	U	89.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	79.6	U	179.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.4	U	91.4	140	180	ug/Kg
84-66-2	Diethylphthalate	85	U	85	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.8	U	90.8	140	180	ug/Kg
86-73-7	Fluorene	90.7	U	90.7	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.5	U	86.5	140	180	ug/Kg
103-33-3	Azobenzene	84.4	U	84.4	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.7	U	83.7	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.1	U	90.1	140	180	ug/Kg
1912-24-9	Atrazine	96.9	U	96.9	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BF102224
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF139938.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82	U	82	290	350	ug/Kg
85-01-8	Phenanthrene	89.1	U	89.1	140	180	ug/Kg
120-12-7	Anthracene	89.5	U	89.5	140	180	ug/Kg
86-74-8	Carbazole	85.2	U	85.2	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.4	U	89.4	140	180	ug/Kg
206-44-0	Fluoranthene	86.6	U	86.6	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88	U	88	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.6	U	85.6	140	180	ug/Kg
218-01-9	Chrysene	84.3	U	84.3	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.5	U	96.5	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86	U	86	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.6	U	87.6	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.6	U	98.6	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.8	U	82.8	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.1	U	86.1	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85	U	85	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.1	U	92.1	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.2	U	79.2	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.2	U	88.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	112.285		18-112		75	SPK: -150
13127-88-3	Phenol-d6	109.699		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	83.175		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	85.906		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BF102224
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF139938.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.783		10-116		55	SPK: -150
1718-51-0	Terphenyl-d14	65.866		10-105		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	133976	6.887				
1146-65-2	Naphthalene-d8	526107	8.169				
15067-26-2	Acenaphthene-d10	267934	9.922				
1517-22-2	Phenanthrene-d10	399571	11.41				
1719-03-5	Chrysene-d12	295422	14.051				
1520-96-3	Perylene-d12	332333	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3500	J			2.193	
000141-79-7	3-Penten-2-one, 4-methyl-	160	A			4.499	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.116	
001119-40-0	Pentanedioic acid, dimethyl ester	82	J			7.698	
000119-61-9	Benzophenone	510	J			10.633	
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	100	J			10.945	
000112-88-9	1-Octadecene	98.3	J			12.457	
010395-09-2	1,3-Propanediol, 2-dodecyl	91.2	J			13.204	
000557-61-9	Octacosanol	410	J			13.892	
000629-78-7	Heptadecane	140	J			14.527	
057866-08-7	Tetracosanal	200	J			14.98	
000630-01-3	Hexacosane	140	J			15.18	
015594-90-8	1-Heneicosanol	360	J			15.204	
000638-66-4	Octadecanal	140	J			15.774	
000646-31-1	Tetracosane	290	J			16.015	
000661-19-8	Behenic alcohol	130	J			16.068	
007390-81-0	Oxirane, hexadecyl-	120	J			16.833	
	unknown17.227	250	J			17.227	
000083-47-6	.gamma.-Sitosterol	360	J			17.639	

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	BF102224
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139938.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMSD	SDG No.:	BF102224
Lab Sample ID:	P4403-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04 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
BF139939.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	940		57.2	180	220	ug/Kg
110-86-1	Pyridine	920		52.6	85.6	110	ug/Kg
100-52-7	Benzaldehyde	370		120	180	220	ug/Kg
62-53-3	Aniline	450		63.8	85.6	110	ug/Kg
108-95-2	Phenol	980		54.6	85.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990		55.1	85.6	110	ug/Kg
95-57-8	2-Chlorophenol	1000		55	85.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		55.7	85.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	980		56.7	85.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	990		57	85.6	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		54.7	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		53.1	85.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	990		59.9	85.6	110	ug/Kg
98-86-2	Acetophenone	1000		57.3	85.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	960		52.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		26.6	52.7	52.7	ug/Kg
67-72-1	Hexachloroethane	990		54.7	85.6	110	ug/Kg
98-95-3	Nitrobenzene	1000		59.8	85.6	110	ug/Kg
78-59-1	Isophorone	1000		55.7	85.6	110	ug/Kg
88-75-5	2-Nitrophenol	1200		62.3	85.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		61.4	85.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		56.5	85.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		49.7	85.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		56.3	85.6	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	1000		54.4	85.6	110	ug/Kg
106-47-8	4-Chloroaniline	230		54.4	85.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		54.9	85.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMSD	SDG No.:	BF102224
Lab Sample ID:	P4403-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04 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
BF139939.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	830		57.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		51.1	85.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		54.4	85.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3300	E	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		47	85.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		48.8	85.6	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.6	85.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		54.9	85.6	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.6	85.6	110	ug/Kg
131-11-3	Dimethylphthalate	1100		53.8	85.6	110	ug/Kg
208-96-8	Acenaphthylene	1100		57	85.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		54.8	85.6	110	ug/Kg
99-09-2	3-Nitroaniline	580		58.8	85.6	110	ug/Kg
83-32-9	Acenaphthene	1000		53.4	85.6	110	ug/Kg
Total PAH	Total PAH	15890		873	85.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	410		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1800	E	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		55.6	85.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		111.6	85.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		56.8	85.6	110	ug/Kg
84-66-2	Diethylphthalate	1000		52.8	85.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		56.4	85.6	110	ug/Kg
86-73-7	Fluorene	990		56.3	85.6	110	ug/Kg
100-01-6	4-Nitroaniline	900		70.5	85.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360		77.1	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		53.8	85.6	110	ug/Kg
103-33-3	Azobenzene	1000		52.4	85.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		52	85.6	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		56	85.6	110	ug/Kg
1912-24-9	Atrazine	1300		60.2	85.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMSD	SDG No.:	BF102224
Lab Sample ID:	P4403-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04	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
BF139939.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100		50.9	180	220	ug/Kg
85-01-8	Phenanthrene	1100		55.3	85.6	110	ug/Kg
120-12-7	Anthracene	1100		55.6	85.6	110	ug/Kg
86-74-8	Carbazole	1000		52.9	85.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		55.5	85.6	110	ug/Kg
206-44-0	Fluoranthene	1000		53.8	85.6	110	ug/Kg
92-87-5	Benzidine	780		110	180	220	ug/Kg
129-00-0	Pyrene	820		54.7	85.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		63.8	85.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	490		65	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		53.2	85.6	110	ug/Kg
218-01-9	Chrysene	1100		52.4	85.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		60	85.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		72.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		53.4	85.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		54.4	85.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		61.3	85.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	840		51.5	85.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	840		53.5	85.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	700		52.8	85.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		57.2	85.6	110	ug/Kg
123-91-1	1,4-Dioxane	900		72.5	85.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	870		49.2	85.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	970		54.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.014		18-112		70	SPK: -150
13127-88-3	Phenol-d6	103.908		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	81.703		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	81.774		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMSD	SDG No.:	BF102224
Lab Sample ID:	P4403-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04 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
BF139939.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	103.145		10-116		69	SPK: -150
1718-51-0	Terphenyl-d14	63.668		10-105		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155702	6.892				
1146-65-2	Naphthalene-d8	581800	8.175				
15067-26-2	Acenaphthene-d10	298537	9.928				
1517-22-2	Phenanthrene-d10	449643	11.416				
1719-03-5	Chrysene-d12	313612	14.057				
1520-96-3	Perylene-d12	387261	15.533				

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMS	SDG No.:	BF102224
Lab Sample ID:	P4403-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.02	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
BF139940.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		57.2	180	220	ug/Kg
110-86-1	Pyridine	1000		52.7	85.7	110	ug/Kg
100-52-7	Benzaldehyde	410		120	180	220	ug/Kg
62-53-3	Aniline	510		63.9	85.7	110	ug/Kg
108-95-2	Phenol	1100		54.6	85.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		55.2	85.7	110	ug/Kg
95-57-8	2-Chlorophenol	1100		55	85.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		55.8	85.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		56.7	85.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		57	85.7	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		54.7	180	220	ug/Kg
95-48-7	2-Methylphenol	1100		53.1	85.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		59.9	85.7	110	ug/Kg
98-86-2	Acetophenone	1100		57.3	85.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		52.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		26.6	52.7	52.7	ug/Kg
67-72-1	Hexachloroethane	1100		54.7	85.7	110	ug/Kg
98-95-3	Nitrobenzene	1100		59.8	85.7	110	ug/Kg
78-59-1	Isophorone	1100		55.8	85.7	110	ug/Kg
88-75-5	2-Nitrophenol	1300		62.3	85.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		61.4	85.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		56.5	85.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		49.8	85.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		56.3	85.7	110	ug/Kg
65-85-0	Benzoic acid	280		160	180	220	ug/Kg
91-20-3	Naphthalene	1100		54.4	85.7	110	ug/Kg
106-47-8	4-Chloroaniline	240		54.4	85.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		54.9	85.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMS	SDG No.:	BF102224
Lab Sample ID:	P4403-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.02 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
BF139940.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	900		57.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		51.1	85.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		54.4	85.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		47.1	85.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		48.8	85.7	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.6	85.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		54.9	85.7	110	ug/Kg
88-74-4	2-Nitroaniline	1200		62.6	85.7	110	ug/Kg
131-11-3	Dimethylphthalate	1100		53.8	85.7	110	ug/Kg
208-96-8	Acenaphthylene	1200		57	85.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		54.8	85.7	110	ug/Kg
99-09-2	3-Nitroaniline	600		58.8	85.7	110	ug/Kg
83-32-9	Acenaphthene	1100		53.5	85.7	110	ug/Kg
Total PAH	Total PAH	17320		873.4	85.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	570		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	76.5	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		55.6	85.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		56.8	85.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		111.6	85.7	220	ug/Kg
84-66-2	Diethylphthalate	1100		52.8	85.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		56.4	85.7	110	ug/Kg
86-73-7	Fluorene	1000		56.4	85.7	110	ug/Kg
100-01-6	4-Nitroaniline	970		70.5	85.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550		77.1	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		53.8	85.7	110	ug/Kg
103-33-3	Azobenzene	1100		52.5	85.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		52	85.7	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		56	85.7	110	ug/Kg
1912-24-9	Atrazine	1400		60.2	85.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMS	SDG No.:	BF102224
Lab Sample ID:	P4403-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.02	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
BF139940.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1500		50.9	180	220	ug/Kg
85-01-8	Phenanthrene	1200		55.4	85.7	110	ug/Kg
120-12-7	Anthracene	1200		55.6	85.7	110	ug/Kg
86-74-8	Carbazole	1100		52.9	85.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.6	85.7	110	ug/Kg
206-44-0	Fluoranthene	1100		53.8	85.7	110	ug/Kg
92-87-5	Benzidine	910		110	180	220	ug/Kg
129-00-0	Pyrene	850		54.7	85.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		63.8	85.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510		65	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		53.2	85.7	110	ug/Kg
218-01-9	Chrysene	1200		52.4	85.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		60	85.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		72.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		53.5	85.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		54.4	85.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		61.3	85.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910		51.5	85.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	900		53.5	85.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	760		52.8	85.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		57.2	85.7	110	ug/Kg
123-91-1	1,4-Dioxane	980		72.5	85.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		49.2	85.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	1000		54.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114.969		18-112		77	SPK: -150
13127-88-3	Phenol-d6	112.99		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	87.272		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	87.297		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP SoilMS	SDG No.:	BF102224
Lab Sample ID:	P4403-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.02 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
BF139940.D	1	10/15/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164152

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.575		10-116		72	SPK: -150
1718-51-0	Terphenyl-d14	66.629		10-105		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144166	6.893				
1146-65-2	Naphthalene-d8	550141	8.175				
15067-26-2	Acenaphthene-d10	283510	9.928				
1517-22-2	Phenanthrene-d10	418504	11.416				
1719-03-5	Chrysene-d12	292588	14.051				
1520-96-3	Perylene-d12	350468	15.533				

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BF102224
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139941.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.8	U	92.8	290	350	ug/Kg
110-86-1	Pyridine	85.5	U	85.5	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.7	U	88.7	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.5	U	90.5	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92	U	92	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.5	U	92.5	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.8	U	88.8	290	350	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.2	U	97.2	140	180	ug/Kg
98-86-2	Acetophenone	92.9	U	92.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	140	180	ug/Kg
98-95-3	Nitrobenzene	97.1	U	97.1	140	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.3	U	91.3	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.3	U	88.3	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.3	U	88.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BF102224
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139941.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.8	U	92.8	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.2	U	88.2	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	140	180	ug/Kg
208-96-8	Acenaphthylene	92.5	U	92.5	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89	U	89	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	U	95.4	140	180	ug/Kg
83-32-9	Acenaphthene	86.7	U	86.7	140	180	ug/Kg
Total PAH	Total PAH	1417.2	U	1417.2	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81.2	U	181.2	140	360	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	140	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	140	180	ug/Kg
103-33-3	Azobenzene	85.1	U	85.1	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	140	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BF102224
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139941.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.7	U	82.7	290	350	ug/Kg
85-01-8	Phenanthrene	89.8	U	89.8	140	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	140	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	140	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	140	180	ug/Kg
218-01-9	Chrysene	85	U	85	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.3	U	97.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.7	U	86.7	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.3	U	88.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.5	U	83.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.8	U	92.8	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89	U	89	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.041		18-112		60	SPK: -150
13127-88-3	Phenol-d6	89.641		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	68.713		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	73.703		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	BF102224
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139941.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	69.631		10-116		46	SPK: -150
1718-51-0	Terphenyl-d14	51.981		10-105		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136890	6.887				
1146-65-2	Naphthalene-d8	521113	8.169				
15067-26-2	Acenaphthene-d10	254785	9.922				
1517-22-2	Phenanthrene-d10	372133	11.41				
1719-03-5	Chrysene-d12	303301	14.045				
1520-96-3	Perylene-d12	324928	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2800	J			2.187	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	A			5.11	
000119-61-9	Benzophenone	570	J			10.633	
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	120	J			10.945	
000057-10-3	n-Hexadecanoic acid	240	J			11.933	
074685-30-6	5-Eicosene, (E)-	300	J			13.898	
1000309-38-2	Oxalic acid, isobutyl heptadecyl e	77.4	J			14.527	
007390-81-0	Oxirane, hexadecyl-	110	J			14.98	
000112-95-8	Eicosane	80.9	J			15.174	
015594-90-8	1-Heneicosanol	230	J			15.204	
000638-66-4	Octadecanal	81.3	J			15.774	
000630-01-3	Hexacosane	230	J			16.015	
000661-19-8	Behenic alcohol	110	J			16.074	
000083-48-7	Stigmasterol	140	J			17.221	
000083-46-5	.beta.-Sitosterol	210	J			17.639	

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PAD-10182024	SDG No.:	BF102224
Lab Sample ID:	P4456-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	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
BF139942.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	710		140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PAD-10182024	SDG No.:	BF102224
Lab Sample ID:	P4456-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	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
BF139942.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PAD-10182024	SDG No.:	BF102224
Lab Sample ID:	P4456-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	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
BF139942.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.052		18-112		51	SPK: -150
13127-88-3	Phenol-d6	74.335		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	65.271		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	68.914		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	10/18/2024 12:00:00 AM
Project:		Date Received:	10/18/2024 12:00:00 AM
Client Sample ID:	PAD-10182024	SDG No.:	BF102224
Lab Sample ID:	P4456-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 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
BF139942.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.39		10-116		60	SPK: -150
1718-51-0	Terphenyl-d14	42.465		10-105		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112241	6.892				
1146-65-2	Naphthalene-d8	373220	8.169				
15067-26-2	Acenaphthene-d10	190672	9.928				
1517-22-2	Phenanthrene-d10	235848	11.422				
1719-03-5	Chrysene-d12	230587	14.11				
1520-96-3	Perylene-d12	185430	15.557				

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MS	SDG No.:	BF102224
Lab Sample ID:	P4431-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.03	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
BF139943.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		58.8	180	220	ug/Kg
110-86-1	Pyridine	990		54.1	88.1	120	ug/Kg
100-52-7	Benzaldehyde	370		120	180	220	ug/Kg
62-53-3	Aniline	470		65.7	88.1	120	ug/Kg
108-95-2	Phenol	1100		56.2	88.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		56.7	88.1	120	ug/Kg
95-57-8	2-Chlorophenol	1100		56.6	88.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		57.3	88.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		58.3	88.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		58.6	88.1	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		56.2	180	220	ug/Kg
95-48-7	2-Methylphenol	1100		54.6	88.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		61.6	88.1	120	ug/Kg
98-86-2	Acetophenone	1100		58.9	88.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		54.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		27.3	54.2	54.2	ug/Kg
67-72-1	Hexachloroethane	1100		56.2	88.1	120	ug/Kg
98-95-3	Nitrobenzene	1100		61.5	88.1	120	ug/Kg
78-59-1	Isophorone	1100		57.3	88.1	120	ug/Kg
88-75-5	2-Nitrophenol	1300		64	88.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		63.1	88.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		58.1	88.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		51.2	88.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		57.9	88.1	120	ug/Kg
65-85-0	Benzoic acid	720		160	180	220	ug/Kg
91-20-3	Naphthalene	1100		56	88.1	120	ug/Kg
106-47-8	4-Chloroaniline	200		56	88.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	1200		56.4	88.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MS	SDG No.:	BF102224
Lab Sample ID:	P4431-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.03	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
BF139943.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	880		58.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		52.5	88.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		55.9	88.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		48.4	88.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		50.1	88.1	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		59.2	88.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	1200		56.4	88.1	120	ug/Kg
88-74-4	2-Nitroaniline	1200		64.4	88.1	120	ug/Kg
131-11-3	Dimethylphthalate	1200		55.4	88.1	120	ug/Kg
208-96-8	Acenaphthylene	1300		58.6	88.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		56.4	88.1	120	ug/Kg
99-09-2	3-Nitroaniline	580		60.4	88.1	120	ug/Kg
83-32-9	Acenaphthene	1200		55	88.1	120	ug/Kg
Total PAH	Total PAH	23040		898	88.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1000		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	78.6	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		57.2	88.1	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		58.4	88.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400		114.8	88.1	240	ug/Kg
84-66-2	Diethylphthalate	1100		54.3	88.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		58	88.1	120	ug/Kg
86-73-7	Fluorene	1100		57.9	88.1	120	ug/Kg
100-01-6	4-Nitroaniline	920		72.5	88.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	890		79.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		55.3	88.1	120	ug/Kg
103-33-3	Azobenzene	1100		53.9	88.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		53.5	88.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		57.6	88.1	120	ug/Kg
1912-24-9	Atrazine	1500		61.9	88.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MS	SDG No.:	BF102224
Lab Sample ID:	P4431-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.03	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
BF139943.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2700	E	52.4	180	220	ug/Kg
85-01-8	Phenanthrene	1600		56.9	88.1	120	ug/Kg
120-12-7	Anthracene	1300		57.2	88.1	120	ug/Kg
86-74-8	Carbazole	1200		54.4	88.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	1300		57.1	88.1	120	ug/Kg
206-44-0	Fluoranthene	2200	E	55.4	88.1	120	ug/Kg
92-87-5	Benzidine	990		110	180	220	ug/Kg
129-00-0	Pyrene	1500		56.2	88.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		65.6	88.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630		66.8	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1600		54.7	88.1	120	ug/Kg
218-01-9	Chrysene	1700		53.9	88.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		61.7	88.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		74.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000	E	55	88.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		56	88.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	1800		63	88.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		52.9	88.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	940		55	88.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		54.3	88.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		58.8	88.1	120	ug/Kg
123-91-1	1,4-Dioxane	980		74.5	88.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		50.6	88.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	1000		56.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.698		18-112		77	SPK: -150
13127-88-3	Phenol-d6	110.935		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	89.922		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	93.119		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MS	SDG No.:	BF102224
Lab Sample ID:	P4431-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.03 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
BF139943.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	113.191		10-116		75	SPK: -150
1718-51-0	Terphenyl-d14	67.473		10-105		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135429	6.893				
1146-65-2	Naphthalene-d8	493211	8.175				
15067-26-2	Acenaphthene-d10	232904	9.928				
1517-22-2	Phenanthrene-d10	338127	11.416				
1719-03-5	Chrysene-d12	286551	14.057				
1520-96-3	Perylene-d12	265643	15.533				

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MSD	SDG No.:	BF102224
Lab Sample ID:	P4431-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.06	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
BF139944.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	970		58.8	180	220	ug/Kg
110-86-1	Pyridine	930		54.1	88	120	ug/Kg
100-52-7	Benzaldehyde	350		120	180	220	ug/Kg
62-53-3	Aniline	450		65.6	88	120	ug/Kg
108-95-2	Phenol	1000		56.1	88	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		56.7	88	120	ug/Kg
95-57-8	2-Chlorophenol	1100		56.5	88	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57.3	88	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58.2	88	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.6	88	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		56.2	180	220	ug/Kg
95-48-7	2-Methylphenol	990		54.6	88	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	990		61.6	88	120	ug/Kg
98-86-2	Acetophenone	1100		58.8	88	120	ug/Kg
65794-96-9	3+4-Methylphenols	960		54	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		27.3	54.2	54.2	ug/Kg
67-72-1	Hexachloroethane	1000		56.2	88	120	ug/Kg
98-95-3	Nitrobenzene	1000		61.5	88	120	ug/Kg
78-59-1	Isophorone	1000		57.3	88	120	ug/Kg
88-75-5	2-Nitrophenol	1200		64	88	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		63.1	88	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		58.1	88	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		51.1	88	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57.8	88	120	ug/Kg
65-85-0	Benzoic acid	680		160	180	220	ug/Kg
91-20-3	Naphthalene	1000		55.9	88	120	ug/Kg
106-47-8	4-Chloroaniline	210		55.9	88	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		56.4	88	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MSD	SDG No.:	BF102224
Lab Sample ID:	P4431-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.06	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
BF139944.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	820		58.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	880		52.5	88	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		55.9	88	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.3	88	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		50.1	88	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		59.2	88	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		56.4	88	120	ug/Kg
88-74-4	2-Nitroaniline	1100		64.3	88	120	ug/Kg
131-11-3	Dimethylphthalate	1100		55.3	88	120	ug/Kg
208-96-8	Acenaphthylene	1200		58.6	88	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		56.3	88	120	ug/Kg
99-09-2	3-Nitroaniline	550		60.4	88	120	ug/Kg
83-32-9	Acenaphthene	1100		54.9	88	120	ug/Kg
Total PAH	Total PAH	21640		897.2	88	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	78.5	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		57.2	88	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		58.4	88	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		114.7	88	240	ug/Kg
84-66-2	Diethylphthalate	1000		54.2	88	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		58	88	120	ug/Kg
86-73-7	Fluorene	1000		57.9	88	120	ug/Kg
100-01-6	4-Nitroaniline	870		72.5	88	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	840		79.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		55.3	88	120	ug/Kg
103-33-3	Azobenzene	1000		53.9	88	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		53.4	88	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		57.6	88	120	ug/Kg
1912-24-9	Atrazine	1400		61.9	88	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MSD	SDG No.:	BF102224
Lab Sample ID:	P4431-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.06	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
BF139944.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600	E	52.3	180	220	ug/Kg
85-01-8	Phenanthrene	1500		56.9	88	120	ug/Kg
120-12-7	Anthracene	1200		57.2	88	120	ug/Kg
86-74-8	Carbazole	1200		54.4	88	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		57.1	88	120	ug/Kg
206-44-0	Fluoranthene	2100	E	55.3	88	120	ug/Kg
92-87-5	Benzidine	1000		110	180	220	ug/Kg
129-00-0	Pyrene	1400		56.2	88	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		65.5	88	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	670		66.8	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1600		54.6	88	120	ug/Kg
218-01-9	Chrysene	1500		53.8	88	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		61.6	88	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		74.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900	E	54.9	88	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		55.9	88	120	ug/Kg
50-32-8	Benzo(a)pyrene	1700		63	88	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		52.9	88	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	940		55	88	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		54.2	88	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		58.8	88	120	ug/Kg
123-91-1	1,4-Dioxane	930		74.5	88	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		50.6	88	120	ug/Kg
90-12-0	1-Methylnaphthalene	950		56.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.584		18-112		71	SPK: -150
13127-88-3	Phenol-d6	101.799		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	82.88		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	87.731		20-109		88	SPK: -100

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	72-11934MSD	SDG No.:	BF102224
Lab Sample ID:	P4431-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.5
Sample Wt/Vol:	50.06 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
BF139944.D	1	10/18/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164237

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.204		10-116		72	SPK: -150
1718-51-0	Terphenyl-d14	63.32		10-105		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	142085	6.893				
1146-65-2	Naphthalene-d8	509979	8.175				
15067-26-2	Acenaphthene-d10	232282	9.928				
1517-22-2	Phenanthrene-d10	353031	11.416				
1719-03-5	Chrysene-d12	304375	14.057				
1520-96-3	Perylene-d12	262279	15.533				

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BF102224
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
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
BF139945.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.8	U	91.8	290	350	ug/Kg
110-86-1	Pyridine	84.5	U	84.5	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.7	U	87.7	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.6	U	88.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	88.3	U	88.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.5	U	89.5	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91	U	91	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.5	U	91.5	140	180	ug/Kg
100-51-6	Benzyl Alcohol	87.8	U	87.8	290	350	ug/Kg
95-48-7	2-Methylphenol	85.3	U	85.3	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.2	U	96.2	140	180	ug/Kg
98-86-2	Acetophenone	91.9	U	91.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.4	U	84.4	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.6	U	42.6	84.6	84.6	ug/Kg
67-72-1	Hexachloroethane	87.8	U	87.8	140	180	ug/Kg
98-95-3	Nitrobenzene	96.1	U	96.1	140	180	ug/Kg
78-59-1	Isophorone	89.5	U	89.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.6	U	98.6	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.8	U	90.8	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.9	U	79.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.4	U	90.4	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	87.4	U	87.4	140	180	ug/Kg
106-47-8	4-Chloroaniline	87.4	U	87.4	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.1	U	88.1	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BF102224
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
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
BF139945.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	91.8	U	91.8	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82	U	82	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.3	U	87.3	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.5	U	75.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.3	U	78.3	140	180	ug/Kg
92-52-4	1,1-Biphenyl	92.5	U	92.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.1	U	88.1	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	86.4	U	86.4	140	180	ug/Kg
208-96-8	Acenaphthylene	91.5	U	91.5	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88	U	88	140	180	ug/Kg
99-09-2	3-Nitroaniline	94.4	U	94.4	140	180	ug/Kg
83-32-9	Acenaphthene	85.8	U	85.8	140	180	ug/Kg
Total PAH	Total PAH	1401.9	U	1401.9	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	89.3	U	89.3	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.2	U	91.2	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	79.2	U	179.2	140	360	ug/Kg
84-66-2	Diethylphthalate	84.7	U	84.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.6	U	90.6	140	180	ug/Kg
86-73-7	Fluorene	90.5	U	90.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.3	U	86.3	140	180	ug/Kg
103-33-3	Azobenzene	84.2	U	84.2	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.5	U	83.5	140	180	ug/Kg
118-74-1	Hexachlorobenzene	89.9	U	89.9	140	180	ug/Kg
1912-24-9	Atrazine	96.7	U	96.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BF102224
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
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
BF139945.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.8	U	81.8	290	350	ug/Kg
85-01-8	Phenanthrene	88.9	U	88.9	140	180	ug/Kg
120-12-7	Anthracene	89.3	U	89.3	140	180	ug/Kg
86-74-8	Carbazole	85	U	85	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.2	U	89.2	140	180	ug/Kg
206-44-0	Fluoranthene	95.3	J	86.4	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	87.8	U	87.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.4	U	85.4	140	180	ug/Kg
218-01-9	Chrysene	84.1	U	84.1	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.3	U	96.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.8	U	85.8	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.4	U	87.4	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.4	U	98.4	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.6	U	82.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.9	U	85.9	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.7	U	84.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.8	U	91.8	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79	U	79	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88	U	88	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.289		18-112		64	SPK: -150
13127-88-3	Phenol-d6	86.229		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	76.051		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	81.699		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	BF102224
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
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
BF139945.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.397		10-116		68	SPK: -150
1718-51-0	Terphenyl-d14	56.641		10-105		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	119007	6.893				
1146-65-2	Naphthalene-d8	400056	8.169				
15067-26-2	Acenaphthene-d10	182483	9.928				
1517-22-2	Phenanthrene-d10	307887	11.41				
1719-03-5	Chrysene-d12	297752	14.051				
1520-96-3	Perylene-d12	223198	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2500	J			2.181	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	A			5.11	
001119-40-0	Pentanedioic acid, dimethyl ester	73	J			7.698	
000119-61-9	Benzophenone	140	J			10.634	
000057-10-3	n-Hexadecanoic acid	480	J			11.933	
000057-11-4	Octadecanoic acid	88.9	J			12.722	
027519-02-4	9-Tricosene, (Z)-	390	J			13.892	
000295-65-8	Cyclohexadecane	140	J			14.527	
000646-31-1	Tetracosane	380	J			15.18	
000638-66-4	Octadecanal	110	J			15.774	
013475-75-7	Pentadecane, 8-hexyl-	180	J			16.015	
015594-90-8	1-Heneicosanol	210	J			16.063	

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-9	SDG No.:	BF102224
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139946.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.9	U	92.9	290	350	ug/Kg
110-86-1	Pyridine	85.5	U	85.5	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.7	U	88.7	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.5	U	90.5	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92	U	92	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.6	U	92.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.8	U	88.8	290	350	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.3	U	97.3	140	180	ug/Kg
98-86-2	Acetophenone	93	U	93	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	140	180	ug/Kg
98-95-3	Nitrobenzene	97.2	U	97.2	140	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.4	U	91.4	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.4	U	88.4	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.4	U	88.4	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-9	SDG No.:	BF102224
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139946.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.9	U	92.9	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.3	U	88.3	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	140	180	ug/Kg
208-96-8	Acenaphthylene	92.6	U	92.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89	U	89	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	U	95.4	140	180	ug/Kg
83-32-9	Acenaphthene	86.8	U	86.8	140	180	ug/Kg
Total PAH	Total PAH	1418	U	1418	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81.2	U	181.2	140	360	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	140	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	140	180	ug/Kg
103-33-3	Azobenzene	85.2	U	85.2	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	140	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-9	SDG No.:	BF102224
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139946.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.7	U	82.7	290	350	ug/Kg
85-01-8	Phenanthrene	89.9	U	89.9	140	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	140	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	140	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	140	180	ug/Kg
218-01-9	Chrysene	85.1	U	85.1	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	U	97.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.8	U	86.8	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.4	U	88.4	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.6	U	83.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.9	U	92.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89	U	89	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	55.972		18-112		37	SPK: -150
13127-88-3	Phenol-d6	50.981		15-107		34	SPK: -150
4165-60-0	Nitrobenzene-d5	45.863		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	48.191		20-109		48	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-9	SDG No.:	BF102224
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139946.D	1	10/11/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	60.654		10-116		40	SPK: -150
1718-51-0	Terphenyl-d14	34.225		10-105		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125462	6.893				
1146-65-2	Naphthalene-d8	412661	8.169				
15067-26-2	Acenaphthene-d10	187614	9.922				
1517-22-2	Phenanthrene-d10	327445	11.41				
1719-03-5	Chrysene-d12	323147	14.051				
1520-96-3	Perylene-d12	234771	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			2.175	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			5.104	
000119-61-9	Benzophenone	90.2	J			10.633	
000057-10-3	n-Hexadecanoic acid	190	J			11.933	
074685-30-6	5-Eicosene, (E)-	210	J			13.892	
000629-92-5	Nonadecane	140	J			15.174	
000629-94-7	Heneicosane	99.5	J			16.015	

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BF102224
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09	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
BF139947.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93.1	U	93.1	290	350	ug/Kg
110-86-1	Pyridine	85.7	U	85.7	140	180	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.9	U	88.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.5	U	89.5	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.7	U	90.7	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92.2	U	92.2	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.7	U	92.7	140	180	ug/Kg
100-51-6	Benzyl Alcohol	89	U	89	290	350	ug/Kg
95-48-7	2-Methylphenol	86.4	U	86.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.4	U	97.4	140	180	ug/Kg
98-86-2	Acetophenone	93.2	U	93.2	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.5	U	85.5	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.2	U	43.2	85.8	85.8	ug/Kg
67-72-1	Hexachloroethane	89	U	89	140	180	ug/Kg
98-95-3	Nitrobenzene	97.3	U	97.3	140	180	ug/Kg
78-59-1	Isophorone	90.7	U	90.7	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.9	U	99.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92	U	92	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.9	U	80.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.6	U	91.6	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.6	U	88.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.6	U	88.6	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.3	U	89.3	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BF102224
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09	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
BF139947.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	93.1	U	93.1	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.1	U	83.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.4	U	88.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.5	U	76.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.3	U	79.3	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.7	U	93.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.3	U	89.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.6	U	87.6	140	180	ug/Kg
208-96-8	Acenaphthylene	92.7	U	92.7	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.2	U	89.2	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.6	U	95.6	140	180	ug/Kg
83-32-9	Acenaphthene	86.9	U	86.9	140	180	ug/Kg
Total PAH	Total PAH	1420.7	U	1420.7	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.5	U	90.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	181.6	U	181.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	140	180	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.8	U	91.8	140	180	ug/Kg
86-73-7	Fluorene	91.7	U	91.7	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.5	U	87.5	140	180	ug/Kg
103-33-3	Azobenzene	85.3	U	85.3	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.6	U	84.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	91.1	U	91.1	140	180	ug/Kg
1912-24-9	Atrazine	98	U	98	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BF102224
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09	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
BF139947.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.9	U	82.9	290	350	ug/Kg
85-01-8	Phenanthrene	90.1	U	90.1	140	180	ug/Kg
120-12-7	Anthracene	90.5	U	90.5	140	180	ug/Kg
86-74-8	Carbazole	86.1	U	86.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.4	U	90.4	140	180	ug/Kg
206-44-0	Fluoranthene	87.6	U	87.6	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	89	U	89	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.5	U	86.5	140	180	ug/Kg
218-01-9	Chrysene	85.2	U	85.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.6	U	97.6	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.9	U	86.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.6	U	88.6	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.7	U	99.7	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.7	U	83.7	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.1	U	87.1	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.9	U	85.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.1	U	93.1	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.1	U	80.1	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89.2	U	89.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.305		18-112		63	SPK: -150
13127-88-3	Phenol-d6	86.402		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	73.549		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	80.824		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	BF102224
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09	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
BF139947.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	105.199		10-116		70	SPK: -150
1718-51-0	Terphenyl-d14	57.436		10-105		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114279	6.892				
1146-65-2	Naphthalene-d8	384129	8.169				
15067-26-2	Acenaphthene-d10	173441	9.927				
1517-22-2	Phenanthrene-d10	309030	11.41				
1719-03-5	Chrysene-d12	295313	14.051				
1520-96-3	Perylene-d12	215288	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2900	J			2.181	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	A			5.11	
000119-61-9	Benzophenone	130	J			10.639	
000057-10-3	n-Hexadecanoic acid	340	J			11.933	
018835-33-1	1-Hexacosene	280	J			13.892	
007683-64-9	Supraene	91.8	J			14.91	
000593-45-3	Octadecane	74.7	J			15.174	
000629-78-7	Heptadecane	82.2	J			16.015	

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.02	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
BF139948.D	1	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.6	U	56.6	180	220	ug/Kg
110-86-1	Pyridine	52.1	U	52.1	84.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.2	U	63.2	84.7	110	ug/Kg
108-95-2	Phenol	54	U	54	84.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.6	U	54.6	84.7	110	ug/Kg
95-57-8	2-Chlorophenol	54.4	U	54.4	84.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.2	U	55.2	84.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.1	U	56.1	84.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.4	U	56.4	84.7	110	ug/Kg
100-51-6	Benzyl Alcohol	54.1	U	54.1	180	220	ug/Kg
95-48-7	2-Methylphenol	52.5	U	52.5	84.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.3	U	59.3	84.7	110	ug/Kg
98-86-2	Acetophenone	56.7	U	56.7	84.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	52	U	52	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.3	U	26.3	52.2	52.2	ug/Kg
67-72-1	Hexachloroethane	54.1	U	54.1	84.7	110	ug/Kg
98-95-3	Nitrobenzene	59.2	U	59.2	84.7	110	ug/Kg
78-59-1	Isophorone	55.2	U	55.2	84.7	110	ug/Kg
88-75-5	2-Nitrophenol	61.6	U	61.6	84.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.8	U	60.8	84.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.9	U	55.9	84.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.2	U	49.2	84.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.7	U	55.7	84.7	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	53.8	U	53.8	84.7	110	ug/Kg
106-47-8	4-Chloroaniline	53.8	U	53.8	84.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.3	U	54.3	84.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.02 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
BF139948.D	1	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.6	U	56.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.5	U	50.5	84.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.8	U	53.8	84.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.5	U	46.5	84.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.2	U	48.2	84.7	110	ug/Kg
92-52-4	1,1-Biphenyl	57	U	57	84.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.3	U	54.3	84.7	110	ug/Kg
88-74-4	2-Nitroaniline	61.9	U	61.9	84.7	110	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	84.7	110	ug/Kg
208-96-8	Acenaphthylene	56.4	U	56.4	84.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.2	U	54.2	84.7	110	ug/Kg
99-09-2	3-Nitroaniline	58.2	U	58.2	84.7	110	ug/Kg
83-32-9	Acenaphthene	52.9	U	52.9	84.7	110	ug/Kg
Total PAH	Total PAH	2310	U	863.7	84.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.6	U	75.6	180	220	ug/Kg
132-64-9	Dibenzofuran	55	U	55	84.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.2	U	56.2	84.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	10.4	U	110.4	84.7	220	ug/Kg
84-66-2	Diethylphthalate	52.2	U	52.2	84.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.8	U	55.8	84.7	110	ug/Kg
86-73-7	Fluorene	55.7	U	55.7	84.7	110	ug/Kg
100-01-6	4-Nitroaniline	69.8	U	69.8	84.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.3	U	76.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.2	U	53.2	84.7	110	ug/Kg
103-33-3	Azobenzene	51.9	U	51.9	84.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.4	U	51.4	84.7	110	ug/Kg
118-74-1	Hexachlorobenzene	55.4	U	55.4	84.7	110	ug/Kg
1912-24-9	Atrazine	59.6	U	59.6	84.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.02 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
BF139948.D	1	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.4	U	50.4	180	220	ug/Kg
85-01-8	Phenanthrene	130		54.8	84.7	110	ug/Kg
120-12-7	Anthracene	55	U	55	84.7	110	ug/Kg
86-74-8	Carbazole	52.3	U	52.3	84.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	55	U	55	84.7	110	ug/Kg
206-44-0	Fluoranthene	430		53.3	84.7	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	260		54.1	84.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.1	U	63.1	84.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.3	U	64.3	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	210		52.6	84.7	110	ug/Kg
218-01-9	Chrysene	240		51.8	84.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280		59.3	84.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.7	U	71.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	350		52.9	84.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	160		53.8	84.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	230		60.6	84.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130		50.9	84.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.9	U	52.9	84.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170		52.2	84.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.6	U	56.6	84.7	110	ug/Kg
123-91-1	1,4-Dioxane	71.7	U	71.7	84.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.7	U	48.7	84.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.2	U	54.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.549		18-112		52	SPK: -150
13127-88-3	Phenol-d6	70.111		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	62.109		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	67.277		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-29	SDG No.:	BF102224
Lab Sample ID:	P4443-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.02 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
BF139948.D	1	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	98.819		10-116		66	SPK: -150
1718-51-0	Terphenyl-d14	55.383		10-105		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113022	6.892				
1146-65-2	Naphthalene-d8	368389	8.169				
15067-26-2	Acenaphthene-d10	177730	9.928				
1517-22-2	Phenanthrene-d10	339935	11.41				
1719-03-5	Chrysene-d12	284746	14.051				
1520-96-3	Perylene-d12	206032	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			2.157	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			5.104	
000119-61-9	Benzophenone	97.1	J			10.633	
000057-10-3	n-Hexadecanoic acid	320	J			11.933	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	45.9	J			12.022	
000057-11-4	Octadecanoic acid	66.5	J			12.722	
074685-30-6	5-Eicosene, (E)-	100	J			13.892	
001599-67-3	1-Docosene	100	J			14.527	
000638-66-4	Octadecanal	340	J			14.98	
000593-49-7	Heptacosane	520	J			15.18	
000192-97-2	Benzo[e]pyrene	230	J			15.404	
067860-04-2	Oxirane, heptadecyl-	210	J			15.774	
000629-94-7	Heneicosane	410	J			16.015	
000557-61-9	Octacosanol	270	J			16.068	
1000155-82-2	Bicyclo[10.8.0]eicosane, cis-	400	J			16.839	
000083-47-6	.gamma.-Sitosterol	430	J			17.645	

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-5	SDG No.:	BF102224
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139949.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.8	U	92.8	290	350	ug/Kg
110-86-1	Pyridine	85.5	U	85.5	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.7	U	88.7	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.5	U	90.5	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92	U	92	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.5	U	92.5	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.8	U	88.8	290	350	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.2	U	97.2	140	180	ug/Kg
98-86-2	Acetophenone	92.9	U	92.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	140	180	ug/Kg
98-95-3	Nitrobenzene	97.1	U	97.1	140	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.3	U	91.3	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.3	U	88.3	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.3	U	88.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-5	SDG No.:	BF102224
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139949.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.8	U	92.8	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.2	U	88.2	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	140	180	ug/Kg
208-96-8	Acenaphthylene	92.5	U	92.5	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89	U	89	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	U	95.4	140	180	ug/Kg
83-32-9	Acenaphthene	86.7	U	86.7	140	180	ug/Kg
Total PAH	Total PAH	1417.2	U	1417.2	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81.2	U	181.2	140	360	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	140	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	140	180	ug/Kg
103-33-3	Azobenzene	85.1	U	85.1	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	140	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-5	SDG No.:	BF102224
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139949.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.7	U	82.7	290	350	ug/Kg
85-01-8	Phenanthrene	89.8	U	89.8	140	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	140	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	140	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	140	180	ug/Kg
218-01-9	Chrysene	85	U	85	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.3	U	97.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.7	U	86.7	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.3	U	88.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.5	U	83.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.8	U	92.8	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89	U	89	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.072		18-112		56	SPK: -150
13127-88-3	Phenol-d6	76.136		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	65.25		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	70.112		20-109		70	SPK: -100

Report of Analysis

Client:		Date Collected:	10/10/2024 12:00:00 AM
Project:		Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	SP-5	SDG No.:	BF102224
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF139949.D	1	10/11/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	100.708		10-116		67	SPK: -150
1718-51-0	Terphenyl-d14	54.712		10-105		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	108490	6.893				
1146-65-2	Naphthalene-d8	354595	8.169				
15067-26-2	Acenaphthene-d10	170918	9.928				
1517-22-2	Phenanthrene-d10	337324	11.41				
1719-03-5	Chrysene-d12	293042	14.051				
1520-96-3	Perylene-d12	205540	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2500	J			2.175	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	A			5.11	
000119-61-9	Benzophenone	120	J			10.634	
000057-10-3	n-Hexadecanoic acid	370	J			11.933	
000057-11-4	Octadecanoic acid	72.4	J			12.722	
027519-02-4	9-Tricosene, (Z)-	320	J			13.892	
1000383-11-5	Carbonic acid, octadecyl prop-1-en	81.3	J			14.522	
000638-67-5	Tricosane	320	J			15.174	
000629-99-2	Pentacosane	350	J			16.015	
018835-32-0	1-Tricosene	200	J			16.068	

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.1
Sample Wt/Vol:	50.05	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
BF139950.D	2	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	380	460	ug/Kg
110-86-1	Pyridine	110	U	110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	380	460	ug/Kg
62-53-3	Aniline	140	U	140	180	240	ug/Kg
108-95-2	Phenol	120	U	120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	180	240	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	380	460	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	180	240	ug/Kg
98-86-2	Acetophenone	120	U	120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.2	U	56.2	110	110	ug/Kg
67-72-1	Hexachloroethane	120	U	120	180	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	180	240	ug/Kg
78-59-1	Isophorone	120	U	120	180	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	240	ug/Kg
65-85-0	Benzoic acid	330	U	330	380	460	ug/Kg
91-20-3	Naphthalene	120	U	120	180	240	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	240	ug/Kg



Client:			Date Collected:	10/17/2024 12:00:00 AM	
Project:			Date Received:	10/17/2024 12:00:00 AM	
Client Sample ID:	OG-315-HR-502-COMP-30		SDG No.:	BF102224	
Lab Sample ID:	P4443-06		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	14.1	
Sample Wt/Vol:	50.05	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
BF139950.D	2	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	99.6	U	99.6	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	240	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	240	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	240	ug/Kg
83-32-9	Acenaphthene	300		110	180	240	ug/Kg
Total PAH	Total PAH	27860		1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	460	ug/Kg
132-64-9	Dibenzofuran	140	J	120	180	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	180	480	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	240	ug/Kg
86-73-7	Fluorene	270		120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	240	ug/Kg
103-33-3	Azobenzene	110	U	110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	240	ug/Kg
1912-24-9	Atrazine	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.1
Sample Wt/Vol:	50.05	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
BF139950.D	2	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	460	ug/Kg
85-01-8	Phenanthrene	3800	E	120	180	240	ug/Kg
120-12-7	Anthracene	810		120	180	240	ug/Kg
86-74-8	Carbazole	230	J	110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	240	ug/Kg
206-44-0	Fluoranthene	5100	E	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	4100	E	120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	2900		110	180	240	ug/Kg
218-01-9	Chrysene	2400		110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300		130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	2600		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	960		120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	2100		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	990		110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	330		110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	59.29		18-112		40	SPK: -150
13127-88-3	Phenol-d6	63.222		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	52.236		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	63.246		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.1
Sample Wt/Vol:	50.05	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
BF139950.D	2	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	105.07		10-116		70	SPK: -150
1718-51-0	Terphenyl-d14	65.868		10-105		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126729	6.892				
1146-65-2	Naphthalene-d8	413406	8.169				
15067-26-2	Acenaphthene-d10	214433	9.928				
1517-22-2	Phenanthrene-d10	434105	11.416				
1719-03-5	Chrysene-d12	297075	14.057				
1520-96-3	Perylene-d12	248975	15.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	510	J			2.14	
001855-47-6	1-Isopropenylnaphthalene	140	J			10.539	
000119-61-9	Benzophenone	250	J			10.633	
000832-64-4	Phenanthrene, 4-methyl-	190	J			11.916	
002531-84-2	Phenanthrene, 2-methyl-	250	J			11.945	
000203-64-5	4H-Cyclopenta[def]phenanthrene	380	J			12.027	
000084-65-1	9,10-Anthracenedione	120	J			12.233	
003674-66-6	Phenanthrene, 2,5-dimethyl-	140	J			12.469	
002381-21-7	Pyrene, 1-methyl-	240	J			13.074	
033543-31-6	Fluoranthene, 2-methyl-	270	J			13.18	
003353-12-6	Pyrene, 4-methyl-	140	J			13.286	
000479-79-8	11H-Benzo[a]fluoren-11-one	170	J			13.692	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	170	J			13.804	
000082-05-3	7H-Benz[de]anthracen-7-one	220	J			13.898	
028504-24-7	3-Hydroxy-1-methoxyanthraquinone	260	J			14.916	
000205-82-3	Benzo[j]fluoranthene	1000	J			15.204	
000192-97-2	Benzo[e]pyrene	1400	J			15.41	
000629-97-0	Docosane	230	J			16.021	
000215-58-7	Benzo[b]triphenylene	510	J			16.845	

Report of Analysis

Client:		Date Collected:	10/17/2024 12:00:00 AM
Project:		Date Received:	10/17/2024 12:00:00 AM
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	BF102224
Lab Sample ID:	P4443-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.1
Sample Wt/Vol:	50.05 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
BF139950.D	2	10/21/2024 12:00:00 AM	10/23/2024 12:00:00 AM	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000226-88-0	Benzo[a]naphthacene	270	J			17.215	

Hit Summary Sheet SW-846

SDG No.: BF102224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-1								
P4385-02	SP-1	Solid	.beta.-Sitosterol	*	210.000	J		
P4385-02	SP-1	Solid	1-Heneicosanol	*	230.000	J		
P4385-02	SP-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	A		
P4385-02	SP-1	Solid	5-Eicosene, (E)-	*	300.000	J		
P4385-02	SP-1	Solid	Behenic alcohol	*	110.000	J		
P4385-02	SP-1	Solid	Benzophenone	*	570.000	J		
P4385-02	SP-1	Solid	Butane, 2-methoxy-2-methyl-	*	2,800.000	J		
P4385-02	SP-1	Solid	Eicosane	*	80.900	J		
P4385-02	SP-1	Solid	Hexacosane	*	230.000	J		
P4385-02	SP-1	Solid	Methanone, (1-hydroxycyclohexy	*	120.000	J		
P4385-02	SP-1	Solid	n-Hexadecanoic acid	*	240.000	J		
P4385-02	SP-1	Solid	Octadecanal	*	81.300	J		
P4385-02	SP-1	Solid	Oxalic acid, isobutyl heptadecyl e	*	77.400	J		
P4385-02	SP-1	Solid	Oxirane, hexadecyl-	*	110.000	J		
P4385-02	SP-1	Solid	Stigmasterol	*	140.000	J		

Total Tics : 5,489.60

Total Concentration: 5,489.60

Client ID : SP-2

P4385-04	SP-2	Solid	.gamma.-Sitosterol	*	280.000	J		
P4385-04	SP-2	Solid	1-Heneicosanol	*	240.000	J		
P4385-04	SP-2	Solid	1-Heptacosanol	*	290.000	J		
P4385-04	SP-2	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	140.000	A		
P4385-04	SP-2	Solid	Benzophenone	*	460.000	J		
P4385-04	SP-2	Solid	Butane, 2-methoxy-2-methyl-	*	2,200.000	J		
P4385-04	SP-2	Solid	Carbonic acid, octadecyl prop-1-e	*	90.700	J		
P4385-04	SP-2	Solid	Hexacosane	*	81.200	J		
P4385-04	SP-2	Solid	Methanone, (1-hydroxycyclohexy	*	97.700	J		
P4385-04	SP-2	Solid	Octacosanol	*	75.300	J		
P4385-04	SP-2	Solid	Octadecanal	*	150.000	J		
P4385-04	SP-2	Solid	Oxirane, heptadecyl-	*	75.600	J		
P4385-04	SP-2	Solid	Oxirane, hexadecyl-	*	97.300	J		
P4385-04	SP-2	Solid	Tetratetracontane	*	210.000	J		
P4385-04	SP-2	Solid	unknown17.221	*	170.000	J		

Total Tics : 4,657.80

Total Concentration: 4,657.80

Client ID : SP-3

Hit Summary Sheet SW-846

SDG No.: BF102224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4385-06	SP-3	Solid	.gamma.-Sitosterol	*	360.000	J		
P4385-06	SP-3	Solid	1,3-Propanediol, 2-dodecyl	*	91.200	J		
P4385-06	SP-3	Solid	1-Heneicosanol	*	360.000	J		
P4385-06	SP-3	Solid	1-Octadecene	*	98.300	J		
P4385-06	SP-3	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	A		
P4385-06	SP-3	Solid	3-Penten-2-one, 4-methyl-	*	160.000	A		
P4385-06	SP-3	Solid	Behenic alcohol	*	130.000	J		
P4385-06	SP-3	Solid	Benzophenone	*	510.000	J		
P4385-06	SP-3	Solid	Butane, 2-methoxy-2-methyl-	*	3,500.000	J		
P4385-06	SP-3	Solid	Heptadecane	*	140.000	J		
P4385-06	SP-3	Solid	Hexacosane	*	140.000	J		
P4385-06	SP-3	Solid	Methanone, (1-hydroxycyclohexy	*	100.000	J		
P4385-06	SP-3	Solid	Octacosanol	*	410.000	J		
P4385-06	SP-3	Solid	Octadecanal	*	140.000	J		
P4385-06	SP-3	Solid	Oxirane, hexadecyl-	*	120.000	J		
P4385-06	SP-3	Solid	Pentanedioic acid, dimethyl ester	*	82.000	J		
P4385-06	SP-3	Solid	Tetracosanal	*	200.000	J		
P4385-06	SP-3	Solid	Tetracosane	*	290.000	J		
P4385-06	SP-3	Solid	unknown17.227	*	250.000	J		

Total Tics : 7,361.50

Total Concentration: 7,361.50

Client ID : SP-4

P4385-08	SP-4	Solid	1-Heneicosanol	*	170.000	J		
P4385-08	SP-4	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	A		
P4385-08	SP-4	Solid	Butane, 2-methoxy-2-methyl-	*	2,200.000	J		

Total Tics : 2,530.00

Total Concentration: 2,530.00

Client ID : SP-5

P4385-10	SP-5	Solid	1-Tricosene	*	200.000	J		
P4385-10	SP-5	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	A		
P4385-10	SP-5	Solid	9-Tricosene, (Z)-	*	320.000	J		
P4385-10	SP-5	Solid	Benzophenone	*	120.000	J		
P4385-10	SP-5	Solid	Butane, 2-methoxy-2-methyl-	*	2,500.000	J		
P4385-10	SP-5	Solid	Carbonic acid, octadecyl prop-1-e	*	81.300	J		
P4385-10	SP-5	Solid	n-Hexadecanoic acid	*	370.000	J		
P4385-10	SP-5	Solid	Octadecanoic acid	*	72.400	J		
P4385-10	SP-5	Solid	Pentacosane	*	350.000	J		
P4385-10	SP-5	Solid	Tricosane	*	320.000	J		

Total Tics : 4,513.70

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SDG No.: BF102224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				4,513.70				
Client ID :	SP-6							
P4385-12	SP-6	Solid	1-Hexacosene	*	280.000	J		
P4385-12	SP-6	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	A		
P4385-12	SP-6	Solid	Benzophenone	*	130.000	J		
P4385-12	SP-6	Solid	Butane, 2-methoxy-2-methyl-	*	2,900.000	J		
P4385-12	SP-6	Solid	Heptadecane	*	82.200	J		
P4385-12	SP-6	Solid	n-Hexadecanoic acid	*	340.000	J		
P4385-12	SP-6	Solid	Octadecane	*	74.700	J		
P4385-12	SP-6	Solid	Supraene	*	91.800	J		
Total Tics :				4,108.70				
Total Concentration:				4,108.70				
Client ID :	SP-8							
P4385-16	SP-8	Solid	1-Heneicosanol	*	210.000	J		
P4385-16	SP-8	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	A		
P4385-16	SP-8	Solid	9-Tricosene, (Z)-	*	390.000	J		
P4385-16	SP-8	Solid	Benzophenone	*	140.000	J		
P4385-16	SP-8	Solid	Butane, 2-methoxy-2-methyl-	*	2,500.000	J		
P4385-16	SP-8	Solid	Cyclohexadecane	*	140.000	J		
P4385-16	SP-8	Solid	n-Hexadecanoic acid	*	480.000	J		
P4385-16	SP-8	Solid	Octadecanal	*	110.000	J		
P4385-16	SP-8	Solid	Octadecanoic acid	*	88.900	J		
P4385-16	SP-8	Solid	Pentadecane, 8-hexyl-	*	180.000	J		
P4385-16	SP-8	Solid	Pentanedioic acid, dimethyl ester	*	73.000	J		
P4385-16	SP-8	Solid	Tetracosane	*	380.000	J		
Total Tics :				4,881.90				
P4385-16	SP-8	Solid	Fluoranthene		95.300	J	86.4	180 ug/Kg
Total Svoc :				95.30				
Total Concentration:				4,977.20				
Client ID :	SP-9							
P4385-18	SP-9	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	120.000	A		
P4385-18	SP-9	Solid	5-Eicosene, (E)-	*	210.000	J		
P4385-18	SP-9	Solid	Benzophenone	*	90.200	J		
P4385-18	SP-9	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P4385-18	SP-9	Solid	Heneicosane	*	99.500	J		
P4385-18	SP-9	Solid	n-Hexadecanoic acid	*	190.000	J		
P4385-18	SP-9	Solid	Nonadecane	*	140.000	J		
Total Tics :				2,949.70				
Total Concentration:				2,949.70				

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SDG No.: BF102224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OG-315-HR-502-COMP-29								
P4443-01	OG-315-HR-502-COMP- Solid		.gamma.-Sitosterol	*	430.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		1-Docosene	*	100.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		2-Pentanone, 4-hydroxy-4-methyl	*	130.000	A		
P4443-01	OG-315-HR-502-COMP- Solid		5-Eicosene, (E)-	*	100.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Benzaldehyde, 3,5-dichloro-2-hyd	*	45.900	J		
P4443-01	OG-315-HR-502-COMP- Solid		Benzo[e]pyrene	*	230.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Benzophenone	*	97.100	J		
P4443-01	OG-315-HR-502-COMP- Solid		Bicyclo[10.8.0]eicosane, cis-	*	400.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Butane, 2-methoxy-2-methyl-	*	1,100.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Heneicosane	*	410.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Heptacosane	*	520.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		n-Hexadecanoic acid	*	320.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Octacosanol	*	270.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Octadecanal	*	340.000	J		
P4443-01	OG-315-HR-502-COMP- Solid		Octadecanoic acid	*	66.500	J		
P4443-01	OG-315-HR-502-COMP- Solid		Oxirane, heptadecyl-	*	210.000	J		
Total Tics :					4,769.50			
P4443-01	OG-315-HR-502-COMP- Solid		Benzo(a)anthracene		210.000	52.6	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Benzo(a)pyrene		230.000	60.6	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Benzo(b)fluoranthene		350.000	52.9	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Benzo(g,h,i)perylene		170.000	52.2	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Benzo(k)fluoranthene		160.000	53.8	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Bis(2-ethylhexyl)phthalate		280.000	59.3	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Chrysene		240.000	51.8	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Fluoranthene		430.000	53.3	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Indeno(1,2,3-cd)pyrene		130.000	50.9	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Phenanthrene		130.000	54.8	110	ug/Kg
P4443-01	OG-315-HR-502-COMP- Solid		Pyrene		260.000	54.1	110	ug/Kg
Total Svoc :					2,590.00			
Total Concentration:					7,359.50			
Client ID : OG-315-HR-502-COMP-29								
P4443-05	OG-315-HR-502-COMP- water		Benzidine		470.000	40.7	100	ug/L
Total Svoc :					470.00			
Total Concentration:					470.00			
Client ID : OG-315-HR-502-COMP-30								
P4443-06	OG-315-HR-502-COMP- Solid		1-Isopropenyl-naphthalene	*	140.000	J		
P4443-06	OG-315-HR-502-COMP- Solid		11H-Benzo[a]fluoren-11-one	*	170.000	J		
P4443-06	OG-315-HR-502-COMP- Solid		3-Hydroxy-1-methoxyanthraquin	*	260.000	J		
P4443-06	OG-315-HR-502-COMP- Solid		4H-Cyclopenta[def]phenanthrene	*	380.000	J		

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SDG No.: BF102224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4443-06	OG-315-HR-502-COMP-	Solid	7H-Benz[de]anthracen-7-one	*	220.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	9,10-Anthracenedione	*	120.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo[a]naphthacene	*	270.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	170.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo[b]triphenylene	*	510.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo[e]pyrene	*	1,400.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo[j]fluoranthene	*	1,000.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Benzophenone	*	250.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Butane, 2-methoxy-2-methyl-	*	510.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Docosane	*	230.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Fluoranthene, 2-methyl-	*	270.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Phenanthrene, 2,5-dimethyl-	*	140.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Phenanthrene, 2-methyl-	*	250.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Phenanthrene, 4-methyl-	*	190.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Pyrene, 1-methyl-	*	240.000	J		
P4443-06	OG-315-HR-502-COMP-	Solid	Pyrene, 4-methyl-	*	140.000	J		
Total Tics :					6,860.00			
P4443-06	OG-315-HR-502-COMP-	Solid	Acenaphthene		300.000	110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Anthracene		810.000	120	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo(a)anthracene		2,900.000	110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo(a)pyrene		2,100.000	130	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo(b)fluoranthene		2,600.000	110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo(g,h,i)perylene		1,200.000	110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Benzo(k)fluoranthene		960.000	120	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Bis(2-ethylhexyl)phthalate		300.000	130	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Carbazole		230.000	J 110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Chrysene		2,400.000	110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Dibenzo(a,h)anthracene		330.000	110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Dibenzofuran		140.000	J 120	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Fluoranthene		5,100.000	E 110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Fluorene		270.000	120	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Indeno(1,2,3-cd)pyrene		990.000	110	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Phenanthrene		3,800.000	E 120	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Pyrene		4,100.000	E 120	240	ug/Kg
P4443-06	OG-315-HR-502-COMP-	Solid	Total PAH		27,860.000	1850	3840	ug/Kg
Total Svoc :					56,390.00			
Total Concentration:					63,250.00			
Client ID : OG-315-HR-502-COMP-30								
P4443-10	OG-315-HR-502-COMP-	water	Benzidine		930.000	E 40.7	100	ug/L
Total Svoc :					930.00			



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BF102224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	930.00				
Client ID :	PAD-10182024							
P4456-01	PAD-10182024	Solid	Benzoic acid	710.000		140	200	ug/Kg
			Total Svoc :	710.00				
			Total Concentration:	710.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG No.: BF101824
Instrument ID: _____ Calibration Date(s): 10/18/2024
Calibration Time(s): 10:27

LAB FILE ID:		RRF2.5 = BF139844.D		RRF005 = BF139845.D		RRF010 = BF139846.D		
		RRF020 = BF139847.D		RRF040 = BF139848.D		RRF050 = BF139849.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.815	0.800	0.799	0.806	0.782	0.793	2.4
Pyridine		1.622	1.570	1.522	1.504	1.386	1.476	7.3
2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.278	10.1
Benzaldehyde			1.137	1.042	0.940	0.873	0.931	15.2
Aniline		1.673	1.649	1.618	1.582	1.471	1.542	8.1
Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.655	10.1
Phenol		1.952	1.832	1.760	1.712	1.583	1.706	9.2
bis(2-Chloroethyl)ether		1.470	1.423	1.359	1.294	1.251	1.319	7.8
2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.306	10.2
1,2-Dichlorobenzene		1.660	1.579	1.478	1.379	1.273	1.398	13.2
1,3-Dichlorobenzene		1.718	1.656	1.544	1.499	1.392	1.499	10.2
1,4-Dichlorobenzene		1.723	1.641	1.558	1.487	1.392	1.498	10.2
Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.214	8.1
2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.114	7.7
2,2-oxybis(1-Chloropropane)		2.524	2.409	2.353	2.255	2.117	2.248	8.7
Acetophenone		0.578	0.533	0.516	0.481	0.452	0.490	11.4
3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.424	12.4
n-Nitroso-di-n-propylamine	1.105	1.141	1.066	1.025	0.974	0.921	1.004	9.6
Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.361	2.9
Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.534	7.1
Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.396	4.1
Isophorone		0.755	0.709	0.702	0.679	0.652	0.685	5.9
2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.149	9.2
2,4-Dimethylphenol		0.285	0.259	0.256	0.248	0.237	0.249	8.1
bis(2-Chloroethoxy)methane		0.468	0.440	0.432	0.412	0.394	0.415	8.2
2,4-Dichlorophenol		0.308	0.297	0.293	0.283	0.272	0.283	6.2
1,2,4-Trichlorobenzene		0.351	0.331	0.325	0.315	0.298	0.314	7.7
Benzoic acid			0.175	0.207	0.220	0.231	0.217	10.7
Naphthalene		1.209	1.121	1.091	1.023	0.958	1.031	11.2
4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.352	9.3
Hexachlorobutadiene		0.224	0.206	0.203	0.197	0.185	0.197	8.0
Caprolactam		0.092	0.092	0.092	0.092	0.088	0.090	2.9
4-Chloro-3-methylphenol		0.341	0.328	0.324	0.315	0.299	0.314	6.0
2-Methylnaphthalene		0.740	0.689	0.666	0.621	0.587	0.632	11.1
Hexachlorocyclopentadiene		0.185	0.193	0.198	0.198	0.186	0.188	5.3
2,4,6-Trichlorophenol		0.405	0.382	0.400	0.387	0.363	0.382	4.8

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.: BF101824 SAS No.: BF101824 SDG No.: BF101824
Instrument ID: _____ Calibration Date(s): 10/18/2024
Calibration Time(s): 10:27

LAB FILE ID:		RRF2.5 = BF139844.D			RRF005 = BF139845.D		RRF010 = BF139846.D	
		RRF020 = BF139847.D			RRF040 = BF139848.D		RRF050 = BF139849.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.512	1.396	1.280	1.162	1.088	1.210	16.0
2,4,5-Trichlorophenol		0.426	0.425	0.398	0.401	0.381	0.394	6.6
1,1-Biphenyl		1.640	1.536	1.483	1.379	1.285	1.392	12.2
2-Chloronaphthalene		1.288	1.225	1.164	1.111	1.048	1.121	10.0
2-Nitroaniline		0.299	0.318	0.353	0.365	0.354	0.343	7.2
Dimethylphthalate		1.410	1.344	1.283	1.237	1.172	1.246	8.6
Acenaphthylene		1.854	1.756	1.717	1.615	1.507	1.621	10.1
2,6-Dinitrotoluene		0.256	0.266	0.278	0.280	0.273	0.270	3.4
3-Nitroaniline		0.270	0.275	0.296	0.292	0.276	0.278	4.8
Acenaphthene		1.200	1.136	1.089	1.044	0.977	1.049	9.5
2,4-Dinitrophenol			0.056	0.077	0.101	0.101	0.093	23.9
4-Nitrophenol		0.187	0.207	0.225	0.232	0.219	0.214	6.8
Dibenzofuran		1.767	1.659	1.579	1.486	1.389	1.505	11.5
2,4-Dinitrotoluene		0.280	0.314	0.337	0.356	0.344	0.332	7.9
Diethylphthalate		1.366	1.308	1.267	1.214	1.165	1.223	8.0
4-Chlorophenyl-phenylether		0.698	0.638	0.617	0.569	0.526	0.579	13.1
Fluorene		1.409	1.309	1.201	1.110	1.029	1.146	14.7
4-Nitroaniline		0.249	0.259	0.270	0.275	0.263	0.263	3.6
4,6-Dinitro-2-methylphenol			0.055	0.072	0.087	0.090	0.082	18.6
n-Nitrosodiphenylamine		0.672	0.641	0.621	0.595	0.568	0.599	8.1
Azobenzene		1.459	1.385	1.355	1.306	1.216	1.297	8.6
2,4,6-Tribromophenol		0.201	0.196	0.193	0.188	0.179	0.187	5.5
4-Bromophenyl-phenylether		0.230	0.217	0.211	0.202	0.197	0.206	7.0
Hexachlorobenzene		0.258	0.245	0.237	0.231	0.217	0.232	7.2
Atrazine		0.189	0.175	0.156	0.175	0.135	0.162	11.4
Pentachlorophenol		0.118	0.137	0.148	0.152	0.145	0.141	8.0
Phenanthrene		1.121	1.035	0.994	0.933	0.863	0.945	11.8
Anthracene		1.082	1.014	0.972	0.913	0.851	0.922	11.5
Carbazole		1.002	0.964	0.923	0.846	0.776	0.857	12.6
Di-n-butylphthalate		1.104	1.071	1.062	1.014	0.923	0.990	9.8
Fluoranthene		1.149	1.108	1.036	0.943	0.842	0.955	15.3
Benzidine		0.457	0.461	0.293	0.366	0.276	0.329	30.9
Pyrene		1.892	1.828	1.900	1.805	1.685	1.751	8.4
Terphenyl-d14		1.381	1.335	1.340	1.244	1.154	1.227	11.0
Butylbenzylphthalate		0.490	0.513	0.536	0.555	0.535	0.525	4.0
3,3-Dichlorobenzidine		0.368	0.372	0.390	0.387	0.374	0.380	2.2

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.: BF101824 SAS No.: BF101824 SDG No.: BF101824
Instrument ID: _____ Calibration Date(s): 10/18/2024
Calibration Time(s): 10:27

LAB FILE ID:		RRF2.5 = BF139844.D			RRF005 = BF139845.D		RRF010 = BF139846.D	
		RRF020 = BF139847.D			RRF040 = BF139848.D		RRF050 = BF139849.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.425	1.355	1.329	1.331	1.267	1.302	6.5
Chrysene		1.325	1.244	1.234	1.167	1.134	1.194	6.5
Bis(2-ethylhexyl)phthalate		0.520	0.539	0.577	0.626	0.620	0.589	7.5
Di-n-octyl phthalate			0.786	0.930	1.135	1.182	1.071	16.1
Benzo(b)fluoranthene		1.317	1.240	1.319	1.196	1.105	1.218	7.1
Benzo(k)fluoranthene		1.213	1.177	0.992	1.066	1.030	1.051	10.4
Benzo(a)pyrene		1.030	1.024	1.018	1.025	0.974	1.002	3.1
Indeno(1,2,3-cd)pyrene		1.209	1.261	1.307	1.352	1.299	1.287	3.8
Dibenzo(a,h)anthracene		1.021	1.064	1.103	1.120	1.083	1.073	3.3
Benzo(g,h,i)perylene		1.030	1.046	1.090	1.128	1.081	1.072	3.4
1,2,4,5-Tetrachlorobenzene		0.609	0.579	0.562	0.537	0.512	0.540	8.7
1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.596	5.7
2,3,4,6-Tetrachlorophenol		0.334	0.322	0.326	0.310	0.296	0.309	6.3
1-Methylnaphthalene		0.726	0.683	0.655	0.612	0.569	0.620	11.5

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.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 10:07

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	181899	6.892	688880	8.18	379753	9.93
	UPPER LIMIT	363798	7.392	1377760	8.675	759506	10.427
	LOWER LIMIT	90949.5	6.392	344440	7.675	189876.5	9.427
	EPA SAMPLE NO.						
01	PB164152BL	172111	6.89	677974	8.17	382757	9.93
02	PB164152BS	162299	6.89	620667	8.18	346872	9.93
03	PB164071BL	150261	6.89	593957	8.17	338069	9.93
04	PB164071BS	149304	6.89	587812	8.18	331508	9.93
05	PB164176BL	162938	6.89	637514	8.17	364122	9.93
06	PB164176BS	165542	6.89	634379	8.18	355350	9.93
07	PB164246BL	149368	6.89	584470	8.17	333046	9.93
08	PB164246BS	164776	6.89	634121	8.18	351756	9.93
09	PB164154BL	163319	6.89	633200	8.17	357885	9.93
10	ETGI-285	136762	6.89	515571	8.17	275792	9.93
11	IB-1	141170	6.89	543197	8.17	301482	9.93
12	IB-1MS	138600	6.89	525254	8.18	276307	9.93
13	IB-1MSD	138748	6.89	523454	8.18	277058	9.93
14	280517	153847	6.89	601143	8.17	337857	9.92
15	OG-315-HR-502-COMP-29	159946	6.89	617451	8.17	338141	9.92
16	OG-315-HR-502-COMP-30	151455	6.89	577359	8.17	309203	9.92
17	SP-4	137459	6.89	530285	8.17	284175	9.92
18	SP-2	151716	6.89	581488	8.17	304861	9.92
19	SP-3	133976	6.89	526107	8.17	267934	9.92
20	Hawthorne TP SoilMSD	155702	6.89	581800	8.18	298537	9.93
21	Hawthorne TP SoilMS	144166	6.89	550141	8.18	283510	9.93
22	SP-1	136890	6.89	521113	8.17	254785	9.92
23	PAD-10182024	112241	6.89	373220	8.17	190672	9.93

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 22:17

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	181899	6.892	688880	8.18	379753	9.93
UPPER LIMIT	363798	7.392	1377760	8.675	759506	10.427
LOWER LIMIT	90949.5	6.392	344440	7.675	189876.5	9.427
EPA SAMPLE NO.						
24 72-11934MS	135429	6.89	493211	8.18	232904	9.93
25 72-11934MSD	142085	6.89	509979	8.18	232282	9.93
26 SP-8	119007	6.89	400056	8.17	182483 *	9.93
27 SP-9	125462	6.89	412661	8.17	187614 *	9.92
28 SP-6	114279	6.89	384129	8.17	173441 *	9.93
29 OG-315-HR-502-COMP-29	113022	6.89	368389	8.17	177730 *	9.93
30 SP-5	108490	6.89	354595	8.17	170918 *	9.93
31 OG-315-HR-502-COMP-30	126729	6.89	413406	8.17	214433	9.93

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.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139917.D Time Analyzed: 10:07

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	157034	6.892	594103	8.18	330233	9.93
UPPER LIMIT	314068	7.392	1188206	8.675	660466	10.433
LOWER LIMIT	78517	6.392	297051.5	7.675	165116.5	9.433
EPA SAMPLE NO.						
01 PB164152BL	172111	6.89	677974	8.17	382757	9.93
02 PB164152BS	162299	6.89	620667	8.18	346872	9.93
03 PB164071BL	150261	6.89	593957	8.17	338069	9.93
04 PB164071BS	149304	6.89	587812	8.18	331508	9.93
05 PB164176BL	162938	6.89	637514	8.17	364122	9.93
06 PB164176BS	165542	6.89	634379	8.18	355350	9.93
07 PB164246BL	149368	6.89	584470	8.17	333046	9.93
08 PB164246BS	164776	6.89	634121	8.18	351756	9.93

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.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDCCC040

Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139927.D

Time Analyzed: 14:58

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	169434	6.893	628861	8.18	340877	9.93
	UPPER LIMIT	338868	7.393	1257722	8.675	681754	10.428
	LOWER LIMIT	84717	6.393	314430.5	7.675	170438.5	9.428
	EPA SAMPLE NO.						
01	PB164154BL	163319	6.89	633200	8.17	357885	9.93
02	ETGI-285	136762	6.89	515571	8.17	275792	9.93
03	IB-1	141170	6.89	543197	8.17	301482	9.93
04	IB-1MS	138600	6.89	525254	8.18	276307	9.93
05	IB-1MSD	138748	6.89	523454	8.18	277058	9.93
06	280517	153847	6.89	601143	8.17	337857	9.92
07	OG-315-HR-502-COMP-29	159946	6.89	617451	8.17	338141	9.92
08	OG-315-HR-502-COMP-30	151455	6.89	577359	8.17	309203	9.92
09	SP-4	137459	6.89	530285	8.17	284175	9.92
10	SP-2	151716	6.89	581488	8.17	304861	9.92
11	SP-3	133976	6.89	526107	8.17	267934	9.92
12	Hawthorne TP SoilMSD	155702	6.89	581800	8.18	298537	9.93
13	Hawthorne TP SoilMS	144166	6.89	550141	8.18	283510	9.93
14	SP-1	136890	6.89	521113	8.17	254785	9.92
15	PAD-10182024	112241	6.89	373220	8.17	190672	9.93
16	72-11934MS	135429	6.89	493211	8.18	232904	9.93
17	72-11934MSD	142085	6.89	509979	8.18	232282	9.93
18	SP-8	119007	6.89	400056	8.17	182483	9.93
19	SP-9	125462	6.89	412661	8.17	187614	9.92
20	SP-6	114279	6.89	384129	8.17	173441	9.93
21	OG-315-HR-502-COMP-29	113022	6.89	368389	8.17	177730	9.93
22	SP-5	108490	6.89	354595	8.17	170918	9.93
23	OG-315-HR-502-COMP-30	126729	6.89	413406	8.17	214433	9.93

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

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

Lab File ID: BF139927.D Time Analyzed: 01:36

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	169434	6.893	628861	8.18	340877	9.93
UPPER LIMIT	338868	7.393	1257722	8.675	681754	10.428
LOWER LIMIT	84717	6.393	314430.5	7.675	170438.5	9.428
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.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 10:07

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	663459	11.416	345800	14.051	365076	15.527
	UPPER LIMIT	1326918	11.916	691600	14.551	730152	16.027
	LOWER LIMIT	331729.5	10.916	172900	13.551	182538	15.027
	EPA SAMPLE NO.						
01	PB164152BL	694413	11.42	463918	14.05	350902	15.53
02	PB164152BS	608883	11.42	289688	14.06	337140	15.53
03	PB164071BL	611789	11.41	390858	14.05	293996	15.53
04	PB164071BS	575136	11.42	270065	14.06	308770	15.53
05	PB164176BL	656273	11.41	410355	14.05	318222	15.53
06	PB164176BS	625992	11.42	293284	14.06	338967	15.53
07	PB164246BL	597687	11.41	352121	14.05	296042	15.53
08	PB164246BS	613564	11.42	286399	14.06	336781	15.53
09	PB164154BL	642786	11.41	375705	14.05	319185	15.53
10	ETGI-285	425456	11.41	284852	14.05	333407	15.53
11	IB-1	495516	11.41	303793	14.05	338389	15.53
12	IB-1MS	414563	11.42	284603	14.06	347037	15.53
13	IB-1MSD	425203	11.42	290316	14.06	350694	15.53
14	280517	547874	11.41	340381	14.05	368693	15.53
15	OG-315-HR-502-COMP-29	530553	11.41	336688	14.05	373899	15.53
16	OG-315-HR-502-COMP-30	475855	11.41	325699	14.05	354964	15.53
17	SP-4	435012	11.41	296989	14.05	339367	15.53
18	SP-2	449838	11.41	325843	14.05	359851	15.53
19	SP-3	399571	11.41	295422	14.05	332333	15.53
20	Hawthorne TP SoilMSD	449643	11.42	313612	14.06	387261	15.53
21	Hawthorne TP SoilMS	418504	11.42	292588	14.05	350468	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 21:20

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	663459	11.416	345800	14.051	365076	15.527
UPPER LIMIT	1326918	11.916	691600	14.551	730152	16.027
LOWER LIMIT	331729.5	10.916	172900	13.551	182538	15.027
EPA SAMPLE NO.						
22 SP-1	372133	11.41	303301	14.05	324928	15.53
23 PAD-10182024	235848 *	11.42	230587	14.11	185430	15.56
24 72-11934MS	338127	11.42	286551	14.06	265643	15.53
25 72-11934MSD	353031	11.42	304375	14.06	262279	15.53
26 SP-8	307887 *	11.41	297752	14.05	223198	15.53
27 SP-9	327445 *	11.41	323147	14.05	234771	15.53
28 SP-6	309030 *	11.41	295313	14.05	215288	15.53
29 OG-315-HR-502-COMP-29	339935	11.41	284746	14.05	206032	15.53
30 SP-5	337324	11.41	293042	14.05	205540	15.53
31 OG-315-HR-502-COMP-30	434105	11.42	297075	14.06	248975	15.54

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.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139917.D Time Analyzed: 10:07

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	578135	11.416	280536	14.057	304746	15.533
UPPER LIMIT	1156270	11.916	561072	14.557	609492	16.033
LOWER LIMIT	289067.5	10.916	140268	13.557	152373	15.033
EPA SAMPLE NO.						
01 PB164152BL	694413	11.42	463918	14.05	350902	15.53
02 PB164152BS	608883	11.42	289688	14.06	337140	15.53
03 PB164071BL	611789	11.41	390858	14.05	293996	15.53
04 PB164071BS	575136	11.42	270065	14.06	308770	15.53
05 PB164176BL	656273	11.41	410355	14.05	318222	15.53
06 PB164176BS	625992	11.42	293284	14.06	338967	15.53
07 PB164246BL	597687	11.41	352121	14.05	296042	15.53
08 PB164246BS	613564	11.42	286399	14.06	336781	15.53

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.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BF139927.D Time Analyzed: 14:58

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	576195	11.416	272427	14.051	340524	15.533
	UPPER LIMIT	1152390	11.916	544854	14.551	681048	16.033
	LOWER LIMIT	288097.5	10.916	136213.5	13.551	170262	15.033
	EPA SAMPLE NO.						
01	PB164154BL	642786	11.41	375705	14.05	319185	15.53
02	ETGI-285	425456	11.41	284852	14.05	333407	15.53
03	IB-1	495516	11.41	303793	14.05	338389	15.53
04	IB-1MS	414563	11.42	284603	14.06	347037	15.53
05	IB-1MSD	425203	11.42	290316	14.06	350694	15.53
06	280517	547874	11.41	340381	14.05	368693	15.53
07	OG-315-HR-502-COMP-29	530553	11.41	336688	14.05	373899	15.53
08	OG-315-HR-502-COMP-30	475855	11.41	325699	14.05	354964	15.53
09	SP-4	435012	11.41	296989	14.05	339367	15.53
10	SP-2	449838	11.41	325843	14.05	359851	15.53
11	SP-3	399571	11.41	295422	14.05	332333	15.53
12	Hawthorne TP SoilMSD	449643	11.42	313612	14.06	387261	15.53
13	Hawthorne TP SoilMS	418504	11.42	292588	14.05	350468	15.53
14	SP-1	372133	11.41	303301	14.05	324928	15.53
15	PAD-10182024	235848 *	11.42	230587	14.11	185430	15.56
16	72-11934MS	338127	11.42	286551	14.06	265643	15.53
17	72-11934MSD	353031	11.42	304375	14.06	262279	15.53
18	SP-8	307887	11.41	297752	14.05	223198	15.53
19	SP-9	327445	11.41	323147	14.05	234771	15.53
20	SP-6	309030	11.41	295313	14.05	215288	15.53
21	OG-315-HR-502-COMP-29	339935	11.41	284746	14.05	206032	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF102224 SAS No.: BF102224 SDG NO.: BF102224

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

Lab File ID: BF139927.D Time Analyzed: 01:08

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	576195	11.416	272427	14.051	340524	15.533
UPPER LIMIT	1152390	11.916	544854	14.551	681048	16.033
LOWER LIMIT	288097.5	10.916	136213.5	13.551	170262	15.033
EPA SAMPLE NO.						
22 SP-5	337324	11.41	293042	14.05	205540	15.53
23 OG-315-HR-502-COMP-30	434105	11.42	297075	14.06	248975	15.54

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.: BF102224

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164071BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1400	ug/Kg	82				28	98	
	Benzaldehyde	1700	640	ug/Kg	38				10	133	
	Aniline	1700	1400	ug/Kg	82				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1700	ug/Kg	100				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1900	ug/Kg	112		*		61	111	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				46	141	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	670	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	6200	ug/Kg	188		*		45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1800	ug/Kg	106		*		66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
Acenaphthene	1700	1800	ug/Kg	106		*		57	104		
Total PAH		27200	28100	ug/Kg	103				57	104	
2,4-Dinitrophenol		3300	4200	ug/Kg	127				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF102224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB164071BS	4-Nitrophenol	3300	3600	ug/Kg	109				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	3400	3600	ug/Kg	106				60	106	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	2400	ug/Kg	141		*		76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100		*		71	99	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				66	102	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1900	ug/Kg	112				47	152	
	Pentachlorophenol	3300	3400	ug/Kg	103				67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	1800	ug/Kg	55				10	98	
	Pyrene	1700	1900	ug/Kg	112		*		59	103	
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1800	ug/Kg	106		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118				54	135	
	Di-n-octyl phthalate	1700	2000	ug/Kg	118				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	2000	ug/Kg	118		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	
	1-Methylnaphthalene	1700	1600	ug/Kg	94				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF102224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164152BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103		
	Pyridine	1700	1200	ug/Kg	71				28	98		
	Benzaldehyde	1700	530	ug/Kg	31				10	133		
	Aniline	1700	1400	ug/Kg	82				38	100		
	Phenol	1700	1400	ug/Kg	82				62	112		
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101		
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112		
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102		
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99		
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100		
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116		
	2-Methylphenol	1700	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100		
	Acetophenone	1700	1400	ug/Kg	82				66	98		
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111		
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95		
	Hexachloroethane	1700	1400	ug/Kg	82				72	108		
	Nitrobenzene	1700	1400	ug/Kg	82				57	101		
	Isophorone	1700	1400	ug/Kg	82				59	99		
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111		
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97		
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107		
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110		
	Benzoic acid	1700	1400	ug/Kg	82				10	140		
	Naphthalene	1700	1400	ug/Kg	82				62	100		
	4-Chloroaniline	1700	860	ug/Kg	51				16	100		
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98		
	Caprolactam	1700	1400	ug/Kg	82				67	110		
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	5600	ug/Kg	170		*		45	165		
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102		
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98		
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103		
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99		
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101		
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99		
	Acenaphthylene	1700	1500	ug/Kg	88				63	101		
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104		
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
	Acenaphthene	1700	1600	ug/Kg	94				57	104		
	Total PAH	27200	24100	ug/Kg	89				57	104		
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF102224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164152BS	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118		*		76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				71	99	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	1900	ug/Kg	58				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF102224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164176BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103		
	Pyridine	1700	1300	ug/Kg	76				28	98		
	Benzaldehyde	1700	520	ug/Kg	31				10	133		
	Aniline	1700	1400	ug/Kg	82				38	100		
	Phenol	1700	1500	ug/Kg	88				62	112		
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101		
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112		
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102		
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99		
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100		
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116		
	2-Methylphenol	1700	1500	ug/Kg	88				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100		
	Acetophenone	1700	1500	ug/Kg	88				66	98		
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111		
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95		
	Hexachloroethane	1700	1500	ug/Kg	88				72	108		
	Nitrobenzene	1700	1400	ug/Kg	82				57	101		
	Isophorone	1700	1500	ug/Kg	88				59	99		
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111		
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				46	141		
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97		
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107		
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110		
	Benzoic acid	1700	1500	ug/Kg	88				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	620	ug/Kg	36				16	100		
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98		
	Caprolactam	1700	1600	ug/Kg	94				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104		
	Hexachlorocyclopentadiene	3300	5800	ug/Kg	176		*		45	165		
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102		
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98		
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103		
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99		
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101		
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99		
	Acenaphthylene	1700	1600	ug/Kg	94				63	101		
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104		
	3-Nitroaniline	1700	940	ug/Kg	55				28	100		
	Acenaphthene	1700	1700	ug/Kg	100				57	104		
	Total PAH	27200	25500	ug/Kg	94				57	104		
	2,4-Dinitrophenol	3300	3900	ug/Kg	118				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF102224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164176BS	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	3400	3300	ug/Kg	97				60	106	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	2100	ug/Kg	124		*		76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1800	ug/Kg	106				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1800	ug/Kg	55				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF102224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164246BS	n-Nitrosodimethylamine	50	42.8	ug/L	86				55	108	
	Pyridine	50	39.1	ug/L	78				29	97	
	Benzaldehyde	50	16	ug/L	32				10	162	
	Aniline	50	41.4	ug/L	83				10	130	
	Phenol	50	46.2	ug/L	92				66	118	
	bis(2-Chloroethyl)ether	50	45.6	ug/L	91				62	103	
	2-Chlorophenol	50	48.2	ug/L	96				70	117	
	1,2-Dichlorobenzene	50	46.1	ug/L	92				72	102	
	1,3-Dichlorobenzene	50	44.3	ug/L	89				71	103	
	1,4-Dichlorobenzene	50	45.1	ug/L	90				76	103	
	Benzyl Alcohol	50	47.5	ug/L	95		*		36	93	
	2-Methylphenol	50	47.1	ug/L	94				69	109	
	2,2-oxybis(1-Chloropropane)	50	45.9	ug/L	92				65	100	
	Acetophenone	50	44.7	ug/L	89				60	104	
	3+4-Methylphenols	50	44.5	ug/L	89				67	106	
	N-Nitroso-di-n-propylamine	50	45.1	ug/L	90				57	107	
	Hexachloroethane	50	45.6	ug/L	91				76	118	
	Nitrobenzene	50	44.7	ug/L	89				58	106	
	Isophorone	50	47	ug/L	94				61	102	
	2-Nitrophenol	50	55.7	ug/L	111				70	115	
	2,4-Dimethylphenol	50	54.5	ug/L	109				42	142	
	bis(2-Chloroethoxy)methane	50	46.3	ug/L	93				58	109	
	2,4-Dichlorophenol	50	47.6	ug/L	95				66	115	
	1,2,4-Trichlorobenzene	50	44.8	ug/L	90				41	115	
	Benzoic acid	50	47.3	ug/L	95				10	125	
	Naphthalene	50	45.3	ug/L	91				64	107	
	4-Chloroaniline	50	17.2	ug/L	34				10	85	
	Hexachlorobutadiene	50	46.3	ug/L	93				69	101	
	Caprolactam	50	48.3	ug/L	97				58	128	
	4-Chloro-3-methylphenol	50	46.7	ug/L	93				65	114	
	2-Methylnaphthalene	50	46.7	ug/L	93				64	107	
	Hexachlorocyclopentadiene	100	180	ug/L	180		*		36	160	
	2,4,6-Trichlorophenol	50	48.9	ug/L	98				61	110	
	2,4,5-Trichlorophenol	50	47.8	ug/L	96				70	106	
	1,1-Biphenyl	50	45.7	ug/L	91				72	98	
	2-Chloronaphthalene	50	45	ug/L	90				59	106	
	2-Nitroaniline	50	51.2	ug/L	102				73	114	
	Dimethylphthalate	50	48	ug/L	96				64	103	
	Acenaphthylene	50	49	ug/L	98				79	103	
	2,6-Dinitrotoluene	50	49.2	ug/L	98				64	110	
	3-Nitroaniline	50	29	ug/L	58				28	100	
	Acenaphthene	50	52.2	ug/L	104				59	113	
	Total PAH	800	795.9	ug/L	99				59	113	
	2,4-Dinitrophenol	100	120	ug/L	120				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits		RPD
								Qual		High		
PB164246BS	4-Nitrophenol	100	100	ug/L	100				45		147	
	Dibenzofuran	50	46.9	ug/L	94				65		106	
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	103.2	ug/L	103				60		115	
	2,4-Dinitrotoluene	50	54	ug/L	108				60		115	
	Diethylphthalate	50	47	ug/L	94				63		105	
	4-Chlorophenyl-phenylether	50	46.8	ug/L	94				61		104	
	Fluorene	50	46.5	ug/L	93				64		107	
	4-Nitroaniline	50	49.6	ug/L	99				55		125	
	4,6-Dinitro-2-methylphenol	50	67.1	ug/L	134		*		62		132	
	N-Nitrosodiphenylamine	50	47.5	ug/L	95				61		109	
	Azobenzene	50	46.1	ug/L	92				59		106	
	4-Bromophenyl-phenylether	50	48.6	ug/L	97				73		103	
	Hexachlorobenzene	50	48.1	ug/L	96				73		106	
	Atrazine	50	55.7	ug/L	111				76		120	
	Pentachlorophenol	100	97.8	ug/L	98				47		114	
	Phenanthrene	50	47.6	ug/L	95				62		109	
	Anthracene	50	49.2	ug/L	98				65		110	
	Carbazole	50	45.6	ug/L	91				62		106	
	Di-n-butylphthalate	50	46.2	ug/L	92				64		106	
	Fluoranthene	50	45.6	ug/L	91				64		110	
	Benzidine	100	51.8	ug/L	52				10		94	
	Pyrene	50	53.1	ug/L	106		*		71		103	
	Butylbenzylphthalate	50	52.9	ug/L	106		*		61		105	
	3,3-Dichlorobenzidine	50	32.4	ug/L	65				43		108	
	Benzo(a)anthracene	50	49.4	ug/L	99				62		107	
	Chrysene	50	49.9	ug/L	100				61		108	
	bis(2-Ethylhexyl)phthalate	50	56.3	ug/L	113		*		59		110	
	Di-n-octyl phthalate	50	57.5	ug/L	115				52		139	
	Benzo(b)fluoranthene	50	48.1	ug/L	96				77		113	
	Benzo(k)fluoranthene	50	45.1	ug/L	90				77		105	
	Benzo(a)pyrene	50	52.8	ug/L	106				72		131	
	Indeno(1,2,3-cd)pyrene	50	55.9	ug/L	112		*		72		105	
	Dibenz(a,h)anthracene	50	54.7	ug/L	109				78		115	
	Benzo(g,h,i)perylene	50	51.5	ug/L	103				75		118	
	1,2,4,5-Tetrachlorobenzene	50	46	ug/L	92				72		101	
	1,4-Dioxane	50	36.2	ug/L	72				38		125	
	2,3,4,6-Tetrachlorophenol	50	50.9	ug/L	102				63		116	
	1-Methylnaphthalene	50	44	ug/L	88				51		114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164071BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139920.D

Lab Sample ID: PB164071BL

Instrument ID: BNA_F

Date Extracted: 10/11/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 11:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164071BS	PB164071BS	BF139921.D	10/22/2024
SP-4	P4385-08	BF139936.D	10/22/2024
SP-2	P4385-04	BF139937.D	10/22/2024
SP-3	P4385-06	BF139938.D	10/22/2024
SP-1	P4385-02	BF139941.D	10/22/2024
SP-8	P4385-16	BF139945.D	10/22/2024
SP-9	P4385-18	BF139946.D	10/22/2024
SP-6	P4385-12	BF139947.D	10/23/2024
SP-5	P4385-10	BF139949.D	10/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164152BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139918.D

Lab Sample ID: PB164152BL

Instrument ID: BNA_F

Date Extracted: 10/15/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 10:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164152BS	PB164152BS	BF139919.D	10/22/2024
Hawthorne TP SoilMSD	P4403-01MSD	BF139939.D	10/22/2024
Hawthorne TP SoilMS	P4403-01MS	BF139940.D	10/22/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164154BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139928.D

Lab Sample ID: PB164154BL

Instrument ID: BNA_F

Date Extracted: 10/15/2024

Matrix: (soil/water) Water

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 14:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164176BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139922.D

Lab Sample ID: PB164176BL

Instrument ID: BNA_F

Date Extracted: 10/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 12:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164176BS	PB164176BS	BF139923.D	10/22/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

72-11934MS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139943.D

Lab Sample ID: P4431-01MS

Instrument ID: BNA_F

Date Extracted: 10/18/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 22:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
72-11934MS	P4431-01MS	BF139943.D	10/22/2024
72-11934MSD	P4431-01MSD	BF139944.D	10/22/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164246BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139924.D

Lab Sample ID: PB164246BL

Instrument ID: BNA_F

Date Extracted: 10/18/2024

Matrix: (soil/water) water

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 13:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164246BS	PB164246BS	BF139925.D	10/22/2024
IB-1	P4419-04	BF139930.D	10/22/2024
IB-1MS	P4419-04MS	BF139931.D	10/22/2024
IB-1MSD	P4419-04MSD	BF139932.D	10/22/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ETGI-285

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139929.D

Lab Sample ID: P4452-01

Instrument ID: BNA_F

Date Extracted: 10/21/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 15:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ETGI-285	P4452-01	BF139929.D	10/22/2024
PAD-10182024	P4456-01	BF139942.D	10/22/2024
OG-315-HR-502-COMP-29	P4443-01	BF139948.D	10/23/2024
OG-315-HR-502-COMP-30	P4443-06	BF139950.D	10/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

280517

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF102224

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139933.D

Lab Sample ID: P4458-02

Instrument ID: BNA_F

Date Extracted: 10/22/2024

Matrix: (soil/water) water

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 17:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
280517	P4458-02	BF139933.D	10/22/2024
OG-315-HR-502-COMP-29	P4443-05	BF139934.D	10/22/2024
OG-315-HR-502-COMP-30	P4443-10	BF139935.D	10/22/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4431-01MS		Client Sample ID: 72-11934MS		DataFile: BF139943.D							
n-Nitrosodimethylamine	1100		1000	ug/Kg	91				66	124	
Pyridine	1100		990	ug/Kg	90				45	119	
Benzaldehyde	1100		370	ug/Kg	34				10	86	
Aniline	1100		470	ug/Kg	43				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100				54	125	
2-Chlorophenol	1100		1100	ug/Kg	100				79	107	
1,2-Dichlorobenzene	1100		1100	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1100		1100	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1100		1100	ug/Kg	100				63	104	
Benzyl Alcohol	1100		1100	ug/Kg	100				47	126	
2-Methylphenol	1100		1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100		1100	ug/Kg	100				65	110	
Acetophenone	1100		1100	ug/Kg	100				75	111	
3+4-Methylphenols	1100		1000	ug/Kg	91				66	104	
N-Nitroso-di-n-propylamine	1100		1100	ug/Kg	100				59	119	
Hexachloroethane	1100		1100	ug/Kg	100				65	117	
Nitrobenzene	1100		1100	ug/Kg	100				70	119	
Isophorone	1100		1100	ug/Kg	100				76	122	
2-Nitrophenol	1100		1300	ug/Kg	118				54	145	
2,4-Dimethylphenol	1100		1300	ug/Kg	118				44	135	
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100				57	103	
Benzoic acid	1100		720	ug/Kg	65				50	104	
Naphthalene	1100		1100	ug/Kg	100				72	110	
4-Chloroaniline	1100		200	ug/Kg	18				10	91	
Hexachlorobutadiene	1100		1200	ug/Kg	109				66	114	
Caprolactam	1100		880	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	1100		980	ug/Kg	89				57	132	
2-Methylnaphthalene	1100		1100	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2300		3400	ug/Kg	148				10	175	
2,4,6-Trichlorophenol	1100		1200	ug/Kg	109				72	117	
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
1,1-Biphenyl	1100		1200	ug/Kg	109				75	113	
2-Chloronaphthalene	1100		1200	ug/Kg	109				67	118	
2-Nitroaniline	1100		1200	ug/Kg	109				69	127	
Dimethylphthalate	1100		1200	ug/Kg	109				70	113	
Acenaphthylene	1100		1300	ug/Kg	118				79	118	
2,6-Dinitrotoluene	1100		1200	ug/Kg	109				70	125	
3-Nitroaniline	1100		580	ug/Kg	53				30	99	
Acenaphthene	1100		1200	ug/Kg	109				70	121	
Total PAH	17600	5434.7	23040	ug/Kg	131	*			70	121	
2,4-Dinitrophenol	2300		1000	ug/Kg	43				10	155	
4-Nitrophenol	2300		2100	ug/Kg	91				45	133	
Dibenzofuran	1100		1100	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

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	2200		2400	ug/Kg	109				55	128	
2,4-Dinitrotoluene	1100		1200	ug/Kg	109				55	128	
Diethylphthalate	1100		1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100				71	108	
Fluorene	1100		1100	ug/Kg	100				68	116	
4-Nitroaniline	1100		920	ug/Kg	84				55	120	
4,6-Dinitro-2-methylphenol	1100		890	ug/Kg	81				10	160	
N-Nitrosodiphenylamine	1100		1300	ug/Kg	118				73	118	
Azobenzene	1100		1100	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1100		1300	ug/Kg	118				65	121	
Hexachlorobenzene	1100		1200	ug/Kg	109				67	118	
Atrazine	1100		1500	ug/Kg	136	*			79	127	
Pentachlorophenol	2300	230	2700	ug/Kg	107				47	128	
Phenanthrene	1100	510	1600	ug/Kg	99				52	128	
Anthracene	1100	91.3	1300	ug/Kg	110				62	124	
Carbazole	1100	0	1200	ug/Kg	109				59	119	
Di-n-butylphthalate	1100		1300	ug/Kg	118				69	118	
Fluoranthene	1100	1200	2200	ug/Kg	91				44	125	
Benzidine	2300		990	ug/Kg	43				10	119	
Pyrene	1100	630	1500	ug/Kg	79				26	142	
Butylbenzylphthalate	1100		1300	ug/Kg	118				64	126	
3,3-Dichlorobenzidine	1100		630	ug/Kg	57				33	116	
Benzo(a)anthracene	1100	490	1600	ug/Kg	101				71	114	
Chrysene	1100	490	1700	ug/Kg	110				57	121	
bis(2-Ethylhexyl)phthalate	1100	130	1800	ug/Kg	152				42	169	
Di-n-octyl phthalate	1100		1700	ug/Kg	155				23	175	
Benzo(b)fluoranthene	1100	670	2000	ug/Kg	121				67	121	
Benzo(k)fluoranthene	1100	270	1500	ug/Kg	112				57	134	
Benzo(a)pyrene	1100	500	1800	ug/Kg	118				70	142	
Indeno(1,2,3-cd)pyrene	1100	230	1100	ug/Kg	79				40	129	
Dibenz(a,h)anthracene	1100	63.4	940	ug/Kg	80				43	123	
Benzo(g,h,i)perylene	1100	290	1100	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	1100		1300	ug/Kg	118				69	124	
1,4-Dioxane	1100		980	ug/Kg	89				46	112	
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91				69	112	
1-Methylnaphthalene	1100		1000	ug/Kg	91				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4431-01MSD		Client Sample ID: 72-11934MSD		DataFile: BF139944.D							
n-Nitrosodimethylamine	1100		970	ug/Kg	88		3		66	124	20
Pyridine	1100		930	ug/Kg	85		6		45	119	20
Benzaldehyde	1100		350	ug/Kg	32		6		10	86	20
Aniline	1100		450	ug/Kg	41		5		10	88	20
Phenol	1100		1000	ug/Kg	91		9		67	126	20
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91		9		54	125	20
2-Chlorophenol	1100		1100	ug/Kg	100		0		79	107	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		9		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		9		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		9		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		9		47	126	20
2-Methylphenol	1100		990	ug/Kg	90		11		66	122	20
2,2-oxybis(1-Chloropropane)	1100		990	ug/Kg	90		11		65	110	20
Acetophenone	1100		1100	ug/Kg	100		0		75	111	20
3+4-Methylphenols	1100		960	ug/Kg	87		4		66	104	20
N-Nitroso-di-n-propylamine	1100		990	ug/Kg	90		11		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		9		65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		9		70	119	20
Isophorone	1100		1000	ug/Kg	91		9		76	122	20
2-Nitrophenol	1100		1200	ug/Kg	109		8		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		8		44	135	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1100		990	ug/Kg	90		11		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		9		57	103	20
Benzoic acid	1100		680	ug/Kg	62		5		50	104	20
Naphthalene	1100		1000	ug/Kg	91		9		72	110	20
4-Chloroaniline	1100		210	ug/Kg	19		5		10	91	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		9		66	114	20
Caprolactam	1100		820	ug/Kg	75		6		51	134	20
4-Chloro-3-methylphenol	1100		880	ug/Kg	80		11		57	132	20
2-Methylnaphthalene	1100		1000	ug/Kg	91		9		59	123	20
Hexachlorocyclopentadiene	2300		2900	ug/Kg	126		16		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		9		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		9		72	117	20
1,1-Biphenyl	1100		1200	ug/Kg	109		0		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		9		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		9		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		9		70	113	20
Acenaphthylene	1100		1200	ug/Kg	109		8		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		9		70	125	20
3-Nitroaniline	1100		550	ug/Kg	50		6		30	99	20
Acenaphthene	1100		1100	ug/Kg	100		9		70	121	20
Total PAH	17600	5434.7	21640	ug/Kg	123	*	6		70	121	20
2,4-Dinitrophenol	2300		1100	ug/Kg	48		11		10	155	20
4-Nitrophenol	2300		2100	ug/Kg	91		0		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

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	2200		2200	ug/Kg	100		9		55	128	20
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		9		55	128	20
Diethylphthalate	1100		1000	ug/Kg	91		9		70	112	20
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91		9		71	108	20
Fluorene	1100		1000	ug/Kg	91		9		68	116	20
4-Nitroaniline	1100		870	ug/Kg	79		6		55	120	20
4,6-Dinitro-2-methylphenol	1100		840	ug/Kg	76		6		10	160	20
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109		8		73	118	20
Azobenzene	1100		1000	ug/Kg	91		9		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		17		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		9		67	118	20
Atrazine	1100		1400	ug/Kg	127		7		79	127	20
Pentachlorophenol	2300	230	2600	ug/Kg	103		4		47	128	20
Phenanthrene	1100	510	1500	ug/Kg	90		10		52	128	20
Anthracene	1100	91.3	1200	ug/Kg	101		9		62	124	20
Carbazole	1100	0	1200	ug/Kg	109		0		59	119	20
Di-n-butylphthalate	1100		1200	ug/Kg	109		8		69	118	20
Fluoranthene	1100	1200	2100	ug/Kg	82		10		44	125	20
Benzydine	2300		1000	ug/Kg	43		0		10	119	20
Pyrene	1100	630	1400	ug/Kg	70		12		26	142	20
Butylbenzylphthalate	1100		1200	ug/Kg	109		8		64	126	20
3,3-Dichlorobenzidine	1100		670	ug/Kg	61		7		33	116	20
Benzo(a)anthracene	1100	490	1600	ug/Kg	101		0		71	114	20
Chrysene	1100	490	1500	ug/Kg	92		18		57	121	20
bis(2-Ethylhexyl)phthalate	1100	130	1600	ug/Kg	134		13		42	169	20
Di-n-octyl phthalate	1100		1600	ug/Kg	145		7		23	175	20
Benzo(b)fluoranthene	1100	670	1900	ug/Kg	112		8		67	121	20
Benzo(k)fluoranthene	1100	270	1300	ug/Kg	94		17		57	134	20
Benzo(a)pyrene	1100	500	1700	ug/Kg	109		8		70	142	20
Indeno(1,2,3-cd)pyrene	1100	230	1100	ug/Kg	79		0		40	129	20
Dibenz(a,h)anthracene	1100	63.4	940	ug/Kg	80		0		43	123	20
Benzo(g,h,i)perylene	1100	290	1100	ug/Kg	74		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109		8		69	124	20
1,4-Dioxane	1100		930	ug/Kg	85		5		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91		0		69	112	20
1-Methylnaphthalene	1100		950	ug/Kg	86		6		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4403-01MS		Client Sample ID: Hawthorne TP SoilMS		DataFile: BF139940.D							
n-Nitrosodimethylamine	1100		1000	ug/Kg	91				66	124	
Pyridine	1100		1000	ug/Kg	91				45	119	
Benzaldehyde	1100		410	ug/Kg	37				10	86	
Aniline	1100		510	ug/Kg	46				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100				54	125	
2-Chlorophenol	1100		1100	ug/Kg	100				79	107	
1,2-Dichlorobenzene	1100		1100	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1100		1100	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1100		1100	ug/Kg	100				63	104	
Benzyl Alcohol	1100		1100	ug/Kg	100				47	126	
2-Methylphenol	1100		1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100		1100	ug/Kg	100				65	110	
Acetophenone	1100		1100	ug/Kg	100				75	111	
3+4-Methylphenols	1100		1100	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91				59	119	
Hexachloroethane	1100		1100	ug/Kg	100				65	117	
Nitrobenzene	1100		1100	ug/Kg	100				70	119	
Isophorone	1100		1100	ug/Kg	100				76	122	
2-Nitrophenol	1100		1300	ug/Kg	118				54	145	
2,4-Dimethylphenol	1100		1200	ug/Kg	109				44	135	
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100				57	103	
Benzoic acid	1100		280	ug/Kg	25	*			50	104	
Naphthalene	1100		1100	ug/Kg	100				72	110	
4-Chloroaniline	1100		240	ug/Kg	22				10	91	
Hexachlorobutadiene	1100		1100	ug/Kg	100				66	114	
Caprolactam	1100		900	ug/Kg	82				51	134	
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91				57	132	
2-Methylnaphthalene	1100		1100	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2200		3500	ug/Kg	159				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
1,1-Biphenyl	1100		1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100		1100	ug/Kg	100				67	118	
2-Nitroaniline	1100		1200	ug/Kg	109				69	127	
Dimethylphthalate	1100		1100	ug/Kg	100				70	113	
Acenaphthylene	1100		1200	ug/Kg	109				79	118	
2,6-Dinitrotoluene	1100		1100	ug/Kg	100				70	125	
3-Nitroaniline	1100		600	ug/Kg	55				30	99	
Acenaphthene	1100		1100	ug/Kg	100				70	121	
Total PAH	17600		17320	ug/Kg	98				70	121	
2,4-Dinitrophenol	2200		570	ug/Kg	26				10	155	
4-Nitrophenol	2200		1900	ug/Kg	86				45	133	
Dibenzofuran	1100		1100	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

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	2200		2200	ug/Kg	100				55	128	
2,4-Dinitrotoluene	1100		1100	ug/Kg	100				55	128	
Diethylphthalate	1100		1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		970	ug/Kg	88				55	120	
4,6-Dinitro-2-methylphenol	1100		550	ug/Kg	50				10	160	
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109				73	118	
Azobenzene	1100		1100	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1100		1300	ug/Kg	118				65	121	
Hexachlorobenzene	1100		1200	ug/Kg	109				67	118	
Atrazine	1100		1400	ug/Kg	127				79	127	
Pentachlorophenol	2200		1500	ug/Kg	68				47	128	
Phenanthrene	1100		1200	ug/Kg	109				52	128	
Anthracene	1100		1200	ug/Kg	109				62	124	
Carbazole	1100		1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100		1200	ug/Kg	109				69	118	
Fluoranthene	1100		1100	ug/Kg	100				44	125	
Benzydine	2200		910	ug/Kg	41				10	119	
Pyrene	1100		850	ug/Kg	77				26	142	
Butylbenzylphthalate	1100		1200	ug/Kg	109				64	126	
3,3-Dichlorobenzidine	1100		510	ug/Kg	46				33	116	
Benzo(a)anthracene	1100		1200	ug/Kg	109				71	114	
Chrysene	1100		1200	ug/Kg	109				57	121	
bis(2-Ethylhexyl)phthalate	1100		1500	ug/Kg	136				42	169	
Di-n-octyl phthalate	1100		1600	ug/Kg	145				23	175	
Benzo(b)fluoranthene	1100		1200	ug/Kg	109				67	121	
Benzo(k)fluoranthene	1100		1100	ug/Kg	100				57	134	
Benzo(a)pyrene	1100		1300	ug/Kg	118				70	142	
Indeno(1,2,3-cd)pyrene	1100		910	ug/Kg	83				40	129	
Dibenz(a,h)anthracene	1100		900	ug/Kg	82				43	123	
Benzo(g,h,i)perylene	1100		760	ug/Kg	69				24	125	
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109				69	124	
1,4-Dioxane	1100		980	ug/Kg	89				46	112	
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86				69	112	
1-Methylnaphthalene	1100		1000	ug/Kg	91				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4403-01MSD		Client Sample ID: Hawthorne TP SoilMSD		DataFile: BF139939.D							
n-Nitrosodimethylamine	1100		940	ug/Kg	85		7		66	124	20
Pyridine	1100		920	ug/Kg	84		8		45	119	20
Benzaldehyde	1100		370	ug/Kg	34		8		10	86	20
Aniline	1100		450	ug/Kg	41		11		10	88	20
Phenol	1100		980	ug/Kg	89		12		67	126	20
bis(2-Chloroethyl)ether	1100		990	ug/Kg	90		11		54	125	20
2-Chlorophenol	1100		1000	ug/Kg	91		9		79	107	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		9		61	105	20
1,3-Dichlorobenzene	1100		980	ug/Kg	89		12		62	101	20
1,4-Dichlorobenzene	1100		990	ug/Kg	90		11		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		9		47	126	20
2-Methylphenol	1100		1000	ug/Kg	91		9		66	122	20
2,2-oxybis(1-Chloropropane)	1100		990	ug/Kg	90		11		65	110	20
Acetophenone	1100		1000	ug/Kg	91		9		75	111	20
3+4-Methylphenols	1100		960	ug/Kg	87		14		66	104	20
N-Nitroso-di-n-propylamine	1100		980	ug/Kg	89		2		59	119	20
Hexachloroethane	1100		990	ug/Kg	90		11		65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		9		70	119	20
Isophorone	1100		1000	ug/Kg	91		9		76	122	20
2-Nitrophenol	1100		1200	ug/Kg	109		8		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		0		44	135	20
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91		9		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		9		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		9		57	103	20
Benzoic acid	1100		0	ug/Kg	0	*	200	*	50	104	20
Naphthalene	1100		1000	ug/Kg	91		9		72	110	20
4-Chloroaniline	1100		230	ug/Kg	21		5		10	91	20
Hexachlorobutadiene	1100		1000	ug/Kg	91		9		66	114	20
Caprolactam	1100		830	ug/Kg	75		9		51	134	20
4-Chloro-3-methylphenol	1100		980	ug/Kg	89		2		57	132	20
2-Methylnaphthalene	1100		1000	ug/Kg	91		9		59	123	20
Hexachlorocyclopentadiene	2200		3300	ug/Kg	150		6		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		9		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91		9		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		9		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		0		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		9		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100		580	ug/Kg	53		4		30	99	20
Acenaphthene	1100		1000	ug/Kg	91		9		70	121	20
Total PAH	17600		15890	ug/Kg	90		9		70	121	20
2,4-Dinitrophenol	2200		410	ug/Kg	19		31	*	10	155	20
4-Nitrophenol	2200		1800	ug/Kg	82		5		45	133	20
Dibenzofuran	1100		1000	ug/Kg	91		9		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

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	2200		2200	ug/Kg	100		0		55	128	20
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		0		55	128	20
Diethylphthalate	1100		1000	ug/Kg	91		9		70	112	20
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91		9		71	108	20
Fluorene	1100		990	ug/Kg	90		1		68	116	20
4-Nitroaniline	1100		900	ug/Kg	82		7		55	120	20
4,6-Dinitro-2-methylphenol	1100		360	ug/Kg	33		41	*	10	160	20
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109		0		73	118	20
Azobenzene	1100		1000	ug/Kg	91		9		73	110	20
4-Bromophenyl-phenylether	1100		1200	ug/Kg	109		8		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		9		67	118	20
Atrazine	1100		1300	ug/Kg	118		7		79	127	20
Pentachlorophenol	2200		1100	ug/Kg	50		31	*	47	128	20
Phenanthrene	1100		1100	ug/Kg	100		9		52	128	20
Anthracene	1100		1100	ug/Kg	100		9		62	124	20
Carbazole	1100		1000	ug/Kg	91		9		59	119	20
Di-n-butylphthalate	1100		1100	ug/Kg	100		9		69	118	20
Fluoranthene	1100		1000	ug/Kg	91		9		44	125	20
Benzydine	2200		780	ug/Kg	35		16		10	119	20
Pyrene	1100		820	ug/Kg	75		3		26	142	20
Butylbenzylphthalate	1100		1200	ug/Kg	109		0		64	126	20
3,3-Dichlorobenzidine	1100		490	ug/Kg	45		2		33	116	20
Benzo(a)anthracene	1100		1100	ug/Kg	100		9		71	114	20
Chrysene	1100		1100	ug/Kg	100		9		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1500	ug/Kg	136		0		42	169	20
Di-n-octyl phthalate	1100		1500	ug/Kg	136		6		23	175	20
Benzo(b)fluoranthene	1100		1100	ug/Kg	100		9		67	121	20
Benzo(k)fluoranthene	1100		1000	ug/Kg	91		9		57	134	20
Benzo(a)pyrene	1100		1100	ug/Kg	100		17		70	142	20
Indeno(1,2,3-cd)pyrene	1100		840	ug/Kg	76		9		40	129	20
Dibenz(a,h)anthracene	1100		840	ug/Kg	76		8		43	123	20
Benzo(g,h,i)perylene	1100		700	ug/Kg	64		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		9		69	124	20
1,4-Dioxane	1100		900	ug/Kg	82		8		46	112	20
2,3,4,6-Tetrachlorophenol	1100		870	ug/Kg	79		8		69	112	20
1-Methylnaphthalene	1100		970	ug/Kg	88		3		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4419-04MS		Client Sample ID: IB-1MS		DataFile: BF139931.D							
n-Nitrosodimethylamine	500		470	ug/L	94				10	130	
Pyridine	500		410	ug/L	82				10	109	
Benzaldehyde	500		91.1	ug/L	18				10	137	
Aniline	500		200	ug/L	40				10	130	
Phenol	500		450	ug/L	90				10	130	
bis(2-Chloroethyl)ether	500		510	ug/L	102				29	141	
2-Chlorophenol	500		530	ug/L	106				23	127	
1,2-Dichlorobenzene	500		490	ug/L	98				61	114	
1,3-Dichlorobenzene	500		470	ug/L	94				65	106	
1,4-Dichlorobenzene	500		480	ug/L	96				55	125	
Benzyl Alcohol	500		530	ug/L	106	*			31	94	
2-Methylphenol	500		510	ug/L	102				37	126	
2,2-oxybis(1-Chloropropane)	500		500	ug/L	100				36	141	
Acetophenone	500		510	ug/L	102				31	164	
3+4-Methylphenols	500		490	ug/L	98				31	127	
N-Nitroso-di-n-propylamine	500		510	ug/L	102				36	147	
Hexachloroethane	500		470	ug/L	94				49	110	
Nitrobenzene	500		510	ug/L	102				62	112	
Isophorone	500		530	ug/L	106				39	146	
2-Nitrophenol	500		610	ug/L	122				30	148	
2,4-Dimethylphenol	500		610	ug/L	122				17	143	
bis(2-Chloroethoxy)methane	500		530	ug/L	106				39	143	
2,4-Dichlorophenol	500		530	ug/L	106				22	146	
1,2,4-Trichlorobenzene	500		500	ug/L	100				66	110	
Benzoic acid	500		450	ug/L	90				10	101	
Naphthalene	500		510	ug/L	102				17	157	
4-Chloroaniline	500		66	ug/L	13				10	95	
Hexachlorobutadiene	500		510	ug/L	102				52	125	
Caprolactam	500		430	ug/L	86				10	130	
4-Chloro-3-methylphenol	500		510	ug/L	102				17	148	
2-Methylnaphthalene	500		530	ug/L	106				38	146	
Hexachlorocyclopentadiene	1000		1800	ug/L	180	*			20	153	
2,4,6-Trichlorophenol	500		570	ug/L	114	*			78	112	
2,4,5-Trichlorophenol	500		530	ug/L	106				71	111	
1,1-Biphenyl	500		540	ug/L	108				38	154	
2-Chloronaphthalene	500		540	ug/L	108				41	145	
2-Nitroaniline	500		570	ug/L	114				39	151	
Dimethylphthalate	500		540	ug/L	108				42	147	
Acenaphthylene	500		570	ug/L	114				40	141	
2,6-Dinitrotoluene	500		540	ug/L	108				43	148	
3-Nitroaniline	500		170	ug/L	34				10	111	
Acenaphthene	500		590	ug/L	118				37	146	
Total PAH	8000		8410	ug/L	105				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.: BF102224

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				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1110	ug/L	111				50	142	
Diethylphthalate	500		510	ug/L	102				41	148	
4-Chlorophenyl-phenylether	500		520	ug/L	104				38	149	
Fluorene	500		510	ug/L	102				39	144	
4-Nitroaniline	500		460	ug/L	92				27	138	
4,6-Dinitro-2-methylphenol	500		710	ug/L	142				32	175	
N-Nitrosodiphenylamine	500		590	ug/L	118				40	150	
Azobenzene	500		500	ug/L	100				72	112	
4-Bromophenyl-phenylether	500		610	ug/L	122				42	151	
Hexachlorobenzene	500		590	ug/L	118	*			72	115	
Atrazine	500		660	ug/L	132				20	162	
Pentachlorophenol	1000		1100	ug/L	110				25	139	
Phenanthrene	500		550	ug/L	110				40	147	
Anthracene	500		580	ug/L	116				41	146	
Carbazole	500		520	ug/L	104				37	154	
Di-n-butylphthalate	500		570	ug/L	114				40	151	
Fluoranthene	500		510	ug/L	102				42	146	
Benzydine	1000		180	ug/L	18				10	130	
Pyrene	500		420	ug/L	84				41	149	
Butylbenzylphthalate	500		590	ug/L	118				39	155	
3,3-Dichlorobenzidine	500		250	ug/L	50				10	114	
Benzo(a)anthracene	500		550	ug/L	110				41	147	
Chrysene	500		560	ug/L	112				44	144	
bis(2-Ethylhexyl)phthalate	500		730	ug/L	146				33	160	
Di-n-octyl phthalate	500		750	ug/L	150				36	158	
Benzo(b)fluoranthene	500		570	ug/L	114				40	150	
Benzo(k)fluoranthene	500		520	ug/L	104				40	147	
Benzo(a)pyrene	500		600	ug/L	120				42	147	
Indeno(1,2,3-cd)pyrene	500		480	ug/L	96				30	166	
Dibenz(a,h)anthracene	500		480	ug/L	96				23	172	
Benzo(g,h,i)perylene	500		410	ug/L	82				27	167	
1,2,4,5-Tetrachlorobenzene	500		550	ug/L	110	*			89	102	
1,4-Dioxane	500		430	ug/L	86				38	130	
2,3,4,6-Tetrachlorophenol	500		540	ug/L	108				91	111	
1-Methylnaphthalene	500		500	ug/L	100				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4419-04MSD		Client Sample ID: IB-1MSD		DataFile: BF139932.D							
n-Nitrosodimethylamine	500		450	ug/L	90		4		10	130	20
Pyridine	500		400	ug/L	80		2		10	109	20
Benzaldehyde	500		91	ug/L	18		0		10	137	20
Aniline	500		210	ug/L	42		5		10	130	20
Phenol	500		430	ug/L	86		5		10	130	20
bis(2-Chloroethyl)ether	500		490	ug/L	98		4		29	141	20
2-Chlorophenol	500		510	ug/L	102		4		23	127	20
1,2-Dichlorobenzene	500		480	ug/L	96		2		61	114	20
1,3-Dichlorobenzene	500		460	ug/L	92		2		65	106	20
1,4-Dichlorobenzene	500		460	ug/L	92		4		55	125	20
Benzyl Alcohol	500		520	ug/L	104	*	2		31	94	20
2-Methylphenol	500		500	ug/L	100		2		37	126	20
2,2-oxybis(1-Chloropropane)	500		480	ug/L	96		4		36	141	20
Acetophenone	500		500	ug/L	100		2		31	164	20
3+4-Methylphenols	500		480	ug/L	96		2		31	127	20
N-Nitroso-di-n-propylamine	500		490	ug/L	98		4		36	147	20
Hexachloroethane	500		460	ug/L	92		2		49	110	20
Nitrobenzene	500		490	ug/L	98		4		62	112	20
Isophorone	500		520	ug/L	104		2		39	146	20
2-Nitrophenol	500		600	ug/L	120		2		30	148	20
2,4-Dimethylphenol	500		590	ug/L	118		3		17	143	20
bis(2-Chloroethoxy)methane	500		510	ug/L	102		4		39	143	20
2,4-Dichlorophenol	500		520	ug/L	104		2		22	146	20
1,2,4-Trichlorobenzene	500		480	ug/L	96		4		66	110	20
Benzoic acid	500		440	ug/L	88		2		10	101	20
Naphthalene	500		500	ug/L	100		2		17	157	20
4-Chloroaniline	500		80.3	ug/L	16		21	*	10	95	20
Hexachlorobutadiene	500		490	ug/L	98		4		52	125	20
Caprolactam	500		430	ug/L	86		0		10	130	20
4-Chloro-3-methylphenol	500		500	ug/L	100		2		17	148	20
2-Methylnaphthalene	500		510	ug/L	102		4		38	146	20
Hexachlorocyclopentadiene	1000		1700	ug/L	170	*	6		20	153	20
2,4,6-Trichlorophenol	500		550	ug/L	110		4		78	112	20
2,4,5-Trichlorophenol	500		510	ug/L	102		4		71	111	20
1,1-Biphenyl	500		530	ug/L	106		2		38	154	20
2-Chloronaphthalene	500		520	ug/L	104		4		41	145	20
2-Nitroaniline	500		550	ug/L	110		4		39	151	20
Dimethylphthalate	500		530	ug/L	106		2		42	147	20
Acenaphthylene	500		550	ug/L	110		4		40	141	20
2,6-Dinitrotoluene	500		520	ug/L	104		4		43	148	20
3-Nitroaniline	500		170	ug/L	34		0		10	111	20
Acenaphthene	500		570	ug/L	114		3		37	146	20
Total PAH	8000		8150	ug/L	102		3		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		0		14	167	20
4-Nitrophenol	1000		920	ug/L	92		3		10	130	20
Dibenzofuran	500		520	ug/L	104		2		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		550	ug/L	110		4		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1070	ug/L	107		4		50	142	20
Diethylphthalate	500		500	ug/L	100		2		41	148	20
4-Chlorophenyl-phenylether	500		510	ug/L	102		2		38	149	20
Fluorene	500		490	ug/L	98		4		39	144	20
4-Nitroaniline	500		460	ug/L	92		0		27	138	20
4,6-Dinitro-2-methylphenol	500		690	ug/L	138		3		32	175	20
N-Nitrosodiphenylamine	500		570	ug/L	114		3		40	150	20
Azobenzene	500		490	ug/L	98		2		72	112	20
4-Bromophenyl-phenylether	500		580	ug/L	116		5		42	151	20
Hexachlorobenzene	500		560	ug/L	112		5		72	115	20
Atrazine	500		640	ug/L	128		3		20	162	20
Pentachlorophenol	1000		1100	ug/L	110		0		25	139	20
Phenanthrene	500		540	ug/L	108		2		40	147	20
Anthracene	500		560	ug/L	112		4		41	146	20
Carbazole	500		500	ug/L	100		4		37	154	20
Di-n-butylphthalate	500		550	ug/L	110		4		40	151	20
Fluoranthene	500		500	ug/L	100		2		42	146	20
Benzydine	1000		180	ug/L	18		0		10	130	20
Pyrene	500		410	ug/L	82		2		41	149	20
Butylbenzylphthalate	500		570	ug/L	114		3		39	155	20
3,3-Dichlorobenzidine	500		250	ug/L	50		0		10	114	20
Benzo(a)anthracene	500		530	ug/L	106		4		41	147	20
Chrysene	500		540	ug/L	108		4		44	144	20
bis(2-Ethylhexyl)phthalate	500		700	ug/L	140		4		33	160	20
Di-n-octyl phthalate	500		730	ug/L	146		3		36	158	20
Benzo(b)fluoranthene	500		560	ug/L	112		2		40	150	20
Benzo(k)fluoranthene	500		510	ug/L	102		2		40	147	20
Benzo(a)pyrene	500		580	ug/L	116		3		42	147	20
Indeno(1,2,3-cd)pyrene	500		460	ug/L	92		4		30	166	20
Dibenz(a,h)anthracene	500		460	ug/L	92		4		23	172	20
Benzo(g,h,i)perylene	500		390	ug/L	78		5		27	167	20
1,2,4,5-Tetrachlorobenzene	500		530	ug/L	106	*	4		89	102	20
1,4-Dioxane	500		420	ug/L	84		2		38	130	20
2,3,4,6-Tetrachlorophenol	500		520	ug/L	104		4		91	111	20
1-Methylnaphthalene	500		490	ug/L	98		2		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4385-02	SP-1	BF139941.D	2-Fluorophenol	150	90.04	60		18	112
			Phenol-d6	150	89.64	60		15	107
			Nitrobenzene-d5	100	68.71	69		18	107
			2-Fluorobiphenyl	100	73.70	74		20	109
			2,4,6-Tribromophenol	150	69.63	46		10	116
			Terphenyl-d14	100	51.98	52		10	105
P4385-04	SP-2	BF139937.D	2-Fluorophenol	150	72.95	49		18	112
			Phenol-d6	150	71.05	47		15	107
			Nitrobenzene-d5	100	53.68	54		18	107
			2-Fluorobiphenyl	100	57.14	57		20	109
			2,4,6-Tribromophenol	150	47.37	32		10	116
			Terphenyl-d14	100	42.98	43		10	105
P4385-06	SP-3	BF139938.D	2-Fluorophenol	150	112.29	75		18	112
			Phenol-d6	150	109.70	73		15	107
			Nitrobenzene-d5	100	83.18	83		18	107
			2-Fluorobiphenyl	100	85.91	86		20	109
			2,4,6-Tribromophenol	150	81.78	55		10	116
			Terphenyl-d14	100	65.87	66		10	105
P4385-08	SP-4	BF139936.D	2-Fluorophenol	150	82.54	55		18	112
			Phenol-d6	150	81.96	55		15	107
			Nitrobenzene-d5	100	62.63	63		18	107
			2-Fluorobiphenyl	100	65.37	65		20	109
			2,4,6-Tribromophenol	150	40.18	27		10	116
			Terphenyl-d14	100	51.66	52		10	105
P4385-10	SP-5	BF139949.D	2-Fluorophenol	150	84.07	56		18	112
			Phenol-d6	150	76.14	51		15	107
			Nitrobenzene-d5	100	65.25	65		18	107
			2-Fluorobiphenyl	100	70.11	70		20	109
			2,4,6-Tribromophenol	150	100.71	67		10	116
			Terphenyl-d14	100	54.71	55		10	105
P4385-12	SP-6	BF139947.D	2-Fluorophenol	150	94.31	63		18	112
			Phenol-d6	150	86.40	58		15	107
			Nitrobenzene-d5	100	73.55	74		18	107
			2-Fluorobiphenyl	100	80.82	81		20	109
			2,4,6-Tribromophenol	150	105.20	70		10	116
			Terphenyl-d14	100	57.44	57		10	105
P4385-16	SP-8	BF139945.D	2-Fluorophenol	150	95.29	64		18	112
			Phenol-d6	150	86.23	57		15	107
			Nitrobenzene-d5	100	76.05	76		18	107
			2-Fluorobiphenyl	100	81.70	82		20	109
			2,4,6-Tribromophenol	150	102.40	68		10	116
			Terphenyl-d14	100	56.64	57		10	105
P4385-18	SP-9	BF139946.D	2-Fluorophenol	150	55.97	37		18	112
			Phenol-d6	150	50.98	34		15	107
			Nitrobenzene-d5	100	45.86	46		18	107
			2-Fluorobiphenyl	100	48.19	48		20	109
			2,4,6-Tribromophenol	150	60.65	40		10	116
			Terphenyl-d14	100	34.23	34		10	105
PB164071BL	PB164071BL	BF139920.D	2-Fluorophenol	150	134.55	90		18	112

Surrogate Summary

SW-846

SDG No.: BF102224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB164071BL	PB164071BL	BF139920.D	Phenol-d6	150	131.95	88		15	107
			Nitrobenzene-d5	100	98.93	99		18	107
			2-Fluorobiphenyl	100	93.61	94		20	109
			2,4,6-Tribromophenol	150	150.33	100		10	116
			Terphenyl-d14	100	90.00	90		10	105
PB164071BS	PB164071BS	BF139921.D	2-Fluorophenol	150	135.30	90		18	112
			Phenol-d6	150	132.20	88		15	107
			Nitrobenzene-d5	100	98.86	99		18	107
			2-Fluorobiphenyl	100	93.27	93		20	109
			2,4,6-Tribromophenol	150	153.98	103		10	116
			Terphenyl-d14	100	112.91	113	*	10	105

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4403-01MS	Hawthorne TP Soil	BF139940.D	2-Fluorophenol	150	114.97	77		18	112
			Phenol-d6	150	112.99	75		15	107
			Nitrobenzene-d5	100	87.27	87		18	107
			2-Fluorobiphenyl	100	87.30	87		20	109
			2,4,6-Tribromophenol	150	108.58	72		10	116
			Terphenyl-d14	100	66.63	67		10	105
P4403-01MSD	Hawthorne TP Soil	BF139939.D	2-Fluorophenol	150	105.01	70		18	112
			Phenol-d6	150	103.91	69		15	107
			Nitrobenzene-d5	100	81.70	82		18	107
			2-Fluorobiphenyl	100	81.77	82		20	109
			2,4,6-Tribromophenol	150	103.15	69		10	116
			Terphenyl-d14	100	63.67	64		10	105
PB164152BL	PB164152BL	BF139918.D	2-Fluorophenol	150	120.91	81		18	112
			Phenol-d6	150	117.71	78		15	107
			Nitrobenzene-d5	100	88.76	89		18	107
			2-Fluorobiphenyl	100	84.31	84		20	109
			2,4,6-Tribromophenol	150	138.87	93		10	116
			Terphenyl-d14	100	78.38	78		10	105
PB164152BS	PB164152BS	BF139919.D	2-Fluorophenol	150	116.00	77		18	112
			Phenol-d6	150	113.86	76		15	107
			Nitrobenzene-d5	100	87.26	87		18	107
			2-Fluorobiphenyl	100	82.54	83		20	109
			2,4,6-Tribromophenol	150	135.05	90		10	116
			Terphenyl-d14	100	98.68	99		10	105

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB164154BL	PB164154BL	BF139928.D	2-Fluorophenol	150	127.45	85		10	139
			Phenol-d6	150	124.78	83		10	134
			Nitrobenzene-d5	100	95.00	95		49	133
			2-Fluorobiphenyl	100	88.88	89		52	132
			2,4,6-Tribromophenol	150	146.55	98		44	137
			Terphenyl-d14	100	93.81	94		48	125

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB164176BL	PB164176BL	BF139922.D	2-Fluorophenol	150	125.27	84		18	112
			Phenol-d6	150	122.31	82		15	107
			Nitrobenzene-d5	100	92.29	92		18	107
			2-Fluorobiphenyl	100	86.28	86		20	109
			2,4,6-Tribromophenol	150	140.60	94		10	116
			Terphenyl-d14	100	85.50	86		10	105
PB164176BS	PB164176BS	BF139923.D	2-Fluorophenol	150	124.10	83		18	112
			Phenol-d6	150	120.30	80		15	107
			Nitrobenzene-d5	100	93.03	93		18	107
			2-Fluorobiphenyl	100	87.19	87		20	109
			2,4,6-Tribromophenol	150	143.79	96		10	116
			Terphenyl-d14	100	104.25	104		10	105

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4431-01MS	72-11934MS	BF139943.D	2-Fluorophenol	150	115.70	77		18	112
			Phenol-d6	150	110.94	74		15	107
			Nitrobenzene-d5	100	89.92	90		18	107
			2-Fluorobiphenyl	100	93.12	93		20	109
			2,4,6-Tribromophenol	150	113.19	75		10	116
			Terphenyl-d14	100	67.47	67		10	105
P4431-01MSD	72-11934MSD	BF139944.D	2-Fluorophenol	150	106.58	71		18	112
			Phenol-d6	150	101.80	68		15	107
			Nitrobenzene-d5	100	82.88	83		18	107
			2-Fluorobiphenyl	100	87.73	88		20	109
			2,4,6-Tribromophenol	150	108.20	72		10	116
			Terphenyl-d14	100	63.32	63		10	105

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4419-04	IB-1	BF139930.D	2-Fluorophenol	150	131.66	88		10	139
			Phenol-d6	150	117.83	79		10	134
			Nitrobenzene-d5	100	110.43	110		49	133
			2-Fluorobiphenyl	100	99.64	100		52	132
			2,4,6-Tribromophenol	150	165.69	110		44	137
			Terphenyl-d14	100	97.49	97		48	125
P4419-04MS	IB-1MS	BF139931.D	2-Fluorophenol	150	137.93	92		10	139
			Phenol-d6	150	127.51	85		10	134
			Nitrobenzene-d5	100	111.46	111		49	133
			2-Fluorobiphenyl	100	108.75	109		52	132
			2,4,6-Tribromophenol	150	153.75	102		44	137
			Terphenyl-d14	100	87.98	88		48	125
P4419-04MSD	IB-1MSD	BF139932.D	2-Fluorophenol	150	133.30	89		10	139
			Phenol-d6	150	123.96	83		10	134
			Nitrobenzene-d5	100	108.55	109		49	133
			2-Fluorobiphenyl	100	104.44	104		52	132
			2,4,6-Tribromophenol	150	151.03	101		44	137
			Terphenyl-d14	100	85.90	86		48	125
PB164246BL	PB164246BL	BF139924.D	2-Fluorophenol	150	133.76	89		10	139
			Phenol-d6	150	130.64	87		10	134
			Nitrobenzene-d5	100	98.22	98		49	133
			2-Fluorobiphenyl	100	92.41	92		52	132
			2,4,6-Tribromophenol	150	148.27	99		44	137
			Terphenyl-d14	100	96.79	97		48	125
PB164246BS	PB164246BS	BF139925.D	2-Fluorophenol	150	127.89	85		10	139
			Phenol-d6	150	124.16	83		10	134
			Nitrobenzene-d5	100	94.83	95		49	133
			2-Fluorobiphenyl	100	89.87	90		52	132
			2,4,6-Tribromophenol	150	150.47	100		44	137
			Terphenyl-d14	100	107.23	107		48	125

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4443-01	OG-315-HR-502-C(BF139948.D		2-Fluorophenol	150	77.55	52		18	112
			Phenol-d6	150	70.11	47		15	107
			Nitrobenzene-d5	100	62.11	62		18	107
			2-Fluorobiphenyl	100	67.28	67		20	109
			2,4,6-Tribromophenol	150	98.82	66		10	116
			Terphenyl-d14	100	55.38	55		10	105
P4443-06	OG-315-HR-502-C(BF139950.D		2-Fluorophenol	150	59.29	40		18	112
			Phenol-d6	150	63.22	42		15	107
			Nitrobenzene-d5	100	52.24	52		18	107
			2-Fluorobiphenyl	100	63.25	63		20	109
			2,4,6-Tribromophenol	150	105.07	70		10	116
			Terphenyl-d14	100	65.87	66		10	105
P4452-01	ETGI-285	BF139929.D	2-Fluorophenol	150	27.41	18		18	112
			Phenol-d6	150	47.44	32		15	107
			Nitrobenzene-d5	100	63.79	64		18	107
			2-Fluorobiphenyl	100	64.52	65		20	109
			2,4,6-Tribromophenol	150	5.33	4	*	10	116
			Terphenyl-d14	100	51.69	52		10	105
P4456-01	PAD-10182024	BF139942.D	2-Fluorophenol	150	77.05	51		18	112
			Phenol-d6	150	74.34	50		15	107
			Nitrobenzene-d5	100	65.27	65		18	107
			2-Fluorobiphenyl	100	68.91	69		20	109
			2,4,6-Tribromophenol	150	90.39	60		10	116
			Terphenyl-d14	100	42.47	42		10	105

Surrogate Summary

SW-846

SDG No.: **BF102224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4443-05	OG-315-HR-502-C(BF139934.D		2-Fluorophenol	150	125.09	83		10	139
			Phenol-d6	150	115.17	77		10	134
			Nitrobenzene-d5	100	98.87	99		49	133
			2-Fluorobiphenyl	100	92.47	92		52	132
			2,4,6-Tribromophenol	150	138.84	93		44	137
			Terphenyl-d14	100	84.12	84		48	125
P4443-10	OG-315-HR-502-C(BF139935.D		2-Fluorophenol	150	126.90	85		10	139
			Phenol-d6	150	114.46	76		10	134
			Nitrobenzene-d5	100	101.65	102		49	133
			2-Fluorobiphenyl	100	97.86	98		52	132
			2,4,6-Tribromophenol	150	139.27	93		44	137
			Terphenyl-d14	100	81.00	81		48	125
P4458-02	280517	BF139933.D	2-Fluorophenol	150	126.64	84		10	139
			Phenol-d6	150	115.63	77		10	134
			Nitrobenzene-d5	100	102.29	102		49	133
			2-Fluorobiphenyl	100	93.12	93		52	132
			2,4,6-Tribromophenol	150	147.69	98		44	137
			Terphenyl-d14	100	88.09	88		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF102224

Lab Code: CHEM

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139916.D

DFTPP Injection Date: 10/22/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	42.5
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	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BF139917.D	10/22/2024	09:39
PB164152BL	PB164152BL	BF139918.D	10/22/2024	10:07
PB164152BS	PB164152BS	BF139919.D	10/22/2024	10:36
PB164071BL	PB164071BL	BF139920.D	10/22/2024	11:05
PB164071BS	PB164071BS	BF139921.D	10/22/2024	11:34
PB164176BL	PB164176BL	BF139922.D	10/22/2024	12:03
PB164176BS	PB164176BS	BF139923.D	10/22/2024	12:32
PB164246BL	PB164246BL	BF139924.D	10/22/2024	13:01
PB164246BS	PB164246BS	BF139925.D	10/22/2024	13:31

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF102224

Lab Code: CHEM

SAS No.: BF102224 SDG NO.: BF102224

Lab File ID: BF139926.D

DFTPP Injection Date: 10/22/2024

Instrument ID: BNA_F

DFTPP Injection Time: 14:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.4
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
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	5.9
275	10.0 - 60.0% of mass 198	25.3
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BF139927.D	10/22/2024	14:28
PB164154BL	PB164154BL	BF139928.D	10/22/2024	14:58
ETGI-285	P4452-01	BF139929.D	10/22/2024	15:32
IB-1	P4419-04	BF139930.D	10/22/2024	16:01
IB-1MS	P4419-04MS	BF139931.D	10/22/2024	16:30
IB-1MSD	P4419-04MSD	BF139932.D	10/22/2024	16:59
280517	P4458-02	BF139933.D	10/22/2024	17:29
OG-315-HR-502-COMP-29	P4443-05	BF139934.D	10/22/2024	17:58
OG-315-HR-502-COMP-30	P4443-10	BF139935.D	10/22/2024	18:27
SP-4	P4385-08	BF139936.D	10/22/2024	18:56
SP-2	P4385-04	BF139937.D	10/22/2024	19:25
SP-3	P4385-06	BF139938.D	10/22/2024	19:54
Hawthorne TP SoilMSD	P4403-01MSD	BF139939.D	10/22/2024	20:22
Hawthorne TP SoilMS	P4403-01MS	BF139940.D	10/22/2024	20:51
SP-1	P4385-02	BF139941.D	10/22/2024	21:20
PAD-10182024	P4456-01	BF139942.D	10/22/2024	21:49
72-11934MS	P4431-01MS	BF139943.D	10/22/2024	22:17
72-11934MSD	P4431-01MSD	BF139944.D	10/22/2024	22:46

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF102224

Lab Code: CHEM

SAS No.: BF102224

SDG NO.: BF102224

Lab File ID: BF139926.D

DFTPP Injection Date: 10/22/2024

Instrument ID: BNA_F

DFTPP Injection Time: 14:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.4
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
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	5.9
275	10.0 - 60.0% of mass 198	25.3
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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
SP-8	P4385-16	BF139945.D	10/22/2024	23:14
SP-9	P4385-18	BF139946.D	10/22/2024	23:43
SP-6	P4385-12	BF139947.D	10/23/2024	00:11
OG-315-HR-502-COMP-29	P4443-01	BF139948.D	10/23/2024	00:40
SP-5	P4385-10	BF139949.D	10/23/2024	01:08
OG-315-HR-502-COMP-30	P4443-06	BF139950.D	10/23/2024	01:36