

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG No.: BF051024

Instrument ID: BNA_F Calibration Date/Time: 5/10/2024 12:03

Lab File ID: BF137875.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	0.586	0.536		-8.532	
Pyridine	1.302	1.130		-13.21	
2-Fluorophenol	1.195	1.480		23.849	
Benzaldehyde	0.816	0.741		-9.191	
Aniline	1.502	1.438		-4.261	
Phenol-d6	1.515	1.906		25.809	
Phenol	1.553	1.399		-9.916	20.0
bis(2-Chloroethyl) ether	1.216	1.134		-6.743	
2-Chlorophenol	1.302	1.229		-5.607	
1,2-Dichlorobenzene	1.387	1.302		-6.128	
1,3-Dichlorobenzene	1.468	1.423		-3.065	
1,4-Dichlorobenzene	1.473	1.419		-3.666	20.0
Benzyl Alcohol	1.048	0.997		-4.866	
2-Methylphenol	1.050	1.026		-2.286	
2,2-oxybis(1-Chloropropane)	1.709	1.470		-13.985	
Acetophenone	0.450	0.428		-4.889	
3+4-Methylphenols	1.382	1.279		-7.453	
n-Nitroso-di-n-propylamine	0.905	0.797	0.050	-11.934	
Nitrobenzene-d5	0.344	0.336		-2.326	
Hexachloroethane	0.498	0.495		-0.602	
Nitrobenzene	0.355	0.344		-3.099	
Isophorone	0.621	0.603		-2.899	
2-Nitrophenol	0.161	0.178		10.559	20.0
2,4-Dimethylphenol	0.231	0.226		-2.165	
bis(2-Chloroethoxy) methane	0.376	0.355		-5.585	
2,4-Dichlorophenol	0.280	0.278		-0.714	20.0
1,2,4-Trichlorobenzene	0.305	0.307		0.656	
Benzoic acid	0.200	0.208		4.0	
Naphthalene	0.994	0.951		-4.326	
4-Chloroaniline	0.369	0.344		-6.775	
Hexachlorobutadiene	0.187	0.193		3.209	20.0
Caprolactam	0.089	0.084		-5.618	
4-Chloro-3-methylphenol	0.292	0.284		-2.74	20.0
2-Methylnaphthalene	0.643	0.613		-4.666	
Hexachlorocyclopentadiene	0.215	0.222	0.050	3.256	
2,4,6-Trichlorophenol	0.361	0.357		-1.108	20.0
2-Fluorobiphenyl	1.233	1.152		-6.569	
2,4,5-Trichlorophenol	0.398	0.398		0.0	
1,1-Biphenyl	1.373	1.333		-2.913	

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Instrument ID: BNA_F Calibration Date/Time: 5/10/2024 12:03
Lab File ID: BF137875.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.108	1.086		-1.986	
2-Nitroaniline	0.301	0.296		-1.661	
Dimethylphthalate	1.263	1.224		-3.088	
Acenaphthylene	1.603	1.518		-5.303	
2,6-Dinitrotoluene	0.289	0.294		1.73	
3-Nitroaniline	0.302	0.288		-4.636	
Acenaphthene	1.063	1.027		-3.387	20.0
2,4-Dinitrophenol	0.142	0.153	0.050	7.746	
4-Nitrophenol	0.250	0.229	0.050	-8.4	
Dibenzofuran	1.546	1.456		-5.821	
2,4-Dinitrotoluene	0.377	0.385		2.122	
Diethylphthalate	1.199	1.151		-4.003	
4-Chlorophenyl-phenylether	0.606	0.576		-4.95	
Fluorene	1.231	1.149		-6.661	
4-Nitroaniline	0.306	0.286		-6.536	
4,6-Dinitro-2-methylphenol	0.115	0.130		13.043	
n-Nitrosodiphenylamine	0.599	0.592		-1.169	20.0
Azobenzene	1.159	1.039		-10.354	
2,4,6-Tribromophenol	0.204	0.284		39.216	
4-Bromophenyl-phenylether	0.214	0.223		4.206	
Hexachlorobenzene	0.234	0.246		5.128	
Atrazine	0.183	0.155		-15.301	
Pentachlorophenol	0.161	0.152		-5.59	20.0
Phenanthrene	0.975	0.922		-5.436	
Anthracene	0.970	0.930		-4.124	
Carbazole	0.935	0.901		-3.636	
Di-n-butylphthalate	1.020	1.054		3.333	
Fluoranthene	1.066	0.990		-7.129	20.0
Benzidine	0.463	0.279		-39.741	
Pyrene	1.586	1.704		7.44	
Terphenyl-d14	1.193	1.277		7.041	
Butylbenzylphthalate	0.503	0.597		18.688	
3,3-Dichlorobenzidine	0.383	0.363		-5.222	
Benzo(a)anthracene	1.279	1.259		-1.564	
Chrysene	1.198	1.173		-2.087	
Bis(2-ethylhexyl)phthalate	0.634	0.737		16.246	
Di-n-octyl phthalate	0.853	1.096		28.488	20.0
Benzo(b)fluoranthene	1.244	1.202		-3.376	
Benzo(k)fluoranthene	1.203	1.170		-2.743	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG No.: BF051024

Instrument ID: BNA_F Calibration Date/Time: 5/10/2024 12:03

Lab File ID: BF137875.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	1.015	0.987		-2.759	20.0
Indeno(1,2,3-cd)pyrene	1.137	1.238		8.883	
Dibenzo(a,h)anthracene	0.926	1.017		9.827	
Benzo(g,h,i)perylene	0.970	1.092		12.577	
1,2,4,5-Tetrachlorobenzene	0.530	0.535		0.943	
1,4-Dioxane	0.538	0.541		0.558	20.0
2,3,4,6-Tetrachlorophenol	0.323	0.301		-6.811	
1-Methylnaphthalene	0.633	0.594		-6.161	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BL	SDG No.:	BF051024
Lab Sample ID:	PB160825BL	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
BF137876.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

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:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BL	SDG No.:	BF051024
Lab Sample ID:	PB160825BL	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
BF137876.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

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

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BL	SDG No.:	BF051024
Lab Sample ID:	PB160825BL	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
BF137876.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

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	125.151		10-139		83	SPK: -150
13127-88-3	Phenol-d6	126.265		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	88.302		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	87.634		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BL	SDG No.:	BF051024
Lab Sample ID:	PB160825BL	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
BF137876.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.188		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	90.31		36-145		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	188995	7.045				
1146-65-2	Naphthalene-d8	727034	8.334				
15067-26-2	Acenaphthene-d10	417386	10.092				
1517-22-2	Phenanthrene-d10	749526	11.592				
1719-03-5	Chrysene-d12	519600	14.239				
1520-96-3	Perylene-d12	401935	15.81				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	16.3	J			2.152	
000994-05-8	Butane, 2-methoxy-2-methyl-	2.5	J			2.516	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	3.5	J			18.292	

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BS	SDG No.:	BF051024
Lab Sample ID:	PB160825BS	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
BF137877.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38.1		1	8	10	ug/L
110-86-1	Pyridine	36.4		1.6	4	5	ug/L
100-52-7	Benzaldehyde	24.1		4	8	10	ug/L
62-53-3	Aniline	33.2		1.6	4	5	ug/L
108-95-2	Phenol	40.7		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	43.5		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43.2		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.1		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	43.1		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.5		1.4	4	5	ug/L
98-86-2	Acetophenone	43.4		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43.5		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.1		1	4	5	ug/L
98-95-3	Nitrobenzene	40.8		1.3	4	5	ug/L
78-59-1	Isophorone	41.7		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	48.5		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	45.8		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	41.9		5.5	8	10	ug/L
91-20-3	Naphthalene	42.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.7		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	42		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BS	SDG No.:	BF051024
Lab Sample ID:	PB160825BS	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
BF137877.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44.6		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.9		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	44.2		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.6		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	42		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	44.9		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.7		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	47.1		0.81	4	5	ug/L
Total PAH	Total PAH	729.9		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	95.4	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	84.7	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.1		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	90.8		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.4		1.5	4	5	ug/L
84-66-2	Diethylphthalate	43.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.9		0.98	4	5	ug/L
86-73-7	Fluorene	43.1		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.3		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.7		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45		0.89	4	5	ug/L
103-33-3	Azobenzene	42.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.9		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.2		1.1	4	5	ug/L
1912-24-9	Atrazine	49.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BS	SDG No.:	BF051024
Lab Sample ID:	PB160825BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137877.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.6	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.1		0.89	4	5	ug/L
120-12-7	Anthracene	45.9		1.1	4	5	ug/L
86-74-8	Carbazole	43.3		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	45.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	42.6		1.3	4	5	ug/L
92-87-5	Benzidine	41.4		4.1	8	10	ug/L
129-00-0	Pyrene	46.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	53.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	32.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.6		0.94	4	5	ug/L
218-01-9	Chrysene	45.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	53.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	54.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	43.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	42		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.2		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.8		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.6		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.8		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	40.6		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.844		10-139		81	SPK: -150
13127-88-3	Phenol-d6	118.651		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	84.029		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	86.965		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160825BS	SDG No.:	BF051024
Lab Sample ID:	PB160825BS	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
BF137877.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.99		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	95.935		36-145		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	170087	7.051				
1146-65-2	Naphthalene-d8	689675	8.334				
15067-26-2	Acenaphthene-d10	383994	10.098				
1517-22-2	Phenanthrene-d10	673281	11.592				
1719-03-5	Chrysene-d12	421900	14.245				
1520-96-3	Perylene-d12	354271	15.81				

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	PB160643BS	SDG No.:	BF051024
Lab Sample ID:	PB160643BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137878.D	1	5/1/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.7	270	330	ug/Kg
110-86-1	Pyridine	1100		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	990		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1400		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		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	1400		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)	1300		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		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	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	490		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg



Client:				Date Collected:	5/1/2024 12:00:00 AM	
Project:				Date Received:	5/1/2024 12:00:00 AM	
Client Sample ID:	PB160643BS			SDG No.:	BF051024	
Lab Sample ID:	PB160643BS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137878.D	1	5/1/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	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		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	940		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	24100		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	PB160643BS	SDG No.:	BF051024
Lab Sample ID:	PB160643BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137878.D	1	5/1/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2700	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		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	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		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	1500		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	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	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.156		18-112		79	SPK: -150
13127-88-3	Phenol-d6	119.377		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	81.402		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	83.677		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	PB160643BS	SDG No.:	BF051024
Lab Sample ID:	PB160643BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137878.D	1	5/1/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160643

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.471		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	89.587		14-112		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	196033	7.051				
1146-65-2	Naphthalene-d8	781110	8.334				
15067-26-2	Acenaphthene-d10	438201	10.098				
1517-22-2	Phenanthrene-d10	753824	11.592				
1719-03-5	Chrysene-d12	469496	14.245				
1520-96-3	Perylene-d12	376902	15.81				

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160807BS	SDG No.:	BF051024
Lab Sample ID:	PB160807BS	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
BF137879.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1000		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1400		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		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)	1300		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	510		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160807BS	SDG No.:	BF051024
Lab Sample ID:	PB160807BS	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
BF137879.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		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	3900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	930		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	24100		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160807BS	SDG No.:	BF051024
Lab Sample ID:	PB160807BS	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
BF137879.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	1200		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1400		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		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	1400		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		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	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		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	1400		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	122.056		18-112		81	SPK: -150
13127-88-3	Phenol-d6	120.187		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	81.018		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	81.886		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	PB160807BS	SDG No.:	BF051024
Lab Sample ID:	PB160807BS	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
BF137879.D	1	5/9/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.924		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	93.758		14-112		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161071	7.051				
1146-65-2	Naphthalene-d8	655174	8.334				
15067-26-2	Acenaphthene-d10	385404	10.098				
1517-22-2	Phenanthrene-d10	682186	11.592				
1719-03-5	Chrysene-d12	408092	14.245				
1520-96-3	Perylene-d12	358120	15.815				

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BL	SDG No.:	BF051024
Lab Sample ID:	PB160847BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137880.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BL	SDG No.:	BF051024
Lab Sample ID:	PB160847BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137880.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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	71.4	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	87.3	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	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:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BL	SDG No.:	BF051024
Lab Sample ID:	PB160847BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137880.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.897		18-112		87	SPK: -150
13127-88-3	Phenol-d6	128.704		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	87.498		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	91.03		20-109		91	SPK: -100

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BL	SDG No.:	BF051024
Lab Sample ID:	PB160847BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137880.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.37		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	93.089		14-112		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	179359	7.051				
1146-65-2	Naphthalene-d8	701407	8.333				
15067-26-2	Acenaphthene-d10	361694	10.092				
1517-22-2	Phenanthrene-d10	682576	11.592				
1719-03-5	Chrysene-d12	464759	14.239				
1520-96-3	Perylene-d12	366965	15.809				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	560	J			2.146	
000994-05-8	Butane, 2-methoxy-2-methyl-	85.9	J			2.51	

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BS	SDG No.:	BF051024
Lab Sample ID:	PB160847BS	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
BF137881.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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	990		180	270	330	ug/Kg
62-53-3	Aniline	1100		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	1500		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		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	1300		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		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	510		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BS	SDG No.:	BF051024
Lab Sample ID:	PB160847BS	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
BF137881.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3800	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		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	1500		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	1400		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	930		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	130	170	ug/Kg
Total PAH	Total PAH	24000		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		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	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		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	1400		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BS	SDG No.:	BF051024
Lab Sample ID:	PB160847BS	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
BF137881.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1400		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	1500		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		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	1500		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	1700		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		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	1200		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	122.983		18-112		82	SPK: -150
13127-88-3	Phenol-d6	120.152		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	80.678		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	82.995		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160847BS	SDG No.:	BF051024
Lab Sample ID:	PB160847BS	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
BF137881.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.103		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	91.902		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164207	7.051				
1146-65-2	Naphthalene-d8	662141	8.333				
15067-26-2	Acenaphthene-d10	382223	10.098				
1517-22-2	Phenanthrene-d10	708935	11.592				
1719-03-5	Chrysene-d12	444978	14.245				
1520-96-3	Perylene-d12	360487	15.809				



Client:				Date Collected:	5/8/2024 12:00:00 AM	
Project:				Date Received:	5/8/2024 12:00:00 AM	
Client Sample ID:	PB160779BS			SDG No.:	BF051024	
Lab Sample ID:	PB160779BS			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
BF137882.D	1	5/8/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1000		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1400		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		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)	1300		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		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	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	520		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg



Client:				Date Collected:	5/8/2024 12:00:00 AM	
Project:				Date Received:	5/8/2024 12:00:00 AM	
Client Sample ID:	PB160779BS			SDG No.:	BF051024	
Lab Sample ID:	PB160779BS			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
BF137882.D	1	5/8/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	950		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	23700		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	PB160779BS	SDG No.:	BF051024
Lab Sample ID:	PB160779BS	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
BF137882.D	1	5/8/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2500		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		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	1400		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		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	1400		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124.674		18-112		83	SPK: -150
13127-88-3	Phenol-d6	121.864		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	80.859		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	82.945		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	PB160779BS	SDG No.:	BF051024
Lab Sample ID:	PB160779BS	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
BF137882.D	1	5/8/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160779

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.281		10-110		86	SPK: -150
1718-51-0	Terphenyl-d14	92.692		14-112		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	165287	7.051				
1146-65-2	Naphthalene-d8	673221	8.334				
15067-26-2	Acenaphthene-d10	382267	10.098				
1517-22-2	Phenanthrene-d10	671326	11.592				
1719-03-5	Chrysene-d12	409629	14.245				
1520-96-3	Perylene-d12	345808	15.81				

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	B-02-011			SDG No.:	BF051024		
Lab Sample ID:	P2432-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	14.7		
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				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
BF137883.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	93.5	U	93.5	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	320	390	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	97	U	97	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.9	U	97.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	97.7	U	97.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	99	U	99	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	97.1	U	97.1	320	390	ug/Kg
95-48-7	2-Methylphenol	94.3	U	94.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	93.4	U	93.4	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.2	U	47.2	93.6	93.6	ug/Kg
67-72-1	Hexachloroethane	97.1	U	97.1	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	99	U	99	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	88.3	U	88.3	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.9	U	99.9	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	96.6	U	96.6	150	200	ug/Kg
106-47-8	4-Chloroaniline	96.6	U	96.6	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.5	U	97.5	150	200	ug/Kg

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	B-02-011			SDG No.:	BF051024		
Lab Sample ID:	P2432-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	14.7		
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				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
BF137883.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.7	U	90.7	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.5	U	96.5	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.5	U	83.5	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.6	U	86.6	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.5	U	97.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	95.6	U	95.6	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.3	U	97.3	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.9	U	94.9	150	200	ug/Kg
Total PAH	Total PAH	1550.2	U	1550.2	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	98.7	U	98.7	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	97.3	U	197.3	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
84-66-2	Diethylphthalate	93.7	U	93.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.5	U	95.5	150	200	ug/Kg
103-33-3	Azobenzene	93.1	U	93.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	92.3	U	92.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	99.4	U	99.4	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-02-011	SDG No.:	BF051024
Lab Sample ID:	P2432-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137883.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90.4	U	90.4	320	390	ug/Kg
85-01-8	Phenanthrene	98.3	U	98.3	150	200	ug/Kg
120-12-7	Anthracene	98.7	U	98.7	150	200	ug/Kg
86-74-8	Carbazole	94	U	94	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.6	U	98.6	150	200	ug/Kg
206-44-0	Fluoranthene	95.6	U	95.6	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	97.1	U	97.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	94.4	U	94.4	150	200	ug/Kg
218-01-9	Chrysene	93	U	93	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.9	U	94.9	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	96.6	U	96.6	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.4	U	91.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	95	U	95	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.7	U	93.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87.4	U	87.4	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	97.3	U	97.3	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.411		18-112		67	SPK: -150
13127-88-3	Phenol-d6	98.53		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	69.125		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	74.619		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-02-011	SDG No.:	BF051024
Lab Sample ID:	P2432-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137883.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93.684		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	69.925		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158879	7.051				
1146-65-2	Naphthalene-d8	601796	8.334				
15067-26-2	Acenaphthene-d10	326964	10.092				
1517-22-2	Phenanthrene-d10	472940	11.586				
1719-03-5	Chrysene-d12	266308	14.239				
1520-96-3	Perylene-d12	246377	15.81				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2400	J			2.422	
	unknown10.175	110	J			10.175	
000057-10-3	n-Hexadecanoic acid	200	J			12.092	



Client:				Date Collected:	5/8/2024 12:00:00 AM	
Project:				Date Received:	5/8/2024 12:00:00 AM	
Client Sample ID:	B-02-011MS			SDG No.:	BF051024	
Lab Sample ID:	P2432-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	14.7	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137884.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		100	320	390	ug/Kg
110-86-1	Pyridine	1600		93.6	150	200	ug/Kg
100-52-7	Benzaldehyde	860		210	320	390	ug/Kg
62-53-3	Aniline	1300		110	150	200	ug/Kg
108-95-2	Phenol	1800		97.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		98.1	150	200	ug/Kg
95-57-8	2-Chlorophenol	1900		97.8	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		99.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	1800		97.2	320	390	ug/Kg
95-48-7	2-Methylphenol	1800		94.4	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		110	150	200	ug/Kg
98-86-2	Acetophenone	1800		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1700		93.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		47.2	93.7	93.7	ug/Kg
67-72-1	Hexachloroethane	1700		97.2	150	200	ug/Kg
98-95-3	Nitrobenzene	1600		110	150	200	ug/Kg
78-59-1	Isophorone	1700		99.1	150	200	ug/Kg
88-75-5	2-Nitrophenol	2000		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		88.5	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		100	150	200	ug/Kg
65-85-0	Benzoic acid	1600		280	320	390	ug/Kg
91-20-3	Naphthalene	1700		96.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	390		96.8	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1700		97.6	150	200	ug/Kg



Client:				Date Collected:	5/8/2024 12:00:00 AM	
Project:				Date Received:	5/8/2024 12:00:00 AM	
Client Sample ID:	B-02-011MS			SDG No.:	BF051024	
Lab Sample ID:	P2432-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	14.7	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137884.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1800		100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		90.8	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	1700		96.7	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		83.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		86.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1800		100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		97.6	150	200	ug/Kg
88-74-4	2-Nitroaniline	1700		110	150	200	ug/Kg
131-11-3	Dimethylphthalate	1800		95.7	150	200	ug/Kg
208-96-8	Acenaphthylene	1900		100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		97.5	150	200	ug/Kg
99-09-2	3-Nitroaniline	1100		100	150	200	ug/Kg
83-32-9	Acenaphthene	1900		95	150	200	ug/Kg
Total PAH	Total PAH	27200		1551.8	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	3100		280	320	390	ug/Kg
100-02-7	4-Nitrophenol	2500		140	320	390	ug/Kg
132-64-9	Dibenzofuran	1800		98.9	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3600		197.5	150	400	ug/Kg
84-66-2	Diethylphthalate	1800		93.8	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		100	150	200	ug/Kg
86-73-7	Fluorene	1700		100	150	200	ug/Kg
100-01-6	4-Nitroaniline	1300		130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		95.6	150	200	ug/Kg
103-33-3	Azobenzene	1600		93.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		92.4	150	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		99.6	150	200	ug/Kg
1912-24-9	Atrazine	2100		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-02-011MS	SDG No.:	BF051024
Lab Sample ID:	P2432-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137884.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900		90.6	320	390	ug/Kg
85-01-8	Phenanthrene	1800		98.4	150	200	ug/Kg
120-12-7	Anthracene	1900		98.9	150	200	ug/Kg
86-74-8	Carbazole	1600		94.1	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		98.8	150	200	ug/Kg
206-44-0	Fluoranthene	1400		95.7	150	200	ug/Kg
92-87-5	Benzidine	1900		190	320	390	ug/Kg
129-00-0	Pyrene	1800		97.2	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2100		110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		94.5	150	200	ug/Kg
218-01-9	Chrysene	1900		93.1	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2300		110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2800		130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		95	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		96.8	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		91.5	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		95.1	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		93.8	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		100	150	200	ug/Kg
123-91-1	1,4-Dioxane	1600		130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		87.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1600		97.5	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.286		18-112		62	SPK: -150
13127-88-3	Phenol-d6	94.261		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	61.576		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	65.581		20-109		66	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-02-011MS	SDG No.:	BF051024
Lab Sample ID:	P2432-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137884.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	91.866		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	67.589		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	166145	7.051				
1146-65-2	Naphthalene-d8	664132	8.334				
15067-26-2	Acenaphthene-d10	364310	10.098				
1517-22-2	Phenanthrene-d10	575631	11.592				
1719-03-5	Chrysene-d12	305761	14.245				
1520-96-3	Perylene-d12	338567	15.81				



Client:			Date Collected:	5/8/2024 12:00:00 AM	
Project:			Date Received:	5/8/2024 12:00:00 AM	
Client Sample ID:	B-02-011MSD		SDG No.:	BF051024	
Lab Sample ID:	P2432-01MSD		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	14.7	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :		Decanted :	Level :	LOW	
Injection Volume :		GPC Factor :	GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137885.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		100	320	390	ug/Kg
110-86-1	Pyridine	1700		93.5	150	200	ug/Kg
100-52-7	Benzaldehyde	910		210	320	390	ug/Kg
62-53-3	Aniline	1300		110	150	200	ug/Kg
108-95-2	Phenol	1800		97	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		97.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	1900		97.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		98.9	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	1900		97.1	320	390	ug/Kg
95-48-7	2-Methylphenol	1800		94.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		110	150	200	ug/Kg
98-86-2	Acetophenone	1800		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1800		93.3	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		47.1	93.6	93.6	ug/Kg
67-72-1	Hexachloroethane	1800		97.1	150	200	ug/Kg
98-95-3	Nitrobenzene	1700		110	150	200	ug/Kg
78-59-1	Isophorone	1800		98.9	150	200	ug/Kg
88-75-5	2-Nitrophenol	2100		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		88.3	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		99.9	150	200	ug/Kg
65-85-0	Benzoic acid	1700		280	320	390	ug/Kg
91-20-3	Naphthalene	1800		96.6	150	200	ug/Kg
106-47-8	4-Chloroaniline	390		96.6	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		97.4	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-02-011MSD	SDG No.:	BF051024
Lab Sample ID:	P2432-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137885.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1800		100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		90.6	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		96.5	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	E	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		83.5	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		86.6	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		97.4	150	200	ug/Kg
88-74-4	2-Nitroaniline	1800		110	150	200	ug/Kg
131-11-3	Dimethylphthalate	1900		95.6	150	200	ug/Kg
208-96-8	Acenaphthylene	2000		100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		97.3	150	200	ug/Kg
99-09-2	3-Nitroaniline	1100		100	150	200	ug/Kg
83-32-9	Acenaphthene	1900		94.9	150	200	ug/Kg
Total PAH	Total PAH	28300		1550	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	280	320	390	ug/Kg
100-02-7	4-Nitrophenol	2700		140	320	390	ug/Kg
132-64-9	Dibenzofuran	1800		98.7	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3700		197.3	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		100	150	200	ug/Kg
84-66-2	Diethylphthalate	1900		93.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		100	150	200	ug/Kg
86-73-7	Fluorene	1800		100	150	200	ug/Kg
100-01-6	4-Nitroaniline	1400		130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		95.4	150	200	ug/Kg
103-33-3	Azobenzene	1800		93.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		92.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	1900		99.4	150	200	ug/Kg
1912-24-9	Atrazine	2100		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-02-011MSD	SDG No.:	BF051024
Lab Sample ID:	P2432-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137885.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3000		90.4	320	390	ug/Kg
85-01-8	Phenanthrene	1800		98.2	150	200	ug/Kg
120-12-7	Anthracene	1900		98.7	150	200	ug/Kg
86-74-8	Carbazole	1500		93.9	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		98.6	150	200	ug/Kg
206-44-0	Fluoranthene	1500		95.6	150	200	ug/Kg
92-87-5	Benzidine	2100		190	320	390	ug/Kg
129-00-0	Pyrene	1900		97.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2100		110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	1900		94.4	150	200	ug/Kg
218-01-9	Chrysene	1900		93	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2300		110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2900		130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		94.9	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		96.6	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	2000		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		91.3	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		95	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		93.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		100	150	200	ug/Kg
123-91-1	1,4-Dioxane	1600		130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		87.4	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1700		97.3	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.779		18-112		66	SPK: -150
13127-88-3	Phenol-d6	97.181		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	64.085		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	69.319		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-02-011MSD	SDG No.:	BF051024
Lab Sample ID:	P2432-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137885.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	100.492		10-110		67	SPK: -150
1718-51-0	Terphenyl-d14	71.997		14-112		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153165	7.051				
1146-65-2	Naphthalene-d8	599948	8.334				
15067-26-2	Acenaphthene-d10	337400	10.098				
1517-22-2	Phenanthrene-d10	548147	11.592				
1719-03-5	Chrysene-d12	277190	14.245				
1520-96-3	Perylene-d12	320448	15.81				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-D	SDG No.:	BF051024
Lab Sample ID:	P2422-04	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
BF137886.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-D	SDG No.:	BF051024
Lab Sample ID:	P2422-04	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
BF137886.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-D	SDG No.:	BF051024
Lab Sample ID:	P2422-04	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
BF137886.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.202		10-139		83	SPK: -150
13127-88-3	Phenol-d6	112.461		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	89.809		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	92.238		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-D	SDG No.:	BF051024
Lab Sample ID:	P2422-04	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
BF137886.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.526		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	101.351		36-145		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150603	7.051				
1146-65-2	Naphthalene-d8	580589	8.333				
15067-26-2	Acenaphthene-d10	323155	10.092				
1517-22-2	Phenanthrene-d10	481750	11.586				
1719-03-5	Chrysene-d12	261520	14.239				
1520-96-3	Perylene-d12	201430	15.804				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMS	SDG No.:	BF051024
Lab Sample ID:	P2422-04MS	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
BF137887.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	250		15.5	40	50	ug/L
100-52-7	Benzaldehyde	180		40	80	100	ug/L
62-53-3	Aniline	75.6		16	40	50	ug/L
108-95-2	Phenol	390		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	420		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	450		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	420		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	410		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	420		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	380		16	80	100	ug/L
95-48-7	2-Methylphenol	450		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	390		13.5	40	50	ug/L
98-86-2	Acetophenone	450		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	430		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	430		14.8	25	25	ug/L
67-72-1	Hexachloroethane	420		10.1	40	50	ug/L
98-95-3	Nitrobenzene	420		12.7	40	50	ug/L
78-59-1	Isophorone	440		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	500		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	470		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	430		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	460		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	440		11	40	50	ug/L
65-85-0	Benzoic acid	420		54.7	80	100	ug/L
91-20-3	Naphthalene	440		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMS	SDG No.:	BF051024
Lab Sample ID:	P2422-04MS	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
BF137887.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	400		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	460		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	450		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1200	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	460		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	470		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	450		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	430		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	490		9.3	40	50	ug/L
208-96-8	Acenaphthylene	490		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	480		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	41.7	J	13.7	40	50	ug/L
83-32-9	Acenaphthene	490		8.1	40	50	ug/L
Total PAH	Total PAH	7510		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	860	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	560		20	80	100	ug/L
132-64-9	Dibenzofuran	460		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	470		15.2	40	50	ug/L
84-66-2	Diethylphthalate	480		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	460		9.8	40	50	ug/L
86-73-7	Fluorene	460		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	270		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	510		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	400		8.9	40	50	ug/L
103-33-3	Azobenzene	440		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	520		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	510		11.4	40	50	ug/L
1912-24-9	Atrazine	260		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMS	SDG No.:	BF051024
Lab Sample ID:	P2422-04MS	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
BF137887.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	820	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	490		8.9	40	50	ug/L
120-12-7	Anthracene	500		10.7	40	50	ug/L
86-74-8	Carbazole	310		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	510		14.7	40	50	ug/L
206-44-0	Fluoranthene	380		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	470		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	550		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	24.9	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	500		9.4	40	50	ug/L
218-01-9	Chrysene	510		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	580		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	720		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	510		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	550		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	540		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	420		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	410		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	350		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	470		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	370		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	460		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	430		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119.269		10-139		80	SPK: -150
13127-88-3	Phenol-d6	110.566		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	85.845		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	89.464		52-132		89	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMS	SDG No.:	BF051024
Lab Sample ID:	P2422-04MS	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
BF137887.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.836		32-145		87	SPK: -150
1718-51-0	Terphenyl-d14	93.79		36-145		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147353	7.051				
1146-65-2	Naphthalene-d8	581275	8.333				
15067-26-2	Acenaphthene-d10	322848	10.098				
1517-22-2	Phenanthrene-d10	496394	11.592				
1719-03-5	Chrysene-d12	261427	14.245				
1520-96-3	Perylene-d12	243996	15.809				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMSD	SDG No.:	BF051024
Lab Sample ID:	P2422-04MSD	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
BF137888.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	370		10.3	80	100	ug/L
110-86-1	Pyridine	240		15.5	40	50	ug/L
100-52-7	Benzaldehyde	160		40	80	100	ug/L
62-53-3	Aniline	170		16	40	50	ug/L
108-95-2	Phenol	360		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	410		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	390		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	370		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	420		16	80	100	ug/L
95-48-7	2-Methylphenol	420		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	360		13.5	40	50	ug/L
98-86-2	Acetophenone	430		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	400		14.8	25	25	ug/L
67-72-1	Hexachloroethane	370		10.1	40	50	ug/L
98-95-3	Nitrobenzene	400		12.7	40	50	ug/L
78-59-1	Isophorone	420		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	470		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	450		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	410		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	440		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	410		11	40	50	ug/L
65-85-0	Benzoic acid	400		54.7	80	100	ug/L
91-20-3	Naphthalene	410		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	39.9	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	400		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMSD	SDG No.:	BF051024
Lab Sample ID:	P2422-04MSD	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
BF137888.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	400		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	450		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1100	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	460		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	450		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	440		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	460		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	490		9.3	40	50	ug/L
208-96-8	Acenaphthylene	490		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	470		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	200		13.7	40	50	ug/L
83-32-9	Acenaphthene	480		8.1	40	50	ug/L
Total PAH	Total PAH	7210		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	870	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	590		20	80	100	ug/L
132-64-9	Dibenzofuran	460		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	480		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		27.6	40	100	ug/L
84-66-2	Diethylphthalate	480		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	450		9.8	40	50	ug/L
86-73-7	Fluorene	440		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	340		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	510		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	520		8.9	40	50	ug/L
103-33-3	Azobenzene	440		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	540		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	530		11.4	40	50	ug/L
1912-24-9	Atrazine	580		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMSD	SDG No.:	BF051024
Lab Sample ID:	P2422-04MSD	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
BF137888.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	830	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	480		8.9	40	50	ug/L
120-12-7	Anthracene	490		10.7	40	50	ug/L
86-74-8	Carbazole	410		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		14.7	40	50	ug/L
206-44-0	Fluoranthene	380		12.9	40	50	ug/L
92-87-5	Benzidine	90.1	J	40.7	80	100	ug/L
129-00-0	Pyrene	490		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	560		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	350		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	490		9.4	40	50	ug/L
218-01-9	Chrysene	500		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	610		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	700		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	500		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	480		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	510		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	370		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	370		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	330		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	440		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	320		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	450		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	410		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	111.438		10-139		74	SPK: -150
13127-88-3	Phenol-d6	103.122		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	81.985		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	86.989		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-DMSD	SDG No.:	BF051024
Lab Sample ID:	P2422-04MSD	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
BF137888.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.454		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	96.745		36-145		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164415	7.051				
1146-65-2	Naphthalene-d8	646182	8.334				
15067-26-2	Acenaphthene-d10	356107	10.098				
1517-22-2	Phenanthrene-d10	552994	11.592				
1719-03-5	Chrysene-d12	293651	14.245				
1520-96-3	Perylene-d12	307712	15.81				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051024
Lab Sample ID:	P2422-08	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
BF137889.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051024
Lab Sample ID:	P2422-08	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
BF137889.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051024
Lab Sample ID:	P2422-08	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
BF137889.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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	114.717		10-139		76	SPK: -150
13127-88-3	Phenol-d6	102.488		10-134		68	SPK: -150
4165-60-0	Nitrobenzene-d5	82.166		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	91.022		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051024
Lab Sample ID:	P2422-08	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
BF137889.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	119.391		32-145		80	SPK: -150
1718-51-0	Terphenyl-d14	106.878		36-145		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158175	7.051				
1146-65-2	Naphthalene-d8	629352	8.333				
15067-26-2	Acenaphthene-d10	333589	10.092				
1517-22-2	Phenanthrene-d10	493452	11.586				
1719-03-5	Chrysene-d12	252073	14.239				
1520-96-3	Perylene-d12	131779	15.809				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051024
Lab Sample ID:	P2423-04	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
BF137890.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051024
Lab Sample ID:	P2423-04	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
BF137890.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051024
Lab Sample ID:	P2423-04	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
BF137890.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

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	105.979		10-139		71	SPK: -150
13127-88-3	Phenol-d6	95.982		10-134		64	SPK: -150
4165-60-0	Nitrobenzene-d5	79.437		49-133		79	SPK: -100
321-60-8	2-Fluorobiphenyl	83.066		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051024
Lab Sample ID:	P2423-04	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
BF137890.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	118.561		32-145		79	SPK: -150
1718-51-0	Terphenyl-d14	98.469		36-145		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168407	7.051				
1146-65-2	Naphthalene-d8	648661	8.334				
15067-26-2	Acenaphthene-d10	356613	10.092				
1517-22-2	Phenanthrene-d10	529947	11.586				
1719-03-5	Chrysene-d12	298696	14.239				
1520-96-3	Perylene-d12	150104	15.804				

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	SW-04-011			SDG No.:	BF051024		
Lab Sample ID:	P2432-06			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	6.4		
Sample Wt/Vol:	30.06	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
BF137891.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.5	U	92.5	290	350	ug/Kg
110-86-1	Pyridine	85.2	U	85.2	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	88.4	U	88.4	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.2	U	89.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	89	U	89	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.2	U	90.2	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.7	U	91.7	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.2	U	92.2	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.5	U	88.5	290	350	ug/Kg
95-48-7	2-Methylphenol	85.9	U	85.9	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.9	U	96.9	140	180	ug/Kg
98-86-2	Acetophenone	92.7	U	92.7	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.1	U	85.1	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43	U	43	85.3	85.3	ug/Kg
67-72-1	Hexachloroethane	88.5	U	88.5	140	180	ug/Kg
98-95-3	Nitrobenzene	96.8	U	96.8	140	180	ug/Kg
78-59-1	Isophorone	90.2	U	90.2	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.4	U	99.4	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.5	U	91.5	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.5	U	80.5	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.1	U	91.1	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.1	U	88.1	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.1	U	88.1	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.8	U	88.8	140	180	ug/Kg

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	SW-04-011			SDG No.:	BF051024		
Lab Sample ID:	P2432-06			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	6.4		
Sample Wt/Vol:	30.06	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
BF137891.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.5	U	92.5	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.6	U	82.6	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88	U	88	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.1	U	76.1	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.9	U	78.9	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.2	U	93.2	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.8	U	88.8	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.1	U	87.1	140	180	ug/Kg
208-96-8	Acenaphthylene	92.2	U	92.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.7	U	88.7	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.1	U	95.1	140	180	ug/Kg
83-32-9	Acenaphthene	86.5	U	86.5	140	180	ug/Kg
Total PAH	Total PAH	1413.1	U	1413.1	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	U	90	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80.6	U	180.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.9	U	91.9	140	180	ug/Kg
84-66-2	Diethylphthalate	85.4	U	85.4	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.3	U	91.3	140	180	ug/Kg
86-73-7	Fluorene	91.2	U	91.2	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	87	U	87	140	180	ug/Kg
103-33-3	Azobenzene	84.9	U	84.9	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.1	U	84.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.6	U	90.6	140	180	ug/Kg
1912-24-9	Atrazine	97.5	U	97.5	140	180	ug/Kg

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	SW-04-011			SDG No.:	BF051024		
Lab Sample ID:	P2432-06			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	6.4		
Sample Wt/Vol:	30.06	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
BF137891.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.4	U	82.4	290	350	ug/Kg
85-01-8	Phenanthrene	89.6	U	89.6	140	180	ug/Kg
120-12-7	Anthracene	90	U	90	140	180	ug/Kg
86-74-8	Carbazole	85.6	U	85.6	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.9	U	89.9	140	180	ug/Kg
206-44-0	Fluoranthene	87.1	U	87.1	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.5	U	88.5	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	U	86	140	180	ug/Kg
218-01-9	Chrysene	84.8	U	84.8	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97	U	97	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.5	U	86.5	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.2	U	99.2	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.3	U	83.3	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.6	U	86.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.4	U	85.4	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.5	U	92.5	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	79.6	U	79.6	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.7	U	88.7	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.405		18-112		51	SPK: -150
13127-88-3	Phenol-d6	73.859		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	50.194		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	56.758		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-04-011	SDG No.:	BF051024
Lab Sample ID:	P2432-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF137891.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	66.803		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	52.972		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	156436	7.045				
1146-65-2	Naphthalene-d8	606276	8.334				
15067-26-2	Acenaphthene-d10	334508	10.092				
1517-22-2	Phenanthrene-d10	482911	11.586				
1719-03-5	Chrysene-d12	283169	14.239				
1520-96-3	Perylene-d12	249998	15.81				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J			2.416	

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-01-011	SDG No.:	BF051024
Lab Sample ID:	P2432-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
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
BF137892.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	98.4	U	98.4	310	370	ug/Kg
110-86-1	Pyridine	90.6	U	90.6	150	190	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	370	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	94	U	94	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.9	U	94.9	150	190	ug/Kg
95-57-8	2-Chlorophenol	94.7	U	94.7	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	95.9	U	95.9	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.5	U	97.5	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.1	U	98.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	94.1	U	94.1	310	370	ug/Kg
95-48-7	2-Methylphenol	91.4	U	91.4	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	98.5	U	98.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.5	U	90.5	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.7	U	45.7	90.7	90.7	ug/Kg
67-72-1	Hexachloroethane	94.1	U	94.1	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	95.9	U	95.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	97.3	U	97.3	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.6	U	85.6	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	96.8	U	96.8	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	370	ug/Kg
91-20-3	Naphthalene	93.7	U	93.7	150	190	ug/Kg
106-47-8	4-Chloroaniline	93.7	U	93.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.5	U	94.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-01-011	SDG No.:	BF051024
Lab Sample ID:	P2432-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137892.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	98.4	U	98.4	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.9	U	87.9	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.6	U	93.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81	U	81	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.9	U	83.9	150	190	ug/Kg
92-52-4	1,1-Biphenyl	99.1	U	99.1	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.5	U	94.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	92.6	U	92.6	150	190	ug/Kg
208-96-8	Acenaphthylene	98.1	U	98.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.3	U	94.3	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	92	U	92	150	190	ug/Kg
Total PAH	Total PAH	1507.3	U	1507.3	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	370	ug/Kg
132-64-9	Dibenzofuran	95.7	U	95.7	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.7	U	97.7	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	92	U	192	150	380	ug/Kg
84-66-2	Diethylphthalate	90.8	U	90.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.1	U	97.1	150	190	ug/Kg
86-73-7	Fluorene	97	U	97	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.5	U	92.5	150	190	ug/Kg
103-33-3	Azobenzene	90.3	U	90.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.5	U	89.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	96.4	U	96.4	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	B-01-011			SDG No.:	BF051024		
Lab Sample ID:	P2432-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	11.9		
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
BF137892.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	87.7	U	87.7	310	370	ug/Kg
85-01-8	Phenanthrene	95.3	U	95.3	150	190	ug/Kg
120-12-7	Anthracene	95.7	U	95.7	150	190	ug/Kg
86-74-8	Carbazole	91.1	U	91.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.6	U	95.6	150	190	ug/Kg
206-44-0	Fluoranthene	92.6	U	92.6	150	190	ug/Kg
92-87-5	Benzidine	180	U	180	310	370	ug/Kg
129-00-0	Pyrene	94.1	U	94.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.5	U	91.5	150	190	ug/Kg
218-01-9	Chrysene	90.1	U	90.1	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	92	U	92	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	93.7	U	93.7	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.6	U	88.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	92.1	U	92.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.8	U	90.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.4	U	98.4	150	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.7	U	84.7	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	94.3	U	94.3	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.386		18-112		55	SPK: -150
13127-88-3	Phenol-d6	80.746		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	54.047		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	59.012		20-109		59	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	B-01-011	SDG No.:	BF051024
Lab Sample ID:	P2432-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
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
BF137892.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.438		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	55.489		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158398	7.045				
1146-65-2	Naphthalene-d8	615396	8.334				
15067-26-2	Acenaphthene-d10	339142	10.092				
1517-22-2	Phenanthrene-d10	511774	11.586				
1719-03-5	Chrysene-d12	304019	14.239				
1520-96-3	Perylene-d12	276189	15.81				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			2.434	
	unknown3.693	88.1	J			3.693	
000057-10-3	n-Hexadecanoic acid	150	J			12.098	

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-01-011	SDG No.:	BF051024
Lab Sample ID:	P2432-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137893.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-01-011	SDG No.:	BF051024
Lab Sample ID:	P2432-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137893.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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	1418.1	U	1418.1	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	181.2	U	181.2	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	140	180	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	91	U	91	140	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	140	180	ug/Kg

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	SW-01-011			SDG No.:	BF051024		
Lab Sample ID:	P2432-03			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	6.7		
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:	uL			Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137893.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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	86.4	U	86.4	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	95.681		18-112		64	SPK: -150
13127-88-3	Phenol-d6	92.782		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	62.529		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	68.11		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-01-011	SDG No.:	BF051024
Lab Sample ID:	P2432-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137893.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.926		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	60.894		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148554	7.045				
1146-65-2	Naphthalene-d8	575580	8.334				
15067-26-2	Acenaphthene-d10	309502	10.092				
1517-22-2	Phenanthrene-d10	431227	11.586				
1719-03-5	Chrysene-d12	259577	14.239				
1520-96-3	Perylene-d12	236531	15.81				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2400	J			2.428	
004254-14-2	R-(-)-1,2-propanediol	74.2	J			3.699	
	unknown10.175	92	J			10.175	
000057-10-3	n-Hexadecanoic acid	100	J			12.092	

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051024
Lab Sample ID:	P2432-04	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
BF137894.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051024
Lab Sample ID:	P2432-04	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137894.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81.6	U	181.6	140	360	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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051024
Lab Sample ID:	P2432-04	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
BF137894.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

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	83.761		18-112		56	SPK: -150
13127-88-3	Phenol-d6	82.334		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	55.258		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	60.992		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051024
Lab Sample ID:	P2432-04	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
BF137894.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75.485		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	58.023		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149085	7.045				
1146-65-2	Naphthalene-d8	573263	8.334				
15067-26-2	Acenaphthene-d10	309449	10.092				
1517-22-2	Phenanthrene-d10	460363	11.586				
1719-03-5	Chrysene-d12	268242	14.239				
1520-96-3	Perylene-d12	250384	15.81				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			2.428	
000057-10-3	n-Hexadecanoic acid	88.6	J			12.092	

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051024
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137895.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.4	U	96.4	300	370	ug/Kg
110-86-1	Pyridine	88.7	U	88.7	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	92.1	U	92.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93	U	93	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.7	U	92.7	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	94	U	94	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.5	U	95.5	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.1	U	96.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	92.2	U	92.2	300	370	ug/Kg
95-48-7	2-Methylphenol	89.5	U	89.5	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.5	U	96.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.6	U	88.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.8	U	44.8	88.8	88.8	ug/Kg
67-72-1	Hexachloroethane	92.2	U	92.2	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	94	U	94	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.3	U	95.3	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.9	U	83.9	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.8	U	94.8	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.7	U	91.7	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.7	U	91.7	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.5	U	92.5	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051024
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137895.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.4	U	96.4	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.1	U	86.1	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.6	U	91.6	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.3	U	79.3	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.2	U	82.2	140	190	ug/Kg
92-52-4	1,1-Biphenyl	97.1	U	97.1	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.5	U	92.5	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.7	U	90.7	140	190	ug/Kg
208-96-8	Acenaphthylene	96.1	U	96.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.4	U	92.4	140	190	ug/Kg
99-09-2	3-Nitroaniline	99.1	U	99.1	140	190	ug/Kg
83-32-9	Acenaphthene	90.1	U	90.1	140	190	ug/Kg
Total PAH	Total PAH	1468.4	U	1468.4	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	93.7	U	93.7	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	188.1	U	188.1	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.7	U	95.7	140	190	ug/Kg
84-66-2	Diethylphthalate	89	U	89	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	140	190	ug/Kg
86-73-7	Fluorene	95	U	95	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.6	U	90.6	140	190	ug/Kg
103-33-3	Azobenzene	88.4	U	88.4	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.6	U	87.6	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.4	U	94.4	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051024
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137895.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.9	U	85.9	300	370	ug/Kg
85-01-8	Phenanthrene	93.3	U	93.3	140	190	ug/Kg
120-12-7	Anthracene	93.7	U	93.7	140	190	ug/Kg
86-74-8	Carbazole	89.2	U	89.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.6	U	93.6	140	190	ug/Kg
206-44-0	Fluoranthene	90.7	U	90.7	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	92.2	U	92.2	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.6	U	89.6	140	190	ug/Kg
218-01-9	Chrysene	88.3	U	88.3	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90.1	U	90.1	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.7	U	91.7	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	U	86.7	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90.2	U	90.2	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89	U	89	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.4	U	96.4	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83	U	83	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.4	U	92.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.116		18-112		58	SPK: -150
13127-88-3	Phenol-d6	86.037		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	57.101		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	61.904		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051024
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137895.D	1	5/10/2024 12:00:00 AM	5/10/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.273		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	60.062		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	159192	7.045				
1146-65-2	Naphthalene-d8	628393	8.334				
15067-26-2	Acenaphthene-d10	348286	10.092				
1517-22-2	Phenanthrene-d10	518630	11.586				
1719-03-5	Chrysene-d12	296137	14.239				
1520-96-3	Perylene-d12	285427	15.809				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			2.434	
000057-10-3	n-Hexadecanoic acid	170	J			12.098	
000057-11-4	Octadecanoic acid	81.4	J			12.88	
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	75.5	J			13.033	

Hit Summary Sheet SW-846

SDG No.: BF051024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-02-011								
P2432-01	B-02-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,400.000	J		
P2432-01	B-02-011	Solid	n-Hexadecanoic acid	*	200.000	J		
P2432-01	B-02-011	Solid	unknown10.175	*	110.000	J		
Total Tics :					2,710.00			
Total Concentration:					2,710.00			
Client ID : B-01-011								
P2432-02	B-01-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P2432-02	B-01-011	Solid	n-Hexadecanoic acid	*	150.000	J		
P2432-02	B-01-011	Solid	unknown3.693	*	88.100	J		
Total Tics :					2,338.10			
Total Concentration:					2,338.10			
Client ID : SW-01-011								
P2432-03	SW-01-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,400.000	J		
P2432-03	SW-01-011	Solid	n-Hexadecanoic acid	*	100.000	J		
P2432-03	SW-01-011	Solid	R-(-)-1,2-propanediol	*	74.200	J		
P2432-03	SW-01-011	Solid	unknown10.175	*	92.000	J		
Total Tics :					2,666.20			
Total Concentration:					2,666.20			
Client ID : SW-02-011								
P2432-04	SW-02-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P2432-04	SW-02-011	Solid	n-Hexadecanoic acid	*	88.600	J		
Total Tics :					2,188.60			
Total Concentration:					2,188.60			
Client ID : SW-03-011								
P2432-05	SW-03-011	Solid	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	75.500	J		
P2432-05	SW-03-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P2432-05	SW-03-011	Solid	n-Hexadecanoic acid	*	170.000	J		
P2432-05	SW-03-011	Solid	Octadecanoic acid	*	81.400	J		
Total Tics :					2,426.90			
Total Concentration:					2,426.90			
Client ID : SW-04-011								
P2432-06	SW-04-011	Solid	Butane, 2-methoxy-2-methyl-	*	1,800.000	J		
Total Tics :					1,800.00			
Total Concentration:					1,800.00			



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

Hit Summary Sheet
SW-846

SDG No.: BF051024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF043024 SAS No.: BF043024 SDG No.: BF043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 11:08 _____

LAB FILE ID:		RRF2.5 = BF137764.D			RRF005 = BF137765.D		RRF010 = BF137766.D	
		RRF020 = BF137767.D			RRF040 = BF137768.D		RRF050 = BF137769.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.625	0.575	0.613	0.577	0.571	0.586	3.9
Pyridine		1.333	1.304	1.418	1.292	1.252	1.302	4.6
2-Fluorophenol		1.313	1.258	1.295	1.164	1.130	1.195	7.7
Benzaldehyde			0.981	0.968	0.780	0.674	0.816	18.5
Aniline		1.617	1.507	1.592	1.500	1.465	1.502	5.4
Phenol-d6		1.671	1.603	1.633	1.478	1.432	1.515	7.8
Phenol		1.700	1.599	1.669	1.515	1.479	1.553	6.7
bis(2-Chloroethyl)ether		1.312	1.255	1.274	1.190	1.163	1.216	5.2
2-Chlorophenol		1.416	1.354	1.402	1.273	1.240	1.302	6.8
1,2-Dichlorobenzene		1.577	1.477	1.488	1.358	1.292	1.387	9.2
1,3-Dichlorobenzene		1.602	1.547	1.577	1.432	1.397	1.468	7.1
1,4-Dichlorobenzene		1.628	1.523	1.577	1.443	1.400	1.473	7.1
Benzyl Alcohol		1.061	1.044	1.118	1.062	1.017	1.048	3.6
2-Methylphenol		1.115	1.065	1.102	1.036	1.015	1.050	4.2
2,2-oxybis(1-Chloropropane)		1.872	1.744	1.804	1.690	1.620	1.709	6.0
Acetophenone		0.498	0.473	0.481	0.445	0.421	0.450	7.7
3+4-Methylphenols		1.497	1.434	1.499	1.376	1.321	1.382	7.2
n-Nitroso-di-n-propylamine	0.970	0.987	0.934	0.967	0.884	0.845	0.905	7.4
Nitrobenzene-d5		0.357	0.350	0.363	0.345	0.332	0.344	3.9
Hexachloroethane		0.509	0.504	0.531	0.497	0.485	0.498	3.8
Nitrobenzene		0.374	0.359	0.372	0.355	0.341	0.355	4.2
Isophorone		0.659	0.632	0.645	0.608	0.589	0.621	4.1
2-Nitrophenol		0.135	0.142	0.165	0.170	0.167	0.161	9.7
2,4-Dimethylphenol		0.243	0.232	0.245	0.229	0.221	0.231	4.1
bis(2-Chloroethoxy)methane		0.408	0.389	0.396	0.372	0.353	0.376	5.9
2,4-Dichlorophenol		0.287	0.279	0.294	0.280	0.272	0.280	3.1
1,2,4-Trichlorobenzene		0.327	0.316	0.319	0.302	0.288	0.305	5.2
Benzoic acid			0.150	0.186	0.204	0.206	0.200	14.2
Naphthalene		1.115	1.061	1.065	0.979	0.922	0.994	8.7
4-Chloroaniline		0.395	0.378	0.383	0.366	0.354	0.369	4.8
Hexachlorobutadiene		0.199	0.194	0.196	0.185	0.176	0.187	5.0
Caprolactam		0.089	0.087	0.089	0.089	0.088	0.089	1.6
4-Chloro-3-methylphenol		0.306	0.296	0.302	0.292	0.279	0.292	3.5
2-Methylnaphthalene		0.718	0.686	0.686	0.634	0.600	0.643	8.4
Hexachlorocyclopentadiene		0.185	0.194	0.222	0.224	0.219	0.215	8.5
2,4,6-Trichlorophenol		0.361	0.353	0.379	0.363	0.352	0.361	2.5

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.: BF043024 SAS No.: BF043024 SDG No.: BF043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 11:08 _____

LAB FILE ID:		RRF2.5 = BF137764.D			RRF005 = BF137765.D		RRF010 = BF137766.D	
		RRF020 = BF137767.D			RRF040 = BF137768.D		RRF050 = BF137769.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.471	1.368	1.353	1.187	1.106	1.233	13.4
2,4,5-Trichlorophenol		0.399	0.390	0.414	0.403	0.394	0.398	2.2
1,1-Biphenyl		1.523	1.438	1.480	1.345	1.281	1.373	8.0
2-Chloronaphthalene		1.201	1.148	1.196	1.084	1.045	1.108	6.7
2-Nitroaniline		0.270	0.285	0.310	0.308	0.308	0.301	5.4
Dimethylphthalate		1.364	1.321	1.292	1.242	1.199	1.263	5.1
Acenaphthylene		1.772	1.648	1.711	1.576	1.522	1.603	7.0
2,6-Dinitrotoluene		0.274	0.281	0.299	0.292	0.289	0.289	2.9
3-Nitroaniline		0.290	0.291	0.313	0.307	0.300	0.302	2.9
Acenaphthene		1.145	1.099	1.135	1.046	1.005	1.063	6.0
2,4-Dinitrophenol			0.095	0.125	0.146	0.157	0.142	19.3
4-Nitrophenol		0.233	0.236	0.258	0.256	0.260	0.250	4.6
Dibenzofuran		1.728	1.649	1.645	1.515	1.441	1.546	8.3
2,4-Dinitrotoluene		0.341	0.359	0.384	0.385	0.389	0.377	5.2
Diethylphthalate		1.318	1.255	1.237	1.173	1.138	1.199	6.1
4-Chlorophenyl-phenylether		0.671	0.643	0.638	0.591	0.572	0.606	7.3
Fluorene		1.388	1.317	1.316	1.203	1.148	1.231	9.0
4-Nitroaniline		0.305	0.297	0.308	0.312	0.313	0.306	1.8
4,6-Dinitro-2-methylphenol			0.085	0.108	0.119	0.120	0.115	14.1
n-Nitrosodiphenylamine		0.662	0.610	0.644	0.589	0.560	0.599	7.0
Azobenzene		1.276	1.221	1.199	1.138	1.102	1.159	6.5
2,4,6-Tribromophenol		0.208	0.207	0.210	0.201	0.201	0.204	2.0
4-Bromophenyl-phenylether		0.228	0.212	0.228	0.213	0.202	0.214	4.9
Hexachlorobenzene		0.253	0.235	0.244	0.231	0.223	0.234	4.9
Atrazine		0.205	0.188	0.188	0.180	0.173	0.183	6.9
Pentachlorophenol		0.145	0.150	0.171	0.165	0.163	0.161	5.7
Phenanthrene		1.105	1.029	1.045	0.949	0.913	0.975	8.8
Anthracene		1.083	1.018	1.044	0.952	0.912	0.970	8.2
Carbazole		1.063	0.979	0.997	0.911	0.879	0.935	8.6
Di-n-butylphthalate		1.116	1.061	1.057	1.002	0.977	1.020	6.0
Fluoranthene		1.226	1.119	1.129	1.037	1.011	1.066	9.0
Benzidine		0.481	0.362	0.431	0.534	0.515	0.463	12.5
Pyrene		1.506	1.608	1.691	1.572	1.484	1.586	4.9
Terphenyl-d14		1.244	1.281	1.302	1.153	1.070	1.193	7.5
Butylbenzylphthalate		0.427	0.440	0.493	0.518	0.527	0.503	10.6
3,3-Dichlorobenzidine		0.441	0.399	0.412	0.369	0.376	0.383	9.6

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.: BF043024 SAS No.: BF043024 SDG No.: BF043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 11:08 _____

LAB FILE ID:		RRF2.5 = BF137764.D			RRF005 = BF137765.D		RRF010 = BF137766.D	
		RRF020 = BF137767.D			RRF040 = BF137768.D		RRF050 = BF137769.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.361	1.290	1.319	1.249	1.237	1.279	3.7
Chrysene		1.285	1.221	1.248	1.154	1.150	1.198	4.5
Bis(2-ethylhexyl)phthalate		0.636	0.563	0.584	0.627	0.671	0.634	7.3
Di-n-octyl phthalate		0.884	0.714	0.763	0.834	0.916	0.853	10.1
Benzo(b)fluoranthene		1.236	1.230	1.344	1.219	1.239	1.244	3.6
Benzo(k)fluoranthene		1.242	1.249	1.236	1.217	1.194	1.203	3.9
Benzo(a)pyrene		1.043	0.994	1.048	1.000	0.987	1.015	2.3
Indeno(1,2,3-cd)pyrene		0.975	0.939	1.088	1.130	1.090	1.137	15.3
Dibenzo(a,h)anthracene		0.789	0.784	0.899	0.920	0.886	0.926	14.3
Benzo(g,h,i)perylene		0.766	0.779	0.918	0.984	0.935	0.970	18.6
1,2,4,5-Tetrachlorobenzene		0.562	0.546	0.561	0.521	0.502	0.530	5.0
1,4-Dioxane		0.568	0.529	0.572	0.529	0.521	0.538	4.2
2,3,4,6-Tetrachlorophenol		0.336	0.314	0.334	0.325	0.318	0.323	2.7
1-Methylnaphthalene		0.714	0.675	0.675	0.623	0.591	0.633	8.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137768.D Time Analyzed: 12:33

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	243153	7.057	956131	8.35	540805	10.11
	UPPER LIMIT	486306	7.557	1912262	8.845	1081610	10.61
	LOWER LIMIT	121576.5	6.557	478065.5	7.845	270402.5	9.61
	EPA SAMPLE NO.						
01	PB160825BL	188995	7.05	727034	8.33	417386	10.09
02	PB160825BS	170087	7.05	689675	8.33	383994	10.10
03	PB160643BS	196033	7.05	781110	8.33	438201	10.10
04	PB160807BS	161071	7.05	655174	8.33	385404	10.10
05	PB160847BL	179359	7.05	701407	8.33	361694	10.09
06	PB160847BS	164207	7.05	662141	8.33	382223	10.10
07	PB160779BS	165287	7.05	673221	8.33	382267	10.10
08	B-02-011	158879	7.05	601796	8.33	326964	10.09
09	B-02-011MS	166145	7.05	664132	8.33	364310	10.10
10	B-02-011MSD	153165	7.05	599948	8.33	337400	10.10
11	WCS-TP-D	150603	7.05	580589	8.33	323155	10.09
12	WCS-TP-DMS	147353	7.05	581275	8.33	322848	10.10
13	WCS-TP-DMSD	164415	7.05	646182	8.33	356107	10.10
14	WCS-TP-F	158175	7.05	629352	8.33	333589	10.09
15	WC-GG	168407	7.05	648661	8.33	356613	10.09
16	SW-04-011	156436	7.05	606276	8.33	334508	10.09
17	B-01-011	158398	7.05	615396	8.33	339142	10.09
18	SW-01-011	148554	7.05	575580	8.33	309502	10.09
19	SW-02-011	149085	7.05	573263	8.33	309449	10.09
20	SW-03-011	159192	7.05	628393	8.33	348286	10.09



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137768.D Time Analyzed: 22:21

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	243153	7.057	956131	8.35	540805	10.11
UPPER LIMIT	486306	7.557	1912262	8.845	1081610	10.61
LOWER LIMIT	121576.5	6.557	478065.5	7.845	270402.5	9.61
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDCCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137875.D Time Analyzed: 12:33

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	292576	7.051	1.11742e+06	8.34	611685	10.10
	UPPER LIMIT	585152	7.551	2234840	8.839	1223370	10.598
	LOWER LIMIT	146288	6.551	558710	7.839	305842.5	9.598
	EPA SAMPLE NO.						
01	PB160825BL	188995	7.05	727034	8.33	417386	10.09
02	PB160825BS	170087	7.05	689675	8.33	383994	10.10
03	PB160643BS	196033	7.05	781110	8.33	438201	10.10
04	PB160807BS	161071	7.05	655174	8.33	385404	10.10
05	PB160847BL	179359	7.05	701407	8.33	361694	10.09
06	PB160847BS	164207	7.05	662141	8.33	382223	10.10
07	PB160779BS	165287	7.05	673221	8.33	382267	10.10
08	B-02-011	158879	7.05	601796	8.33	326964	10.09
09	B-02-011MS	166145	7.05	664132	8.33	364310	10.10
10	B-02-011MSD	153165	7.05	599948	8.33	337400	10.10
11	WCS-TP-D	150603	7.05	580589	8.33	323155	10.09
12	WCS-TP-DMS	147353	7.05	581275	8.33	322848	10.10
13	WCS-TP-DMSD	164415	7.05	646182	8.33	356107	10.10
14	WCS-TP-F	158175	7.05	629352	8.33	333589	10.09
15	WC-GG	168407	7.05	648661	8.33	356613	10.09
16	SW-04-011	156436	7.05	606276	8.33	334508	10.09
17	B-01-011	158398	7.05	615396	8.33	339142	10.09
18	SW-01-011	148554	7.05	575580	8.33	309502	10.09
19	SW-02-011	149085	7.05	573263	8.33	309449	10.09
20	SW-03-011	159192	7.05	628393	8.33	348286	10.09



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDCCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137875.D Time Analyzed: 22:21

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	292576	7.051	1.11742e+04	8.34	611685	10.10
UPPER LIMIT	585152	7.551	2234840	8.839	1223370	10.598
LOWER LIMIT	146288	6.551	558710	7.839	305842.5	9.598
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.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137768.D Time Analyzed: 12:33

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	945981	11.598	642193	14.251	470898	15.821
	UPPER LIMIT	1891962	12.098	1284386	14.751	941796	16.321
	LOWER LIMIT	472990.5	11.098	321096.5	13.751	235449	15.321
	EPA SAMPLE NO.						
01	PB160825BL	749526	11.59	519600	14.24	401935	15.81
02	PB160825BS	673281	11.59	421900	14.25	354271	15.81
03	PB160643BS	753824	11.59	469496	14.25	376902	15.81
04	PB160807BS	682186	11.59	408092	14.25	358120	15.82
05	PB160847BL	682576	11.59	464759	14.24	366965	15.81
06	PB160847BS	708935	11.59	444978	14.25	360487	15.81
07	PB160779BS	671326	11.59	409629	14.25	345808	15.81
08	B-02-011	472940 *	11.59	266308 *	14.24	246377	15.81
09	B-02-011MS	575631	11.59	305761 *	14.25	338567	15.81
10	B-02-011MSD	548147	11.59	277190 *	14.25	320448	15.81
11	WCS-TP-D	481750	11.59	261520 *	14.24	201430 *	15.80
12	WCS-TP-DMS	496394	11.59	261427 *	14.25	243996	15.81
13	WCS-TP-DMSD	552994	11.59	293651 *	14.25	307712	15.81
14	WCS-TP-F	493452	11.59	252073 *	14.24	131779 *	15.81
15	WC-GG	529947	11.59	298696 *	14.24	150104 *	15.80
16	SW-04-011	482911	11.59	283169 *	14.24	249998	15.81
17	B-01-011	511774	11.59	304019 *	14.24	276189	15.81
18	SW-01-011	431227 *	11.59	259577 *	14.24	236531	15.81
19	SW-02-011	460363 *	11.59	268242 *	14.24	250384	15.81
20	SW-03-011	518630	11.59	296137 *	14.24	285427	15.81

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137768.D Time Analyzed: 22:21

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	945981	11.598	642193	14.251	470898	15.821
UPPER LIMIT	1891962	12.098	1284386	14.751	941796	16.321
LOWER LIMIT	472990.5	11.098	321096.5	13.751	235449	15.321
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDCCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137875.D Time Analyzed: 12:33

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	1.00835e+04	11.592	605529	14.251	544671	15.815
	UPPER LIMIT	2016700	12.092	1211058	14.751	1089342	16.315
	LOWER LIMIT	504175	11.092	302764.5	13.751	272335.5	15.315
	EPA SAMPLE NO.						
01	PB160825BL	749526	11.59	519600	14.24	401935	15.81
02	PB160825BS	673281	11.59	421900	14.25	354271	15.81
03	PB160643BS	753824	11.59	469496	14.25	376902	15.81
04	PB160807BS	682186	11.59	408092	14.25	358120	15.82
05	PB160847BL	682576	11.59	464759	14.24	366965	15.81
06	PB160847BS	708935	11.59	444978	14.25	360487	15.81
07	PB160779BS	671326	11.59	409629	14.25	345808	15.81
08	B-02-011	472940 *	11.59	266308 *	14.24	246377 *	15.81
09	B-02-011MS	575631	11.59	305761	14.25	338567	15.81
10	B-02-011MSD	548147	11.59	277190 *	14.25	320448	15.81
11	WCS-TP-D	481750 *	11.59	261520 *	14.24	201430 *	15.80
12	WCS-TP-DMS	496394 *	11.59	261427 *	14.25	243996 *	15.81
13	WCS-TP-DMSD	552994	11.59	293651 *	14.25	307712	15.81
14	WCS-TP-F	493452 *	11.59	252073 *	14.24	131779 *	15.81
15	WC-GG	529947	11.59	298696 *	14.24	150104 *	15.80
16	SW-04-011	482911 *	11.59	283169 *	14.24	249998 *	15.81
17	B-01-011	511774	11.59	304019	14.24	276189	15.81
18	SW-01-011	431227 *	11.59	259577 *	14.24	236531 *	15.81
19	SW-02-011	460363 *	11.59	268242 *	14.24	250384 *	15.81
20	SW-03-011	518630	11.59	296137 *	14.24	285427	15.81

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051024 SAS No.: BF051024 SDG NO.: BF051024

EPA Sample No.: SSTDCCC040 Date Analyzed: May 10 2024 12:00AM

Lab File ID: BF137875.D Time Analyzed: 22:21

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	1.00835e+0	11.592	605529	14.251	544671	15.815
UPPER LIMIT	2016700	12.092	1211058	14.751	1089342	16.315
LOWER LIMIT	504175	11.092	302764.5	13.751	272335.5	15.315
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160643BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	990	ug/Kg	58				10	147	
	Aniline	1700	1100	ug/Kg	65				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	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	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	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	490	ug/Kg	29				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	4000	ug/Kg	121				45	134	
	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	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	940	ug/Kg	55				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24100	ug/Kg	89				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160643BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	2900	ug/Kg	85				60	106		
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				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	1300	ug/Kg	76				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107		
	Azobenzene	1700	1400	ug/Kg	82				54	103		
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99		
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	1100	ug/Kg	33				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103		
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				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	1800	ug/Kg	106				63	111		
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108		
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				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	1700	ug/Kg	100				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				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	1300	ug/Kg	76				70	130		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160779BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	1000	ug/Kg	59				10	147	
	Aniline	1700	1100	ug/Kg	65				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	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	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	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	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	520	ug/Kg	31				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	950	ug/Kg	56				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	23700	ug/Kg	87				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160779BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	2900	ug/Kg	85				60	106	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				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	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	2500	ug/Kg	76				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	1100	ug/Kg	33				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				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	1800	ug/Kg	106				63	111	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160807BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103		
	Pyridine	1700	1200	ug/Kg	71				28	98		
	Benzaldehyde	1700	1000	ug/Kg	59				10	147		
	Aniline	1700	1100	ug/Kg	65				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	1500	ug/Kg	88				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100		
	Acetophenone	1700	1400	ug/Kg	82				55	104		
	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	1300	ug/Kg	76				57	101		
	Isophorone	1700	1400	ug/Kg	82				59	99		
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111		
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105		
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				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	510	ug/Kg	30				16	100		
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98		
	Caprolactam	1700	1500	ug/Kg	88				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104		
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	134		
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				66	101		
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99		
	Acenaphthylene	1700	1500	ug/Kg	88				63	101		
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104		
	3-Nitroaniline	1700	930	ug/Kg	55				28	100		
	Acenaphthene	1700	1500	ug/Kg	88				57	104		
	Total PAH	27200	24100	ug/Kg	89				57	104		
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160807BS	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	2900	ug/Kg	85				60	106	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				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	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				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	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	1200	ug/Kg	36				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				63	111	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				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	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160825BS	n-Nitrosodimethylamine	50	38.1	ug/L	76				55	108	
	Pyridine	50	36.4	ug/L	73				29	97	
	Benzaldehyde	50	24.1	ug/L	48				15	121	
	Aniline	50	33.2	ug/L	66				10	130	
	Phenol	50	40.7	ug/L	81				66	118	
	bis(2-Chloroethyl)ether	50	41.2	ug/L	82				62	103	
	2-Chlorophenol	50	43.5	ug/L	87				70	117	
	1,2-Dichlorobenzene	50	43.2	ug/L	86				72	102	
	1,3-Dichlorobenzene	50	41.1	ug/L	82				71	103	
	1,4-Dichlorobenzene	50	41.3	ug/L	83				76	103	
	Benzyl Alcohol	50	43.1	ug/L	86				36	93	
	2-Methylphenol	50	44	ug/L	88				69	109	
	2,2-oxybis(1-Chloropropane)	50	40.5	ug/L	81				52	103	
	Acetophenone	50	43.4	ug/L	87				60	104	
	3+4-Methylphenols	50	43.5	ug/L	87				67	106	
	N-Nitroso-di-n-propylamine	50	42	ug/L	84				57	107	
	Hexachloroethane	50	44.1	ug/L	88				76	118	
	Nitrobenzene	50	40.8	ug/L	82				58	106	
	Isophorone	50	41.7	ug/L	83				61	102	
	2-Nitrophenol	50	48.5	ug/L	97				70	115	
	2,4-Dimethylphenol	50	45.8	ug/L	92				67	130	
	bis(2-Chloroethoxy)methane	50	41.7	ug/L	83				58	109	
	2,4-Dichlorophenol	50	44.4	ug/L	89				66	115	
	1,2,4-Trichlorobenzene	50	43.2	ug/L	86				41	115	
	Benzoic acid	50	41.9	ug/L	84				10	125	
	Naphthalene	50	42.5	ug/L	85				64	107	
	4-Chloroaniline	50	15.7	ug/L	31				10	85	
	Hexachlorobutadiene	50	42	ug/L	84				69	101	
	Caprolactam	50	44.6	ug/L	89				58	128	
	4-Chloro-3-methylphenol	50	44	ug/L	88				65	114	
	2-Methylnaphthalene	50	42.9	ug/L	86				64	107	
	Hexachlorocyclopentadiene	100	130	ug/L	130				36	160	
	2,4,6-Trichlorophenol	50	44.2	ug/L	88				61	110	
	2,4,5-Trichlorophenol	50	43.6	ug/L	87				70	106	
	1,1-Biphenyl	50	44.3	ug/L	89				72	98	
	2-Chloronaphthalene	50	42	ug/L	84				59	106	
	2-Nitroaniline	50	44.9	ug/L	90				58	107	
	Dimethylphthalate	50	44.7	ug/L	89				64	103	
	Acenaphthylene	50	47.1	ug/L	94				65	108	
	2,6-Dinitrotoluene	50	44.4	ug/L	89				64	110	
	3-Nitroaniline	50	29.5	ug/L	59				28	100	
	Acenaphthene	50	47.1	ug/L	94				59	113	
	Total PAH	800	729.9	ug/L	91				59	113	
	2,4-Dinitrophenol	100	95.4	ug/L	95				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160825BS	4-Nitrophenol	100	84.7	ug/L	85				68	116	
	Dibenzofuran	50	44.1	ug/L	88				65	106	
	2,4-Dinitrotoluene	50	46.4	ug/L	93				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	90.8	ug/L	91				60	115	
	Diethylphthalate	50	43.8	ug/L	88				63	105	
	4-Chlorophenyl-phenylether	50	42.9	ug/L	86				61	104	
	Fluorene	50	43.1	ug/L	86				64	107	
	4-Nitroaniline	50	42.3	ug/L	85				69	112	
	4,6-Dinitro-2-methylphenol	50	47.7	ug/L	95				62	132	
	N-Nitrosodiphenylamine	50	45	ug/L	90				61	109	
	Azobenzene	50	42.6	ug/L	85				59	106	
	4-Bromophenyl-phenylether	50	43.9	ug/L	88				73	103	
	Hexachlorobenzene	50	44.2	ug/L	88				73	106	
	Atrazine	50	49.7	ug/L	99				76	120	
	Pentachlorophenol	100	81.6	ug/L	82				47	114	
	Phenanthrene	50	44.1	ug/L	88				62	109	
	Anthracene	50	45.9	ug/L	92				65	110	
	Carbazole	50	43.3	ug/L	87				62	106	
	Di-n-butylphthalate	50	45.2	ug/L	90				64	106	
	Fluoranthene	50	42.6	ug/L	85				64	110	
	Benzidine	100	41.4	ug/L	41				10	94	
	Pyrene	50	46.8	ug/L	94				71	103	
	Butylbenzylphthalate	50	53.2	ug/L	106		*		61	105	
	3,3-Dichlorobenzidine	50	32.2	ug/L	64				43	108	
	Benzo(a)anthracene	50	45.6	ug/L	91				62	107	
	Chrysene	50	45.5	ug/L	91				61	108	
	bis(2-Ethylhexyl)phthalate	50	53.9	ug/L	108				59	110	
	Di-n-octyl phthalate	50	54.4	ug/L	109				67	126	
	Benzo(b)fluoranthene	50	43.7	ug/L	87				77	113	
	Benzo(k)fluoranthene	50	42	ug/L	84				64	113	
	Benzo(a)pyrene	50	48	ug/L	96				72	131	
	Indeno(1,2,3-cd)pyrene	50	50.2	ug/L	100				72	105	
	Dibenz(a,h)anthracene	50	50.2	ug/L	100				78	115	
	Benzo(g,h,i)perylene	50	45.5	ug/L	91				75	118	
	1,2,4,5-Tetrachlorobenzene	50	43.8	ug/L	88				72	101	
	1,4-Dioxane	50	34.6	ug/L	69				38	125	
	2,3,4,6-Tetrachlorophenol	50	44.8	ug/L	90				63	116	
	1-Methylnaphthalene	50	40.6	ug/L	81				51	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160847BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	990	ug/Kg	58				10	147	
	Aniline	1700	1100	ug/Kg	65				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	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	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	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	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	510	ug/Kg	30				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3800	ug/Kg	115				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	930	ug/Kg	55				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24000	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160847BS	4-Nitrophenol	3300	2800	ug/Kg	85				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	2900	ug/Kg	85				60	106		
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106		
	Diethylphthalate	1700	1500	ug/Kg	88				60	101		
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103		
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113		
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107		
	Azobenzene	1700	1400	ug/Kg	82				54	103		
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99		
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	1100	ug/Kg	33				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103		
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				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				63	111		
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70	108		
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				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	1700	ug/Kg	100				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101		
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160643BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051024

SAS No.: BF051024 SDG NO.: BF051024

Lab File ID: BF137878.D

Lab Sample ID: PB160643BS

Instrument ID: BNA_F

Date Extracted: 05/01/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/10/2024

Level: (low/med) LOW

Time Analyzed: 13:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160643BS	PB160643BS	BF137878.D	05/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160779BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051024

SAS No.: BF051024 SDG NO.: BF051024

Lab File ID: BF137882.D

Lab Sample ID: PB160779BS

Instrument ID: BNA_F

Date Extracted: 05/08/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/10/2024

Level: (low/med) LOW

Time Analyzed: 15:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160779BS	PB160779BS	BF137882.D	05/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160807BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051024

SAS No.: BF051024 SDG NO.: BF051024

Lab File ID: BF137879.D

Lab Sample ID: PB160807BS

Instrument ID: BNA_F

Date Extracted: 05/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/10/2024

Level: (low/med) LOW

Time Analyzed: 14:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160807BS	PB160807BS	BF137879.D	05/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160825BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051024

SAS No.: BF051024 SDG NO.: BF051024

Lab File ID: BF137876.D

Lab Sample ID: PB160825BL

Instrument ID: BNA_F

Date Extracted: 05/09/2024

Matrix: (soil/water) water

Date Analyzed: 05/10/2024

Level: (low/med) LOW

Time Analyzed: 12:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160825BS	PB160825BS	BF137877.D	05/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160847BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051024

SAS No.: BF051024 SDG NO.: BF051024

Lab File ID: BF137880.D

Lab Sample ID: PB160847BL

Instrument ID: BNA_F

Date Extracted: 05/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/10/2024

Level: (low/med) LOW

Time Analyzed: 14:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160847BS	PB160847BS	BF137881.D	05/10/2024
SW-04-011	P2432-06	BF137891.D	05/10/2024
B-01-011	P2432-02	BF137892.D	05/10/2024
SW-01-011	P2432-03	BF137893.D	05/10/2024
SW-02-011	P2432-04	BF137894.D	05/10/2024
SW-03-011	P2432-05	BF137895.D	05/10/2024
B-02-011	P2432-01	BF137883.D	05/10/2024
B-02-011MS	P2432-01MS	BF137884.D	05/10/2024
B-02-011MSD	P2432-01MSD	BF137885.D	05/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WCS-TP-D

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051024

SAS No.: BF051024 SDG NO.: BF051024

Lab File ID: BF137886.D

Lab Sample ID: P2422-04

Instrument ID: BNA_F

Date Extracted: 05/10/2024

Matrix: (soil/water) water

Date Analyzed: 05/10/2024

Level: (low/med) LOW

Time Analyzed: 17:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WCS-TP-D	P2422-04	BF137886.D	05/10/2024
WCS-TP-DMS	P2422-04MS	BF137887.D	05/10/2024
WCS-TP-DMSD	P2422-04MSD	BF137888.D	05/10/2024
WCS-TP-F	P2422-08	BF137889.D	05/10/2024
WC-GG	P2423-04	BF137890.D	05/10/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2432-01MS		Client Sample ID: B-02-011MS		DataFile: BF137884.D							
n-Nitrosodimethylamine	2000		1600	ug/Kg	80				66	124	
Pyridine	2000		1600	ug/Kg	80				45	119	
Benzaldehyde	2000		860	ug/Kg	43				26	163	
Aniline	2000		1300	ug/Kg	65				10	88	
Phenol	2000		1800	ug/Kg	90				67	126	
bis(2-Chloroethyl)ether	2000		1700	ug/Kg	85				74	116	
2-Chlorophenol	2000		1900	ug/Kg	95				61	138	
1,2-Dichlorobenzene	2000		1800	ug/Kg	90				61	105	
1,3-Dichlorobenzene	2000		1700	ug/Kg	85				62	101	
1,4-Dichlorobenzene	2000		1800	ug/Kg	90				63	104	
Benzyl Alcohol	2000		1800	ug/Kg	90				47	126	
2-Methylphenol	2000		1800	ug/Kg	90				66	122	
2,2-oxybis(1-Chloropropane)	2000		1600	ug/Kg	80				52	115	
Acetophenone	2000		1800	ug/Kg	90				75	111	
3+4-Methylphenols	2000		1700	ug/Kg	85				53	132	
N-Nitroso-di-n-propylamine	2000		1700	ug/Kg	85				59	119	
Hexachloroethane	2000		1700	ug/Kg	85				65	117	
Nitrobenzene	2000		1600	ug/Kg	80				70	119	
Isophorone	2000		1700	ug/Kg	85				76	122	
2-Nitrophenol	2000		2000	ug/Kg	100				54	145	
2,4-Dimethylphenol	2000		1900	ug/Kg	95				83	144	
bis(2-Chloroethoxy)methane	2000		1700	ug/Kg	85				68	112	
2,4-Dichlorophenol	2000		1800	ug/Kg	90				72	118	
1,2,4-Trichlorobenzene	2000		1800	ug/Kg	90				57	103	
Benzoic acid	2000		1600	ug/Kg	80				50	104	
Naphthalene	2000		1700	ug/Kg	85				72	110	
4-Chloroaniline	2000		390	ug/Kg	20				10	100	
Hexachlorobutadiene	2000		1700	ug/Kg	85				66	114	
Caprolactam	2000		1800	ug/Kg	90				51	134	
4-Chloro-3-methylphenol	2000		1700	ug/Kg	85				57	132	
2-Methylnaphthalene	2000		1700	ug/Kg	85				59	123	
Hexachlorocyclopentadiene	3900		4500	ug/Kg	115				10	175	
2,4,6-Trichlorophenol	2000		1800	ug/Kg	90				72	117	
2,4,5-Trichlorophenol	2000		1800	ug/Kg	90				72	117	
1,1-Biphenyl	2000		1800	ug/Kg	90				75	113	
2-Chloronaphthalene	2000		1800	ug/Kg	90				67	118	
2-Nitroaniline	2000		1700	ug/Kg	85				69	127	
Dimethylphthalate	2000		1800	ug/Kg	90				70	113	
Acenaphthylene	2000		1900	ug/Kg	95				79	118	
2,6-Dinitrotoluene	2000		1800	ug/Kg	90				70	125	
3-Nitroaniline	2000		1100	ug/Kg	55				20	111	
Acenaphthene	2000		1900	ug/Kg	95				70	121	
Total PAH	32000		27200	ug/Kg	85				70	121	
2,4-Dinitrophenol	3900		3100	ug/Kg	79				16	160	
4-Nitrophenol	3900		2500	ug/Kg	64				45	133	
Dibenzofuran	2000		1800	ug/Kg	90				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2000		1800	ug/Kg	90				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	4000		3600	ug/Kg	90				55	128	
Diethylphthalate	2000		1800	ug/Kg	90				70	112	
4-Chlorophenyl-phenylether	2000		1700	ug/Kg	85				71	108	
Fluorene	2000		1700	ug/Kg	85				68	116	
4-Nitroaniline	2000		1300	ug/Kg	65				55	120	
4,6-Dinitro-2-methylphenol	2000		1800	ug/Kg	90				32	145	
N-Nitrosodiphenylamine	2000		1900	ug/Kg	95				73	118	
Azobenzene	2000		1600	ug/Kg	80				73	110	
4-Bromophenyl-phenylether	2000		1900	ug/Kg	95				65	121	
Hexachlorobenzene	2000		1800	ug/Kg	90				67	118	
Atrazine	2000		2100	ug/Kg	105				79	127	
Pentachlorophenol	3900		2900	ug/Kg	74				47	128	
Phenanthrene	2000		1800	ug/Kg	90				72	113	
Anthracene	2000		1900	ug/Kg	95				62	124	
Carbazole	2000		1600	ug/Kg	80				59	119	
Di-n-butylphthalate	2000		1900	ug/Kg	95				69	118	
Fluoranthene	2000		1400	ug/Kg	70				59	125	
Benzydine	3900		1900	ug/Kg	49				10	119	
Pyrene	2000		1800	ug/Kg	90				52	128	
Butylbenzylphthalate	2000		2100	ug/Kg	105				64	126	
3,3-Dichlorobenzidine	2000		1200	ug/Kg	60				10	164	
Benzo(a)anthracene	2000		1800	ug/Kg	90				71	114	
Chrysene	2000		1900	ug/Kg	95				57	121	
bis(2-Ethylhexyl)phthalate	2000		2300	ug/Kg	115				66	127	
Di-n-octyl phthalate	2000		2800	ug/Kg	140	*			71	126	
Benzo(b)fluoranthene	2000		1700	ug/Kg	85				67	121	
Benzo(k)fluoranthene	2000		1700	ug/Kg	85				74	114	
Benzo(a)pyrene	2000		1900	ug/Kg	95				70	142	
Indeno(1,2,3-cd)pyrene	2000		1400	ug/Kg	70				61	125	
Dibenz(a,h)anthracene	2000		1400	ug/Kg	70				67	130	
Benzo(g,h,i)perylene	2000		1300	ug/Kg	65				53	140	
1,2,4,5-Tetrachlorobenzene	2000		1900	ug/Kg	95				69	124	
1,4-Dioxane	2000		1600	ug/Kg	80				46	112	
2,3,4,6-Tetrachlorophenol	2000		1700	ug/Kg	85				56	133	
1-Methylnaphthalene	2000		1600	ug/Kg	80				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2432-01MSD	Client Sample ID:	B-02-011MSD					DataFile:	BF137885.D		
n-Nitrosodimethylamine	1900		1700	ug/Kg	89		11		66	124	20
Pyridine	1900		1700	ug/Kg	89		11		45	119	20
Benzaldehyde	1900		910	ug/Kg	48		11		26	163	20
Aniline	1900		1300	ug/Kg	68		5		10	88	20
Phenol	1900		1800	ug/Kg	95		5		67	126	20
bis(2-Chloroethyl)ether	1900		1800	ug/Kg	95		11		74	116	20
2-Chlorophenol	1900		1900	ug/Kg	100		5		61	138	20
1,2-Dichlorobenzene	1900		1800	ug/Kg	95		5		61	105	20
1,3-Dichlorobenzene	1900		1800	ug/Kg	95		11		62	101	20
1,4-Dichlorobenzene	1900		1800	ug/Kg	95		5		63	104	20
Benzyl Alcohol	1900		1900	ug/Kg	100		11		47	126	20
2-Methylphenol	1900		1800	ug/Kg	95		5		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1600	ug/Kg	84		5		52	115	20
Acetophenone	1900		1800	ug/Kg	95		5		75	111	20
3+4-Methylphenols	1900		1800	ug/Kg	95		11		53	132	20
N-Nitroso-di-n-propylamine	1900		1700	ug/Kg	89		5		59	119	20
Hexachloroethane	1900		1800	ug/Kg	95		11		65	117	20
Nitrobenzene	1900		1700	ug/Kg	89		11		70	119	20
Isophorone	1900		1800	ug/Kg	95		11		76	122	20
2-Nitrophenol	1900		2100	ug/Kg	111		10		54	145	20
2,4-Dimethylphenol	1900		2000	ug/Kg	105		10		83	144	20
bis(2-Chloroethoxy)methane	1900		1800	ug/Kg	95		11		68	112	20
2,4-Dichlorophenol	1900		1900	ug/Kg	100		11		72	118	20
1,2,4-Trichlorobenzene	1900		1800	ug/Kg	95		5		57	103	20
Benzoic acid	1900		1700	ug/Kg	89		11		50	104	20
Naphthalene	1900		1800	ug/Kg	95		11		72	110	20
4-Chloroaniline	1900		390	ug/Kg	21		5		10	100	20
Hexachlorobutadiene	1900		1800	ug/Kg	95		11		66	114	20
Caprolactam	1900		1800	ug/Kg	95		5		51	134	20
4-Chloro-3-methylphenol	1900		1900	ug/Kg	100		16		57	132	20
2-Methylnaphthalene	1900		1800	ug/Kg	95		11		59	123	20
Hexachlorocyclopentadiene	3900		4700	ug/Kg	121		5		10	175	20
2,4,6-Trichlorophenol	1900		1900	ug/Kg	100		11		72	117	20
2,4,5-Trichlorophenol	1900		1800	ug/Kg	95		5		72	117	20
1,1-Biphenyl	1900		1900	ug/Kg	100		11		75	113	20
2-Chloronaphthalene	1900		1800	ug/Kg	95		5		67	118	20
2-Nitroaniline	1900		1800	ug/Kg	95		11		69	127	20
Dimethylphthalate	1900		1900	ug/Kg	100		11		70	113	20
Acenaphthylene	1900		2000	ug/Kg	105		10		79	118	20
2,6-Dinitrotoluene	1900		1900	ug/Kg	100		11		70	125	20
3-Nitroaniline	1900		1100	ug/Kg	58		5		20	111	20
Acenaphthene	1900		1900	ug/Kg	100		5		70	121	20
Total PAH	30400		28300	ug/Kg	93		9		70	121	20
2,4-Dinitrophenol	3900		3300	ug/Kg	85		7		16	160	20
4-Nitrophenol	3900		2700	ug/Kg	69		8		45	133	20
Dibenzofuran	1900		1800	ug/Kg	95		5		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1900		1800	ug/Kg	95		5		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3700	ug/Kg	97		7		55	128	20
Diethylphthalate	1900		1900	ug/Kg	100		11		70	112	20
4-Chlorophenyl-phenylether	1900		1800	ug/Kg	95		11		71	108	20
Fluorene	1900		1800	ug/Kg	95		11		68	116	20
4-Nitroaniline	1900		1400	ug/Kg	74		13		55	120	20
4,6-Dinitro-2-methylphenol	1900		1900	ug/Kg	100		11		32	145	20
N-Nitrosodiphenylamine	1900		2000	ug/Kg	105		10		73	118	20
Azobenzene	1900		1800	ug/Kg	95		17		73	110	20
4-Bromophenyl-phenylether	1900		2000	ug/Kg	105		10		65	121	20
Hexachlorobenzene	1900		1900	ug/Kg	100		11		67	118	20
Atrazine	1900		2100	ug/Kg	111		6		79	127	20
Pentachlorophenol	3900		3000	ug/Kg	77		4		47	128	20
Phenanthrene	1900		1800	ug/Kg	95		5		72	113	20
Anthracene	1900		1900	ug/Kg	100		5		62	124	20
Carbazole	1900		1500	ug/Kg	79		1		59	119	20
Di-n-butylphthalate	1900		1900	ug/Kg	100		5		69	118	20
Fluoranthene	1900		1500	ug/Kg	79		12		59	125	20
Benzydine	3900		2100	ug/Kg	54		10		10	119	20
Pyrene	1900		1900	ug/Kg	100		11		52	128	20
Butylbenzylphthalate	1900		2100	ug/Kg	111		6		64	126	20
3,3-Dichlorobenzidine	1900		1200	ug/Kg	63		5		10	164	20
Benzo(a)anthracene	1900		1900	ug/Kg	100		11		71	114	20
Chrysene	1900		1900	ug/Kg	100		5		57	121	20
bis(2-Ethylhexyl)phthalate	1900		2300	ug/Kg	121		5		66	127	20
Di-n-octyl phthalate	1900		2900	ug/Kg	153	*	9		71	126	20
Benzo(b)fluoranthene	1900		1800	ug/Kg	95		11		67	121	20
Benzo(k)fluoranthene	1900		1800	ug/Kg	95		11		74	114	20
Benzo(a)pyrene	1900		2000	ug/Kg	105		10		70	142	20
Indeno(1,2,3-cd)pyrene	1900		1500	ug/Kg	79		12		61	125	20
Dibenz(a,h)anthracene	1900		1500	ug/Kg	79		12		67	130	20
Benzo(g,h,i)perylene	1900		1300	ug/Kg	68		5		53	140	20
1,2,4,5-Tetrachlorobenzene	1900		1900	ug/Kg	100		5		69	124	20
1,4-Dioxane	1900		1600	ug/Kg	84		5		46	112	20
2,3,4,6-Tetrachlorophenol	1900		1800	ug/Kg	95		11		56	133	20
1-Methylnaphthalene	1900		1700	ug/Kg	89		11		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2422-04MS		Client Sample ID: WCS-TP-DMS		DataFile: BF137887.D							
n-Nitrosodimethylamine	500		400	ug/L	80				10	130	
Pyridine	500		250	ug/L	50				10	109	
Benzaldehyde	500		180	ug/L	36				10	137	
Aniline	500		75.6	ug/L	15				10	130	
Phenol	500		390	ug/L	78				10	130	
bis(2-Chloroethyl)ether	500		420	ug/L	84				29	141	
2-Chlorophenol	500		450	ug/L	90				23	127	
1,2-Dichlorobenzene	500		420	ug/L	84				61	114	
1,3-Dichlorobenzene	500		410	ug/L	82				65	106	
1,4-Dichlorobenzene	500		420	ug/L	84				55	125	
Benzyl Alcohol	500		380	ug/L	76				31	94	
2-Methylphenol	500		450	ug/L	90				23	132	
2,2-oxybis(1-Chloropropane)	500		390	ug/L	78				36	141	
Acetophenone	500		450	ug/L	90				31	164	
3+4-Methylphenols	500		430	ug/L	86				17	136	
N-Nitroso-di-n-propylamine	500		430	ug/L	86				36	147	
Hexachloroethane	500		420	ug/L	84				35	137	
Nitrobenzene	500		420	ug/L	84				40	134	
Isophorone	500		440	ug/L	88				39	146	
2-Nitrophenol	500		500	ug/L	100				30	148	
2,4-Dimethylphenol	500		470	ug/L	94				17	143	
bis(2-Chloroethoxy)methane	500		430	ug/L	86				39	143	
2,4-Dichlorophenol	500		460	ug/L	92				22	146	
1,2,4-Trichlorobenzene	500		440	ug/L	88				66	110	
Benzoic acid	500		420	ug/L	84				10	101	
Naphthalene	500		440	ug/L	88				17	157	
4-Chloroaniline	500			ug/L	0	*			10	95	
Hexachlorobutadiene	500		420	ug/L	84				52	125	
Caprolactam	500		400	ug/L	80				10	130	
4-Chloro-3-methylphenol	500		460	ug/L	92				17	148	
2-Methylnaphthalene	500		450	ug/L	90				38	146	
Hexachlorocyclopentadiene	1000		1200	ug/L	120				20	153	
2,4,6-Trichlorophenol	500		460	ug/L	92				46	139	
2,4,5-Trichlorophenol	500		460	ug/L	92				42	129	
1,1-Biphenyl	500		470	ug/L	94				38	154	
2-Chloronaphthalene	500		450	ug/L	90				41	145	
2-Nitroaniline	500		430	ug/L	86				39	151	
Dimethylphthalate	500		490	ug/L	98				42	147	
Acenaphthylene	500		490	ug/L	98				40	141	
2,6-Dinitrotoluene	500		480	ug/L	96				43	148	
3-Nitroaniline	500		41.7	ug/L	8	*			10	111	
Acenaphthene	500		490	ug/L	98				37	146	
Total PAH	8000		7510	ug/L	94				37	146	
2,4-Dinitrophenol	1000		860	ug/L	86				14	167	
4-Nitrophenol	1000		560	ug/L	56				10	130	
Dibenzofuran	500		460	ug/L	92				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

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	1000		950	ug/L	95				40	151	
2,4-Dinitrotoluene	500		470	ug/L	94				40	151	
Diethylphthalate	500		480	ug/L	96				41	148	
4-Chlorophenyl-phenylether	500		460	ug/L	92				38	149	
Fluorene	500		460	ug/L	92				39	144	
4-Nitroaniline	500		270	ug/L	54				27	138	
4,6-Dinitro-2-methylphenol	500		510	ug/L	102				32	175	
N-Nitrosodiphenylamine	500		400	ug/L	80				40	150	
Azobenzene	500		440	ug/L	88				72	112	
4-Bromophenyl-phenylether	500		520	ug/L	104				42	151	
Hexachlorobenzene	500		510	ug/L	102				60	129	
Atrazine	500		260	ug/L	52				20	162	
Pentachlorophenol	1000		820	ug/L	82				15	137	
Phenanthrene	500		490	ug/L	98				40	147	
Anthracene	500		500	ug/L	100				41	146	
Carbazole	500		310	ug/L	62				37	154	
Di-n-butylphthalate	500		510	ug/L	102				40	151	
Fluoranthene	500		380	ug/L	76				42	146	
Benzidine	1000			ug/L	0	*			10	130	
Pyrene	500		470	ug/L	94				41	149	
Butylbenzylphthalate	500		550	ug/L	110				39	155	
3,3-Dichlorobenzidine	500		24.9	ug/L	5	*			10	114	
Benzo(a)anthracene	500		500	ug/L	100				41	147	
Chrysene	500		510	ug/L	102				44	144	
bis(2-Ethylhexyl)phthalate	500		580	ug/L	116				33	160	
Di-n-octyl phthalate	500		720	ug/L	144				36	158	
Benzo(b)fluoranthene	500		510	ug/L	102				40	150	
Benzo(k)fluoranthene	500		550	ug/L	110				40	147	
Benzo(a)pyrene	500		540	ug/L	108				42	147	
Indeno(1,2,3-cd)pyrene	500		420	ug/L	84				30	166	
Dibenz(a,h)anthracene	500		410	ug/L	82				23	172	
Benzo(g,h,i)perylene	500		350	ug/L	70				27	167	
1,2,4,5-Tetrachlorobenzene	500		470	ug/L	94				89	102	
1,4-Dioxane	500		370	ug/L	74				38	130	
2,3,4,6-Tetrachlorophenol	500		460	ug/L	92				91	111	
1-Methylnaphthalene	500		430	ug/L	86				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2422-04MSD		Client Sample ID: WCS-TP-DMSD		DataFile: BF137888.D							
n-Nitrosodimethylamine	500		370	ug/L	74		8		10	130	20
Pyridine	500		240	ug/L	48		4		10	109	20
Benzaldehyde	500		160	ug/L	32		12		10	137	20
Aniline	500		170	ug/L	34		78	*	10	130	20
Phenol	500		360	ug/L	72		8		10	130	20
bis(2-Chloroethyl)ether	500		400	ug/L	80		5		29	141	20
2-Chlorophenol	500		410	ug/L	82		9		23	127	20
1,2-Dichlorobenzene	500		390	ug/L	78		7		61	114	20
1,3-Dichlorobenzene	500		370	ug/L	74		10		65	106	20
1,4-Dichlorobenzene	500		380	ug/L	76		10		55	125	20
Benzyl Alcohol	500		420	ug/L	84		10		31	94	20
2-Methylphenol	500		420	ug/L	84		7		23	132	20
2,2-oxybis(1-Chloropropane)	500		360	ug/L	72		8		36	141	20
Acetophenone	500		430	ug/L	86		5		31	164	20
3+4-Methylphenols	500		400	ug/L	80		7		17	136	20
N-Nitroso-di-n-propylamine	500		400	ug/L	80		7		36	147	20
Hexachloroethane	500		370	ug/L	74		13		35	137	20
Nitrobenzene	500		400	ug/L	80		5		40	134	20
Isophorone	500		420	ug/L	84		5		39	146	20
2-Nitrophenol	500		470	ug/L	94		6		30	148	20
2,4-Dimethylphenol	500		450	ug/L	90		4		17	143	20
bis(2-Chloroethoxy)methane	500		410	ug/L	82		5		39	143	20
2,4-Dichlorophenol	500		440	ug/L	88		4		22	146	20
1,2,4-Trichlorobenzene	500		410	ug/L	82		7		66	110	20
Benzoic acid	500		400	ug/L	80		5		10	101	20
Naphthalene	500		410	ug/L	82		7		17	157	20
4-Chloroaniline	500		39.9	ug/L	8	*	200	*	10	95	20
Hexachlorobutadiene	500		400	ug/L	80		5		52	125	20
Caprolactam	500		400	ug/L	80		0		10	130	20
4-Chloro-3-methylphenol	500		450	ug/L	90		2		17	148	20
2-Methylnaphthalene	500		430	ug/L	86		5		38	146	20
Hexachlorocyclopentadiene	1000		1100	ug/L	110		9		20	153	20
2,4,6-Trichlorophenol	500		460	ug/L	92		0		46	139	20
2,4,5-Trichlorophenol	500		460	ug/L	92		0		42	129	20
1,1-Biphenyl	500		450	ug/L	90		4		38	154	20
2-Chloronaphthalene	500		440	ug/L	88		2		41	145	20
2-Nitroaniline	500		460	ug/L	92		7		39	151	20
Dimethylphthalate	500		490	ug/L	98		0		42	147	20
Acenaphthylene	500		490	ug/L	98		0		40	141	20
2,6-Dinitrotoluene	500		470	ug/L	94		2		43	148	20
3-Nitroaniline	500		200	ug/L	40		133	*	10	111	20
Acenaphthene	500		480	ug/L	96		2		37	146	20
Total PAH	8000		7210	ug/L	90		4		37	146	20
2,4-Dinitrophenol	1000		870	ug/L	87		1		14	167	20
4-Nitrophenol	1000		590	ug/L	59		5		10	130	20
Dibenzofuran	500		460	ug/L	92		0		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF051024

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	1000		950	ug/L	95		0		40	151	20
2,4-Dinitrotoluene	500		480	ug/L	96		2		40	151	20
Diethylphthalate	500		480	ug/L	96		0		41	148	20
4-Chlorophenyl-phenylether	500		450	ug/L	90		2		38	149	20
Fluorene	500		440	ug/L	88		4		39	144	20
4-Nitroaniline	500		340	ug/L	68		23	*	27	138	20
4,6-Dinitro-2-methylphenol	500		510	ug/L	102		0		32	175	20
N-Nitrosodiphenylamine	500		520	ug/L	104		26	*	40	150	20
Azobenzene	500		440	ug/L	88		0		72	112	20
4-Bromophenyl-phenylether	500		540	ug/L	108		4		42	151	20
Hexachlorobenzene	500		530	ug/L	106		4		60	129	20
Atrazine	500		580	ug/L	116		76	*	20	162	20
Pentachlorophenol	1000		830	ug/L	83		1		15	137	20
Phenanthrene	500		480	ug/L	96		2		40	147	20
Anthracene	500		490	ug/L	98		2		41	146	20
Carbazole	500		410	ug/L	82		28	*	37	154	20
Di-n-butylphthalate	500		490	ug/L	98		4		40	151	20
Fluoranthene	500		380	ug/L	76		0		42	146	20
Benzidine	1000		90.1	ug/L	9	*	200	*	10	130	20
Pyrene	500		490	ug/L	98		4		41	149	20
Butylbenzylphthalate	500		560	ug/L	112		2		39	155	20
3,3-Dichlorobenzidine	500		350	ug/L	70		173	*	10	114	20
Benzo(a)anthracene	500		490	ug/L	98		2		41	147	20
Chrysene	500		500	ug/L	100		2		44	144	20
bis(2-Ethylhexyl)phthalate	500		610	ug/L	122		5		33	160	20
Di-n-octyl phthalate	500		700	ug/L	140		3		36	158	20
Benzo(b)fluoranthene	500		500	ug/L	100		2		40	150	20
Benzo(k)fluoranthene	500		480	ug/L	96		14		40	147	20
Benzo(a)pyrene	500		510	ug/L	102		6		42	147	20
Indeno(1,2,3-cd)pyrene	500		370	ug/L	74		13		30	166	20
Dibenz(a,h)anthracene	500		370	ug/L	74		10		23	172	20
Benzo(g,h,i)perylene	500		330	ug/L	66		6		27	167	20
1,2,4,5-Tetrachlorobenzene	500		440	ug/L	88	*	7		89	102	20
1,4-Dioxane	500		320	ug/L	64		14		38	130	20
2,3,4,6-Tetrachlorophenol	500		450	ug/L	90	*	2		91	111	20
1-Methylnaphthalene	500		410	ug/L	82		5		25	151	20



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

Surrogate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160643BS	PB160643BS	BF137878.D	2-Fluorophenol	150	118.16	79		18	112
			Phenol-d6	150	119.38	80		15	107
			Nitrobenzene-d5	100	81.40	81		18	107
			2-Fluorobiphenyl	100	83.68	84		20	109
			2,4,6-Tribromophenol	150	131.47	88		10	110
			Terphenyl-d14	100	89.59	90		14	112



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

Surrogate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160779BS	PB160779BS	BF137882.D	2-Fluorophenol	150	124.67	83		18	112
			Phenol-d6	150	121.86	81		15	107
			Nitrobenzene-d5	100	80.86	81		18	107
			2-Fluorobiphenyl	100	82.95	83		20	109
			2,4,6-Tribromophenol	150	129.28	86		10	110
			Terphenyl-d14	100	92.69	93		14	112



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

Surrogate Summary

SW-846

SDG No.: BF051024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160807BS	PB160807BS	BF137879.D	2-Fluorophenol	150	122.06	81		18	112
			Phenol-d6	150	120.19	80		15	107
			Nitrobenzene-d5	100	81.02	81		18	107
			2-Fluorobiphenyl	100	81.89	82		20	109
			2,4,6-Tribromophenol	150	133.92	89		10	110
			Terphenyl-d14	100	93.76	94		14	112



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

Surrogate Summary

SW-846

SDG No.: **BF051024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160825BL	PB160825BL	BF137876.D	2-Fluorophenol	150	125.15	83		10	139
			Phenol-d6	150	126.27	84		10	134
			Nitrobenzene-d5	100	88.30	88		49	133
			2-Fluorobiphenyl	100	87.63	88		52	132
			2,4,6-Tribromophenol	150	135.19	90		32	145
			Terphenyl-d14	100	90.31	90		36	145
PB160825BS	PB160825BS	BF137877.D	2-Fluorophenol	150	121.84	81		10	139
			Phenol-d6	150	118.65	79		10	134
			Nitrobenzene-d5	100	84.03	84		49	133
			2-Fluorobiphenyl	100	86.97	87		52	132
			2,4,6-Tribromophenol	150	136.99	91		32	145
			Terphenyl-d14	100	95.94	96		36	145

Surrogate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2432-01	B-02-011	BF137883.D	2-Fluorophenol	150	100.41	67		18	112
			Phenol-d6	150	98.53	66		15	107
			Nitrobenzene-d5	100	69.13	69		18	107
			2-Fluorobiphenyl	100	74.62	75		20	109
			2,4,6-Tribromophenol	150	93.68	62		10	110
			Terphenyl-d14	100	69.93	70		14	112
P2432-01MS	B-02-011MS	BF137884.D	2-Fluorophenol	150	93.29	62		18	112
			Phenol-d6	150	94.26	63		15	107
			Nitrobenzene-d5	100	61.58	62		18	107
			2-Fluorobiphenyl	100	65.58	66		20	109
			2,4,6-Tribromophenol	150	91.87	61		10	110
			Terphenyl-d14	100	67.59	68		14	112
P2432-01MSD	B-02-011MSD	BF137885.D	2-Fluorophenol	150	98.78	66		18	112
			Phenol-d6	150	97.18	65		15	107
			Nitrobenzene-d5	100	64.09	64		18	107
			2-Fluorobiphenyl	100	69.32	69		20	109
			2,4,6-Tribromophenol	150	100.49	67		10	110
			Terphenyl-d14	100	72.00	72		14	112
P2432-02	B-01-011	BF137892.D	2-Fluorophenol	150	82.39	55		18	112
			Phenol-d6	150	80.75	54		15	107
			Nitrobenzene-d5	100	54.05	54		18	107
			2-Fluorobiphenyl	100	59.01	59		20	109
			2,4,6-Tribromophenol	150	77.44	52		10	110
			Terphenyl-d14	100	55.49	55		14	112
P2432-03	SW-01-011	BF137893.D	2-Fluorophenol	150	95.68	64		18	112
			Phenol-d6	150	92.78	62		15	107
			Nitrobenzene-d5	100	62.53	63		18	107
			2-Fluorobiphenyl	100	68.11	68		20	109
			2,4,6-Tribromophenol	150	84.93	57		10	110
			Terphenyl-d14	100	60.89	61		14	112
P2432-04	SW-02-011	BF137894.D	2-Fluorophenol	150	83.76	56		18	112
			Phenol-d6	150	82.33	55		15	107
			Nitrobenzene-d5	100	55.26	55		18	107
			2-Fluorobiphenyl	100	60.99	61		20	109
			2,4,6-Tribromophenol	150	75.49	50		10	110
			Terphenyl-d14	100	58.02	58		14	112
P2432-05	SW-03-011	BF137895.D	2-Fluorophenol	150	87.12	58		18	112
			Phenol-d6	150	86.04	57		15	107
			Nitrobenzene-d5	100	57.10	57		18	107
			2-Fluorobiphenyl	100	61.90	62		20	109
			2,4,6-Tribromophenol	150	79.27	53		10	110
			Terphenyl-d14	100	60.06	60		14	112
P2432-06	SW-04-011	BF137891.D	2-Fluorophenol	150	76.41	51		18	112
			Phenol-d6	150	73.86	49		15	107
			Nitrobenzene-d5	100	50.19	50		18	107
			2-Fluorobiphenyl	100	56.76	57		20	109
			2,4,6-Tribromophenol	150	66.80	45		10	110
			Terphenyl-d14	100	52.97	53		14	112
PB160847BL	PB160847BL	BF137880.D	2-Fluorophenol	150	129.90	87		18	112



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Surrogate Summary

SW-846

SDG No.: **BF051024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160847BL	PB160847BL	BF137880.D	Phenol-d6	150	128.70	86		15	107
			Nitrobenzene-d5	100	87.50	87		18	107
			2-Fluorobiphenyl	100	91.03	91		20	109
			2,4,6-Tribromophenol	150	133.37	89		10	110
			Terphenyl-d14	100	93.09	93		14	112
PB160847BS	PB160847BS	BF137881.D	2-Fluorophenol	150	122.98	82		18	112
			Phenol-d6	150	120.15	80		15	107
			Nitrobenzene-d5	100	80.68	81		18	107
			2-Fluorobiphenyl	100	83.00	83		20	109
			2,4,6-Tribromophenol	150	134.10	89		10	110
			Terphenyl-d14	100	91.90	92		14	112

Surrogate Summary

SW-846

SDG No.: **BF051024**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2422-04	WCS-TP-D	BF137886.D	2-Fluorophenol	150	125.20	83		10	139
			Phenol-d6	150	112.46	75		10	134
			Nitrobenzene-d5	100	89.81	90		49	133
			2-Fluorobiphenyl	100	92.24	92		52	132
			2,4,6-Tribromophenol	150	122.53	82		32	145
			Terphenyl-d14	100	101.35	101		36	145
P2422-04MS	WCS-TP-DMS	BF137887.D	2-Fluorophenol	150	119.27	80		10	139
			Phenol-d6	150	110.57	74		10	134
			Nitrobenzene-d5	100	85.85	86		49	133
			2-Fluorobiphenyl	100	89.46	89		52	132
			2,4,6-Tribromophenol	150	130.84	87		32	145
			Terphenyl-d14	100	93.79	94		36	145
P2422-04MSD	WCS-TP-DMSD	BF137888.D	2-Fluorophenol	150	111.44	74		10	139
			Phenol-d6	150	103.12	69		10	134
			Nitrobenzene-d5	100	81.99	82		49	133
			2-Fluorobiphenyl	100	86.99	87		52	132
			2,4,6-Tribromophenol	150	132.45	88		32	145
			Terphenyl-d14	100	96.75	97		36	145
P2422-08	WCS-TP-F	BF137889.D	2-Fluorophenol	150	114.72	76		10	139
			Phenol-d6	150	102.49	68		10	134
			Nitrobenzene-d5	100	82.17	82		49	133
			2-Fluorobiphenyl	100	91.02	91		52	132
			2,4,6-Tribromophenol	150	119.39	80		32	145
			Terphenyl-d14	100	106.88	107		36	145
P2423-04	WC-GG	BF137890.D	2-Fluorophenol	150	105.98	71		10	139
			Phenol-d6	150	95.98	64		10	134
			Nitrobenzene-d5	100	79.44	79		49	133
			2-Fluorobiphenyl	100	83.07	83		52	132
			2,4,6-Tribromophenol	150	118.56	79		32	145
			Terphenyl-d14	100	98.47	98		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF051024

Lab Code: CHEM

SAS No.: BF051024

SDG NO.: BF051024

Lab File ID: BF137874.D

DFTPP Injection Date: 05/10/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	41.1
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	6.3
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BF137875.D	05/10/2024	12:03
PB160825BL	PB160825BL	BF137876.D	05/10/2024	12:33
PB160825BS	PB160825BS	BF137877.D	05/10/2024	13:03
PB160643BS	PB160643BS	BF137878.D	05/10/2024	13:33
PB160807BS	PB160807BS	BF137879.D	05/10/2024	14:18
PB160847BL	PB160847BL	BF137880.D	05/10/2024	14:47
PB160847BS	PB160847BS	BF137881.D	05/10/2024	15:17
PB160779BS	PB160779BS	BF137882.D	05/10/2024	15:47
B-02-011	P2432-01	BF137883.D	05/10/2024	16:22
B-02-011MS	P2432-01MS	BF137884.D	05/10/2024	16:51
B-02-011MSD	P2432-01MSD	BF137885.D	05/10/2024	17:21
WCS-TP-D	P2422-04	BF137886.D	05/10/2024	17:52
WCS-TP-DMS	P2422-04MS	BF137887.D	05/10/2024	18:22
WCS-TP-DMSD	P2422-04MSD	BF137888.D	05/10/2024	18:52
WCS-TP-F	P2422-08	BF137889.D	05/10/2024	19:22
WC-GG	P2423-04	BF137890.D	05/10/2024	19:52
SW-04-011	P2432-06	BF137891.D	05/10/2024	20:21
B-01-011	P2432-02	BF137892.D	05/10/2024	20:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF051024

Lab Code: CHEM

SAS No.: BF051024

SDG NO.: BF051024

Lab File ID: BF137874.D

DFTPP Injection Date: 05/10/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	41.1
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	6.3
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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
SW-01-011	P2432-03	BF137893.D	05/10/2024	21:21
SW-02-011	P2432-04	BF137894.D	05/10/2024	21:51
SW-03-011	P2432-05	BF137895.D	05/10/2024	22:21