

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF080924 SAS No.: BF080924 SDG No.: BF080924

Instrument ID: BNA_F Calibration Date/Time: 8/9/2024 12:09:48

Lab File ID: BF138879.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	0.818	0.850		3.912	
Pyridine	1.374	1.192		-13.246	
2-Fluorophenol	1.296	1.253		-3.318	
Benzaldehyde	1.043	0.831		-20.326	
Aniline	1.551	1.495		-3.611	
Phenol-d6	1.740	1.688		-2.989	
Phenol	1.832	1.767		-3.495	20.0
bis(2-Chloroethyl) ether	1.409	1.319		-6.388	
2-Chlorophenol	1.363	1.362		-0.073	
1,2-Dichlorobenzene	1.439	1.466		1.876	
1,3-Dichlorobenzene	1.526	1.500		-1.704	
1,4-Dichlorobenzene	1.540	1.516		-1.558	20.0
Benzyl Alcohol	1.254	1.333		6.3	
2-Methylphenol	1.126	1.087		-3.464	
2,2-oxybis(1-Chloropropane)	2.426	2.133		-12.077	
Acetophenone	0.490	0.500		2.041	
3+4-Methylphenols	1.444	1.469		1.731	
n-Nitroso-di-n-propylamine	1.051	1.087	0.050	3.425	
Nitrobenzene-d5	0.409	0.415		1.467	
Hexachloroethane	0.580	0.586		1.034	
Nitrobenzene	0.416	0.419		0.721	
Isophorone	0.699	0.689		-1.431	
2-Nitrophenol	0.179	0.185		3.352	20.0
2,4-Dimethylphenol	0.214	0.210		-1.869	
bis(2-Chloroethoxy) methane	0.425	0.413		-2.824	
2,4-Dichlorophenol	0.275	0.284		3.273	20.0
1,2,4-Trichlorobenzene	0.318	0.318		0.0	
Benzoic acid	0.168	0.149		-11.31	
Naphthalene	1.053	1.044		-0.855	
4-Chloroaniline	0.353	0.328		-7.082	
Hexachlorobutadiene	0.192	0.201		4.688	20.0
Caprolactam	0.082	0.086		4.878	
4-Chloro-3-methylphenol	0.315	0.330		4.762	20.0
2-Methylnaphthalene	0.665	0.685		3.008	
Hexachlorocyclopentadiene	0.120	0.169	0.050	40.833	
2,4,6-Trichlorophenol	0.339	0.331		-2.36	20.0
2-Fluorobiphenyl	1.331	1.366		2.63	
2,4,5-Trichlorophenol	0.370	0.367		-0.811	
1,1-Biphenyl	1.566	1.528		-2.427	

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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	1.165	1.138		-2.318	
2-Nitroaniline	0.395	0.398		0.759	
Dimethylphthalate	1.279	1.314		2.737	
Acenaphthylene	1.652	1.623		-1.755	
2,6-Dinitrotoluene	0.289	0.297		2.768	
3-Nitroaniline	0.298	0.297		-0.336	
Acenaphthene	1.111	1.081		-2.7	20.0
2,4-Dinitrophenol	0.133	0.150	0.050	12.782	
4-Nitrophenol	0.179	0.191	0.050	6.704	
Dibenzofuran	1.568	1.578		0.638	
2,4-Dinitrotoluene	0.368	0.397		7.88	
Diethylphthalate	1.213	1.332		9.81	
4-Chlorophenyl-phenylether	0.614	0.641		4.397	
Fluorene	1.249	1.298		3.923	
4-Nitroaniline	0.284	0.291		2.465	
4,6-Dinitro-2-methylphenol	0.122	0.127		4.098	
n-Nitrosodiphenylamine	0.625	0.630		0.8	20.0
Azobenzene	1.345	1.364		1.413	
2,4,6-Tribromophenol	0.164	0.175		6.707	
4-Bromophenyl-phenylether	0.217	0.218		0.461	
Hexachlorobenzene	0.224	0.225		0.446	
Atrazine	0.161	0.156		-3.106	
Pentachlorophenol	0.101	0.114		12.871	20.0
Phenanthrene	1.030	1.033		0.291	
Anthracene	1.015	1.020		0.493	
Carbazole	0.875	0.907		3.657	
Di-n-butylphthalate	0.984	1.177		19.614	
Fluoranthene	0.961	1.015		5.619	20.0
Benzidine	0.478	0.476		-0.418	
Pyrene	1.883	2.164		14.923	
Terphenyl-d14	1.195	1.398		16.987	
Butylbenzylphthalate	0.603	0.704		16.75	
3,3-Dichlorobenzidine	0.352	0.347		-1.42	
Benzo(a)anthracene	1.377	1.353		-1.743	
Chrysene	1.243	1.242		-0.08	
Bis(2-ethylhexyl)phthalate	0.883	0.836		-5.323	
Di-n-octyl phthalate	1.634	1.399		-14.382	20.0
Benzo(b)fluoranthene	1.240	1.263		1.855	
Benzo(k)fluoranthene	1.073	1.156		7.735	

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Instrument ID: BNA_F Calibration Date/Time: 8/9/2024 12:09:48

Lab File ID: BF138879.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	1.043	1.059		1.534	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.357		-5.304	
Dibenzo(a,h)anthracene	1.177	1.120		-4.843	
Benzo(g,h,i)perylene	1.221	1.111		-9.009	
1,2,4,5-Tetrachlorobenzene	0.556	0.558		0.36	
1,4-Dioxane	0.567	0.467		-17.637	20.0
2,3,4,6-Tetrachlorophenol	0.283	0.290		2.473	
1-Methylnaphthalene	0.652	0.663		1.687	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162421BL	SDG No.:	BF080924
Lab Sample ID:	PB162421BL	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
BF138880.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162421

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:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162421BL	SDG No.:	BF080924
Lab Sample ID:	PB162421BL	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
BF138880.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162421

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



Client:				Date Collected:	8/1/2024 12:00:00 AM	
Project:				Date Received:	8/1/2024 12:00:00 AM	
Client Sample ID:	PB162421BL			SDG No.:	BF080924	
Lab Sample ID:	PB162421BL			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
BF138880.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162421

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134.312		18-112		90	SPK: -150
13127-88-3	Phenol-d6	133.96		15-107		89	SPK: -150
4165-60-0	Nitrobenzene-d5	86.934		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	87.834		20-109		88	SPK: -100

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162421BL	SDG No.:	BF080924
Lab Sample ID:	PB162421BL	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
BF138880.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162421

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.499		10-110		98	SPK: -150
1718-51-0	Terphenyl-d14	105.804		14-112		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53191	6.839				
1146-65-2	Naphthalene-d8	228290	8.122				
15067-26-2	Acenaphthene-d10	132774	9.874				
1517-22-2	Phenanthrene-d10	250338	11.357				
1719-03-5	Chrysene-d12	153257	13.998				
1520-96-3	Perylene-d12	107984	15.462				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J			2.21	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A			5.092	
000593-49-7	Heptacosane	69.9	J			15.015	

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BL	SDG No.:	BF080924
Lab Sample ID:	PB162358BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138881.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

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

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BL	SDG No.:	BF080924
Lab Sample ID:	PB162358BL	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
BF138881.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

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

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BL	SDG No.:	BF080924
Lab Sample ID:	PB162358BL	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
BF138881.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	172.398	*	18-112		115	SPK: -150
13127-88-3	Phenol-d6	172.649	*	15-107		115	SPK: -150
4165-60-0	Nitrobenzene-d5	112.825	*	18-107		113	SPK: -100
321-60-8	2-Fluorobiphenyl	110.663	*	20-109		111	SPK: -100

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BL	SDG No.:	BF080924
Lab Sample ID:	PB162358BL	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
BF138881.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	185.053	*	10-110		123	SPK: -150
1718-51-0	Terphenyl-d14	131.131	*	14-112		131	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43125	6.84				
1146-65-2	Naphthalene-d8	181651	8.122				
15067-26-2	Acenaphthene-d10	110150	9.875				
1517-22-2	Phenanthrene-d10	210869	11.357				
1719-03-5	Chrysene-d12	130997	13.998				
1520-96-3	Perylene-d12	89677	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	170	J			2.222	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	A			5.093	

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BS	SDG No.:	BF080924
Lab Sample ID:	PB162358BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138882.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		86.7	270	330	ug/Kg
110-86-1	Pyridine	1100		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1300		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1100		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	900		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BS	SDG No.:	BF080924
Lab Sample ID:	PB162358BS	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
BF138882.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

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	1700		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	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	1500		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	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25400		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	1600		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1700		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1800		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BS	SDG No.:	BF080924
Lab Sample ID:	PB162358BS	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
BF138882.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

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	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1900		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	130	170	ug/Kg
92-87-5	Benzidine	430		160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		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	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		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	980		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.178		18-112		87	SPK: -150
13127-88-3	Phenol-d6	128.978		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	85.801		18-107		86	SPK: -100
321-60-8	2-Fluorobiphenyl	87.504		20-109		88	SPK: -100

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	PB162358BS	SDG No.:	BF080924
Lab Sample ID:	PB162358BS	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
BF138882.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.373		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	118.682	*	14-112		119	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55939	6.84				
1146-65-2	Naphthalene-d8	235563	8.122				
15067-26-2	Acenaphthene-d10	134838	9.875				
1517-22-2	Phenanthrene-d10	234224	11.363				
1719-03-5	Chrysene-d12	112592	14.004				
1520-96-3	Perylene-d12	98223	15.463				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BL	SDG No.:	BF080924
Lab Sample ID:	PB162423BL	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
BF138883.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

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

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BL	SDG No.:	BF080924
Lab Sample ID:	PB162423BL	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
BF138883.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

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

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BL	SDG No.:	BF080924
Lab Sample ID:	PB162423BL	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
BF138883.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

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	160.833		10-139		107	SPK: -150
13127-88-3	Phenol-d6	160.814		10-134		107	SPK: -150
4165-60-0	Nitrobenzene-d5	107.525		49-133		108	SPK: -100
321-60-8	2-Fluorobiphenyl	105.866		52-132		106	SPK: -100

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BL	SDG No.:	BF080924
Lab Sample ID:	PB162423BL	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
BF138883.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	179.277		32-145		120	SPK: -150
1718-51-0	Terphenyl-d14	128.699		36-145		129	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40879	6.84				
1146-65-2	Naphthalene-d8	169292	8.122				
15067-26-2	Acenaphthene-d10	101270	9.875				
1517-22-2	Phenanthrene-d10	195894	11.357				
1719-03-5	Chrysene-d12	116610	13.998				
1520-96-3	Perylene-d12	79046	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4.1	J			2.21	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.2	A			5.093	

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BS	SDG No.:	BF080924
Lab Sample ID:	PB162423BS	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
BF138884.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51		1	8	10	ug/L
110-86-1	Pyridine	33.5		1.6	4	5	ug/L
100-52-7	Benzaldehyde	40		4	8	10	ug/L
62-53-3	Aniline	34.7		1.6	4	5	ug/L
108-95-2	Phenol	48.2		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.8		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	50.9		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	47.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	52.8		1.6	8	10	ug/L
95-48-7	2-Methylphenol	48.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.1		1.4	4	5	ug/L
98-86-2	Acetophenone	43.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	51		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	51.7		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46		1	4	5	ug/L
98-95-3	Nitrobenzene	43.2		1.3	4	5	ug/L
78-59-1	Isophorone	45.8		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.6		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	50.6		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.7		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.1		1.1	4	5	ug/L
65-85-0	Benzoic acid	36.8		5.5	8	10	ug/L
91-20-3	Naphthalene	44.7		1	4	5	ug/L
106-47-8	4-Chloroaniline	23.1		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	44.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BS	SDG No.:	BF080924
Lab Sample ID:	PB162423BS	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
BF138884.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	43.7		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	47.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41.4		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.7		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	46.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.8		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	30		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.3		0.81	4	5	ug/L
Total PAH	Total PAH	761.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	93.9	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	79.6		2	8	10	ug/L
132-64-9	Dibenzofuran	47.1		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	49.2		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	44.9		2.7	4	10	ug/L
84-66-2	Diethylphthalate	50.9		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48		0.98	4	5	ug/L
86-73-7	Fluorene	47.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.6		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.1		0.89	4	5	ug/L
103-33-3	Azobenzene	47.7		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	45.2		1.1	4	5	ug/L
1912-24-9	Atrazine	54.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BS	SDG No.:	BF080924
Lab Sample ID:	PB162423BS	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
BF138884.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	79.7		1.9	8	10	ug/L
85-01-8	Phenanthrene	46.8		0.89	4	5	ug/L
120-12-7	Anthracene	48.3		1.1	4	5	ug/L
86-74-8	Carbazole	46.3		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	55.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	48.3		1.3	4	5	ug/L
92-87-5	Benzidine	13		4.1	8	10	ug/L
129-00-0	Pyrene	50.3		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	57.3		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.8		0.94	4	5	ug/L
218-01-9	Chrysene	47.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.6		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	38.5		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	53.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	52.4		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.7		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.2		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	41.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	30.1		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.6		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	44		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134.881		10-139		90	SPK: -150
13127-88-3	Phenol-d6	132.77		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	84.691		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	86.954		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	PB162423BS	SDG No.:	BF080924
Lab Sample ID:	PB162423BS	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
BF138884.D	1	8/1/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.76		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	117.532		36-145		118	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54661	6.84				
1146-65-2	Naphthalene-d8	239610	8.122				
15067-26-2	Acenaphthene-d10	137458	9.881				
1517-22-2	Phenanthrene-d10	237762	11.363				
1719-03-5	Chrysene-d12	114847	14.004				
1520-96-3	Perylene-d12	99135	15.463				

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BL	SDG No.:	BF080924
Lab Sample ID:	PB162489BL	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
BF138885.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BL	SDG No.:	BF080924
Lab Sample ID:	PB162489BL	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
BF138885.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BL	SDG No.:	BF080924
Lab Sample ID:	PB162489BL	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
BF138885.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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	165.532		10-139		110	SPK: -150
13127-88-3	Phenol-d6	166.883		10-134		111	SPK: -150
4165-60-0	Nitrobenzene-d5	112.296		49-133		112	SPK: -100
321-60-8	2-Fluorobiphenyl	110.16		52-132		110	SPK: -100

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BL	SDG No.:	BF080924
Lab Sample ID:	PB162489BL	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
BF138885.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	182.406		32-145		122	SPK: -150
1718-51-0	Terphenyl-d14	135.98		36-145		136	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40127	6.84				
1146-65-2	Naphthalene-d8	165520	8.122				
15067-26-2	Acenaphthene-d10	99849	9.875				
1517-22-2	Phenanthrene-d10	189104	11.363				
1719-03-5	Chrysene-d12	112088	13.998				
1520-96-3	Perylene-d12	75976	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.7	J			2.222	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	11.2	A			5.093	

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BS	SDG No.:	BF080924
Lab Sample ID:	PB162489BS	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
BF138886.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.8		1	8	10	ug/L
110-86-1	Pyridine	32.5		1.6	4	5	ug/L
100-52-7	Benzaldehyde	38.9		4	8	10	ug/L
62-53-3	Aniline	33.1		1.6	4	5	ug/L
108-95-2	Phenol	47.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.4		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	51		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47.4		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.5		1.4	4	5	ug/L
98-86-2	Acetophenone	44.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	49.8		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	49.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.5		1	4	5	ug/L
98-95-3	Nitrobenzene	43.6		1.3	4	5	ug/L
78-59-1	Isophorone	46.3		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	50.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.2		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.8		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	36.1		5.5	8	10	ug/L
91-20-3	Naphthalene	44.3		1	4	5	ug/L
106-47-8	4-Chloroaniline	21		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	44.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BS	SDG No.:	BF080924
Lab Sample ID:	PB162489BS	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
BF138886.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	100	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	46.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.4		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.9		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	43.5		0.81	4	5	ug/L
Total PAH	Total PAH	769.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	91.3	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	77.7		2	8	10	ug/L
132-64-9	Dibenzofuran	46.4		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	94.6		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	48.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	50.9		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.4		0.98	4	5	ug/L
86-73-7	Fluorene	47.8		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.8		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.5		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47		0.89	4	5	ug/L
103-33-3	Azobenzene	47.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	47		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	46.4		1.1	4	5	ug/L
1912-24-9	Atrazine	54.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BS	SDG No.:	BF080924
Lab Sample ID:	PB162489BS	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
BF138886.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	75.1		1.9	8	10	ug/L
85-01-8	Phenanthrene	47.8		0.89	4	5	ug/L
120-12-7	Anthracene	49		1.1	4	5	ug/L
86-74-8	Carbazole	46.7		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	55.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	48.8		1.3	4	5	ug/L
92-87-5	Benzidine	13.1		4.1	8	10	ug/L
129-00-0	Pyrene	50.1		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	56.7		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.6		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.9		0.94	4	5	ug/L
218-01-9	Chrysene	48.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	38.9		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	57.5		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	53		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.7		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	41.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	30.1		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.1		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.6		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	130.202		10-139		87	SPK: -150
13127-88-3	Phenol-d6	129.246		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	85.05		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	86.902		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162489BS	SDG No.:	BF080924
Lab Sample ID:	PB162489BS	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
BF138886.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.707		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	116.392		36-145		116	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55937	6.84				
1146-65-2	Naphthalene-d8	237308	8.122				
15067-26-2	Acenaphthene-d10	135700	9.881				
1517-22-2	Phenanthrene-d10	232367	11.363				
1719-03-5	Chrysene-d12	113862	14.004				
1520-96-3	Perylene-d12	96864	15.463				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	TOPSOIL	SDG No.:	BF080924
Lab Sample ID:	P3464-02	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
BF138887.D	1	8/7/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162577

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	TOPSOIL	SDG No.:	BF080924
Lab Sample ID:	P3464-02	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
BF138887.D	1	8/7/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162577

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	TOPSOIL	SDG No.:	BF080924
Lab Sample ID:	P3464-02	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
BF138887.D	1	8/7/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162577

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	55.712		10-139		37	SPK: -150
13127-88-3	Phenol-d6	33.194		10-134		22	SPK: -150
4165-60-0	Nitrobenzene-d5	89.112		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	89.521		52-132		90	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	TOPSOIL	SDG No.:	BF080924
Lab Sample ID:	P3464-02	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
BF138887.D	1	8/7/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162577

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.197		32-145		73	SPK: -150
1718-51-0	Terphenyl-d14	106.495		36-145		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36821	6.839				
1146-65-2	Naphthalene-d8	152030	8.122				
15067-26-2	Acenaphthene-d10	87043	9.874				
1517-22-2	Phenanthrene-d10	159848	11.357				
1719-03-5	Chrysene-d12	92769	13.998				
1520-96-3	Perylene-d12	83463	15.462				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	IDW-S1-01	SDG No.:	BF080924
Lab Sample ID:	P3468-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138888.D	1	8/6/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	98.5	U	98.5	310	370	ug/Kg
110-86-1	Pyridine	90.7	U	90.7	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	94.1	U	94.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95	U	95	150	190	ug/Kg
95-57-8	2-Chlorophenol	94.8	U	94.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	96	U	96	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.6	U	97.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.2	U	98.2	150	190	ug/Kg
100-51-6	Benzyl Alcohol	94.2	U	94.2	310	370	ug/Kg
95-48-7	2-Methylphenol	91.5	U	91.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	98.6	U	98.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.6	U	90.6	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.7	U	45.7	90.8	90.8	ug/Kg
67-72-1	Hexachloroethane	94.2	U	94.2	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	96	U	96	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	97.4	U	97.4	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.7	U	85.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	96.9	U	96.9	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	370	ug/Kg
91-20-3	Naphthalene	93.8	U	93.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	93.8	U	93.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.5	U	94.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	IDW-S1-01	SDG No.:	BF080924
Lab Sample ID:	P3468-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
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
BF138888.D	1	8/6/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	98.5	U	98.5	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88	U	88	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	84	U	84	150	190	ug/Kg
92-52-4	1,1-Biphenyl	99.2	U	99.2	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	92.7	U	92.7	150	190	ug/Kg
208-96-8	Acenaphthylene	98.2	U	98.2	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.4	U	94.4	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	1508.3	U	1508.3	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	95.8	U	95.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	92.2	U	192.2	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.8	U	97.8	150	190	ug/Kg
84-66-2	Diethylphthalate	90.9	U	90.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.2	U	97.2	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	92.6	U	92.6	150	190	ug/Kg
103-33-3	Azobenzene	90.3	U	90.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.6	U	89.6	150	190	ug/Kg
118-74-1	Hexachlorobenzene	96.5	U	96.5	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	IDW-S1-01	SDG No.:	BF080924
Lab Sample ID:	P3468-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138888.D	1	8/6/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162520

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	95.8	U	95.8	150	190	ug/Kg
86-74-8	Carbazole	91.1	U	91.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.7	U	95.7	150	190	ug/Kg
206-44-0	Fluoranthene	92.7	U	92.7	150	190	ug/Kg
92-87-5	Benzidine	190	U	190	310	370	ug/Kg
129-00-0	Pyrene	94.2	U	94.2	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	91.6	U	91.6	150	190	ug/Kg
218-01-9	Chrysene	90.2	U	90.2	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	93.8	U	93.8	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	92.2	U	92.2	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.9	U	90.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.5	U	98.5	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	84.8	U	84.8	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	94.4	U	94.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.627		18-112		56	SPK: -150
13127-88-3	Phenol-d6	85.821		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	59.451		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	57.658		20-109		58	SPK: -100



Client:			Date Collected:	8/2/2024 12:00:00 AM	
Project:			Date Received:	8/2/2024 12:00:00 AM	
Client Sample ID:	IDW-S1-01		SDG No.:	BF080924	
Lab Sample ID:	P3468-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	12.1	
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
BF138888.D	1	8/6/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.916		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	63.689		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39776	6.84				
1146-65-2	Naphthalene-d8	160965	8.116				
15067-26-2	Acenaphthene-d10	93057	9.869				
1517-22-2	Phenanthrene-d10	178472	11.357				
1719-03-5	Chrysene-d12	110143	13.998				
1520-96-3	Perylene-d12	86334	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	A			5.057	
1000282-98-2	Dichloroacetic acid, heptadecyl es	180	J			13.857	

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-682-697	SDG No.:	BF080924
Lab Sample ID:	P3468-02	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
BF138889.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-682-697	SDG No.:	BF080924
Lab Sample ID:	P3468-02	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
BF138889.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-682-697	SDG No.:	BF080924
Lab Sample ID:	P3468-02	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
BF138889.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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	2.2	J	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	59.97		10-139		40	SPK: -150
13127-88-3	Phenol-d6	35.396		10-134		24	SPK: -150
4165-60-0	Nitrobenzene-d5	97.877		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	100.869		52-132		101	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-682-697	SDG No.:	BF080924
Lab Sample ID:	P3468-02	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
BF138889.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.134		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	130.661		36-145		131	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	41552	6.84				
1146-65-2	Naphthalene-d8	172621	8.116				
15067-26-2	Acenaphthene-d10	96013	9.869				
1517-22-2	Phenanthrene-d10	186307	11.357				
1719-03-5	Chrysene-d12	95544	13.998				
1520-96-3	Perylene-d12	84298	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	180	J			2.122	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.3	A			5.057	
000111-76-2	Ethanol, 2-butoxy-	3.3	J			5.787	
	unknown9.963	8.1	J			9.963	
1000309-70-7	Oxalic acid, cyclobutyl heptadecyl	3.3	J			12.445	
	unknown12.686	4.6	J			12.686	
041446-53-1	3-Tridecene, (Z)-	2.2	J			12.804	
1000163-04-7	Docosa-2,6,10,14,18-pentaen-22-al,	3.7	J			14.821	

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-513-528	SDG No.:	BF080924
Lab Sample ID:	P3469-01	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
BF138890.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-513-528	SDG No.:	BF080924
Lab Sample ID:	P3469-01	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
BF138890.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-513-528	SDG No.:	BF080924
Lab Sample ID:	P3469-01	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
BF138890.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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	59.868		10-139		40	SPK: -150
13127-88-3	Phenol-d6	36.237		10-134		24	SPK: -150
4165-60-0	Nitrobenzene-d5	94.779		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	93.352		52-132		93	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-513-528	SDG No.:	BF080924
Lab Sample ID:	P3469-01	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
BF138890.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.624		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	138.32		36-145		138	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47819	6.84				
1146-65-2	Naphthalene-d8	201810	8.116				
15067-26-2	Acenaphthene-d10	120465	9.869				
1517-22-2	Phenanthrene-d10	224761	11.357				
1719-03-5	Chrysene-d12	104422	13.998				
1520-96-3	Perylene-d12	88887	15.457				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	190	J			2.134	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.2	A			5.051	
000111-76-2	Ethanol, 2-butoxy-	54.3	J			5.798	
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	7.8	J			8.334	
000108-61-2	1-Propanol, 2,2-oxybis-	9.3	J			8.357	
000057-10-3	n-Hexadecanoic acid	3.6	J			11.886	
017043-02-6	1,6,11,16-Tetraoxacycloeicosane	3.7	J			12.445	
	unknown12.686	3.1	J			12.686	
000295-63-6	1,6,11-Trioxacyclopentadecane	2.4	J			14.074	
007683-64-9	Supraene	4.3	J			14.821	
064001-05-4	1,6,11,16,21,26-Hexaoxacyclotriaco	2.8	J			15.639	

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-625-640	SDG No.:	BF080924
Lab Sample ID:	P3469-02	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
BF138891.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-625-640	SDG No.:	BF080924
Lab Sample ID:	P3469-02	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
BF138891.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-625-640	SDG No.:	BF080924
Lab Sample ID:	P3469-02	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
BF138891.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

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	58.014		10-139		39	SPK: -150
13127-88-3	Phenol-d6	34.117		10-134		23	SPK: -150
4165-60-0	Nitrobenzene-d5	98.695		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	96.351		52-132		96	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	MLS-15-625-640	SDG No.:	BF080924
Lab Sample ID:	P3469-02	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
BF138891.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162489

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.846		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	131.929		36-145		132	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	42523	6.84				
1146-65-2	Naphthalene-d8	169905	8.116				
15067-26-2	Acenaphthene-d10	101362	9.869				
1517-22-2	Phenanthrene-d10	193075	11.357				
1719-03-5	Chrysene-d12	104220	13.998				
1520-96-3	Perylene-d12	82857	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	140	J			2.122	
001193-11-9	1,3-Dioxolane, 2,2,4-trimethyl-	4.6	J			2.922	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.1	A			5.057	
000111-76-2	Ethanol, 2-butoxy-	17.7	J			5.787	
000462-95-3	Methane, diethoxy-	2.8	J			8.34	
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	4.9	J			8.357	
000770-35-4	1-Phenoxypropan-2-ol	2.3	J			8.434	
	unknown9.963	24.1	J			9.963	
	unknown12.445	5.6	J			12.445	
	unknown12.686	3	J			12.686	
064001-05-4	1,6,11,16,21,26-Hexaoxacyclotriaco	2.4	J			14.075	
007683-64-9	Supraene	6.7	J			14.822	
056890-57-4	1,6,11,16,21-Pentaoxacyclopentacos	2.5	J			15.639	

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929	SDG No.:	BF080924
Lab Sample ID:	P3460-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.08	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
BF138892.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.7	U	54.7	170	210	ug/Kg
110-86-1	Pyridine	50.3	U	50.3	81.9	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	61	U	61	81.9	110	ug/Kg
108-95-2	Phenol	52.2	U	52.2	81.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.7	U	52.7	81.9	110	ug/Kg
95-57-8	2-Chlorophenol	52.6	U	52.6	81.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.3	U	53.3	81.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.2	U	54.2	81.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.5	U	54.5	81.9	110	ug/Kg
100-51-6	Benzyl Alcohol	52.3	U	52.3	170	210	ug/Kg
95-48-7	2-Methylphenol	50.8	U	50.8	81.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.3	U	57.3	81.9	110	ug/Kg
98-86-2	Acetophenone	54.7	U	54.7	81.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.3	U	50.3	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.4	U	25.4	50.4	50.4	ug/Kg
67-72-1	Hexachloroethane	52.3	U	52.3	81.9	110	ug/Kg
98-95-3	Nitrobenzene	57.2	U	57.2	81.9	110	ug/Kg
78-59-1	Isophorone	53.3	U	53.3	81.9	110	ug/Kg
88-75-5	2-Nitrophenol	59.5	U	59.5	81.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.7	U	58.7	81.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54	U	54	81.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.6	U	47.6	81.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.8	U	53.8	81.9	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52	U	52	81.9	110	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	81.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.5	U	52.5	81.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929	SDG No.:	BF080924
Lab Sample ID:	P3460-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.08	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
BF138892.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.7	U	54.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.8	U	48.8	81.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	52	U	52	81.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	98.3	U	98.3	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45	U	45	81.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.6	U	46.6	81.9	110	ug/Kg
92-52-4	1,1-Biphenyl	55.1	U	55.1	81.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.5	U	52.5	81.9	110	ug/Kg
88-74-4	2-Nitroaniline	59.8	U	59.8	81.9	110	ug/Kg
131-11-3	Dimethylphthalate	51.5	U	51.5	81.9	110	ug/Kg
208-96-8	Acenaphthylene	54.5	U	54.5	81.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.4	U	52.4	81.9	110	ug/Kg
99-09-2	3-Nitroaniline	56.2	U	56.2	81.9	110	ug/Kg
83-32-9	Acenaphthene	51.1	U	51.1	81.9	110	ug/Kg
Total PAH	Total PAH	834.8	U	834.8	81.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.1	U	73.1	170	210	ug/Kg
132-64-9	Dibenzofuran	53.2	U	53.2	81.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	106.7	U	106.7	81.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.3	U	54.3	81.9	110	ug/Kg
84-66-2	Diethylphthalate	50.5	U	50.5	81.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.9	U	53.9	81.9	110	ug/Kg
86-73-7	Fluorene	53.9	U	53.9	81.9	110	ug/Kg
100-01-6	4-Nitroaniline	67.4	U	67.4	81.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.7	U	73.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.4	U	51.4	81.9	110	ug/Kg
103-33-3	Azobenzene	50.1	U	50.1	81.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.7	U	49.7	81.9	110	ug/Kg
118-74-1	Hexachlorobenzene	53.5	U	53.5	81.9	110	ug/Kg
1912-24-9	Atrazine	57.6	U	57.6	81.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929	SDG No.:	BF080924
Lab Sample ID:	P3460-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.08	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
BF138892.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.7	U	48.7	170	210	ug/Kg
85-01-8	Phenanthrene	52.9	U	52.9	81.9	110	ug/Kg
120-12-7	Anthracene	53.2	U	53.2	81.9	110	ug/Kg
86-74-8	Carbazole	50.6	U	50.6	81.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.1	U	53.1	81.9	110	ug/Kg
206-44-0	Fluoranthene	51.5	U	51.5	81.9	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	52.3	U	52.3	81.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	61	U	61	81.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.1	U	62.1	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.8	U	50.8	81.9	110	ug/Kg
218-01-9	Chrysene	50.1	U	50.1	81.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.3	U	57.3	81.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69.3	U	69.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.1	U	51.1	81.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	81.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	58.6	U	58.6	81.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49.2	U	49.2	81.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.1	U	51.1	81.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50.5	U	50.5	81.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.7	U	54.7	81.9	110	ug/Kg
123-91-1	1,4-Dioxane	69.3	U	69.3	81.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.1	U	47.1	81.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.4	U	52.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103.059		18-112		69	SPK: -150
13127-88-3	Phenol-d6	103		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	71.012		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	76.301		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929	SDG No.:	BF080924
Lab Sample ID:	P3460-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.08	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
BF138892.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.217		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	82.822		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49218	6.84				
1146-65-2	Naphthalene-d8	204333	8.116				
15067-26-2	Acenaphthene-d10	110621	9.869				
1517-22-2	Phenanthrene-d10	170523	11.357				
1719-03-5	Chrysene-d12	84322	13.998				
1520-96-3	Perylene-d12	90882	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			2.14	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			5.069	
	unknown9.963	52.5	J			9.963	
000057-10-3	n-Hexadecanoic acid	100	J			11.886	
959010-23-2	Trifluoroacetic acid, pentadecyl e	160	J			13.851	
020548-62-3	Di-isononyl phthlate	71.2	J			14.486	
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	60.3	J			14.61	
1000315-52-0	Phthalic acid, 3,4-dichlorophenyl	60.9	J			14.657	
1000308-92-7	Phthalic acid, nonyl pentadecyl es	87.3	J			14.698	
	unknown14.745	170	J			14.745	
1000371-07-7	Phthalic acid, 5-methylhex-2-yl he	100	J			14.792	
1000314-84-2	Phthalic acid, nonyl 4-octyl ester	100	J			14.839	
	unknown14.880	100	J			14.88	
1000356-89-3	Phthalic acid, 2-ethylbutyl octyl	90.5	J			14.933	
000084-76-4	1,2-Benzenedicarboxylic acid, dino	56.9	J			14.974	
	unknown15.033	50	J			15.033	
	unknown15.074	60.9	J			15.074	
	unknown15.157	61.5	J			15.157	

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MS	SDG No.:	BF080924
Lab Sample ID:	P3460-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138893.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.7	170	210	ug/Kg
110-86-1	Pyridine	780		50.4	82	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	560		61.1	82	110	ug/Kg
108-95-2	Phenol	970		52.3	82	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	960		52.8	82	110	ug/Kg
95-57-8	2-Chlorophenol	1000		52.6	82	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		53.3	82	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	970		54.2	82	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	990		54.5	82	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		52.3	170	210	ug/Kg
95-48-7	2-Methylphenol	1000		50.8	82	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	960		57.3	82	110	ug/Kg
98-86-2	Acetophenone	990		54.8	82	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		50.3	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		25.4	50.4	50.4	ug/Kg
67-72-1	Hexachloroethane	1000		52.3	82	110	ug/Kg
98-95-3	Nitrobenzene	990		57.3	82	110	ug/Kg
78-59-1	Isophorone	1000		53.3	82	110	ug/Kg
88-75-5	2-Nitrophenol	1000		59.6	82	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		58.8	82	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		54.1	82	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		47.6	82	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		53.8	82	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	1000		52.1	82	110	ug/Kg
106-47-8	4-Chloroaniline	330		52.1	82	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		52.5	82	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MS	SDG No.:	BF080924
Lab Sample ID:	P3460-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138893.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	820		54.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		48.9	82	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		52	82	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	E	98.4	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		45	82	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		46.7	82	110	ug/Kg
92-52-4	1,1-Biphenyl	970		55.1	82	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		52.5	82	110	ug/Kg
88-74-4	2-Nitroaniline	1100		59.9	82	110	ug/Kg
131-11-3	Dimethylphthalate	1100		51.5	82	110	ug/Kg
208-96-8	Acenaphthylene	1100		54.5	82	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		52.5	82	110	ug/Kg
99-09-2	3-Nitroaniline	680		56.2	82	110	ug/Kg
83-32-9	Acenaphthene	970		51.1	82	110	ug/Kg
Total PAH	Total PAH	15720		835.3	82	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	540		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	1500		73.1	170	210	ug/Kg
132-64-9	Dibenzofuran	1000		53.2	82	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		54.4	82	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		106.9	82	220	ug/Kg
84-66-2	Diethylphthalate	1100		50.5	82	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		54	82	110	ug/Kg
86-73-7	Fluorene	1000		53.9	82	110	ug/Kg
100-01-6	4-Nitroaniline	930		67.5	82	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	650		73.8	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		51.5	82	110	ug/Kg
103-33-3	Azobenzene	990		50.2	82	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		49.7	82	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		53.6	82	110	ug/Kg
1912-24-9	Atrazine	1400		57.6	82	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MS	SDG No.:	BF080924
Lab Sample ID:	P3460-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138893.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000		48.7	170	210	ug/Kg
85-01-8	Phenanthrene	1100		53	82	110	ug/Kg
120-12-7	Anthracene	1100		53.2	82	110	ug/Kg
86-74-8	Carbazole	1000		50.6	82	110	ug/Kg
84-74-2	Di-n-butylphthalate	1300		53.2	82	110	ug/Kg
206-44-0	Fluoranthene	950		51.5	82	110	ug/Kg
92-87-5	Benzidine	740		100	170	210	ug/Kg
129-00-0	Pyrene	850		52.3	82	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		61	82	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		62.2	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1100		50.9	82	110	ug/Kg
218-01-9	Chrysene	1100		50.1	82	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		57.4	82	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		69.4	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		51.1	82	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		52.1	82	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		58.6	82	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	720		49.2	82	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	720		51.2	82	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	610		50.5	82	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		54.7	82	110	ug/Kg
123-91-1	1,4-Dioxane	720		69.4	82	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	830		47.1	82	110	ug/Kg
90-12-0	1-Methylnaphthalene	950		52.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.509		18-112		60	SPK: -150
13127-88-3	Phenol-d6	88.956		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	63.236		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	67.398		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MS	SDG No.:	BF080924
Lab Sample ID:	P3460-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138893.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	82.978		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	65.881		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52692	6.839				
1146-65-2	Naphthalene-d8	210319	8.122				
15067-26-2	Acenaphthene-d10	110454	9.875				
1517-22-2	Phenanthrene-d10	150028	11.363				
1719-03-5	Chrysene-d12	83246	14.004				
1520-96-3	Perylene-d12	83769	15.462				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MSD	SDG No.:	BF080924
Lab Sample ID:	P3460-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138894.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		54.7	170	210	ug/Kg
110-86-1	Pyridine	860		50.3	81.9	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	610		61.1	81.9	110	ug/Kg
108-95-2	Phenol	1000		52.2	81.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		52.7	81.9	110	ug/Kg
95-57-8	2-Chlorophenol	1100		52.6	81.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		53.3	81.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		54.2	81.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		54.5	81.9	110	ug/Kg
100-51-6	Benzyl Alcohol	1200		52.3	170	210	ug/Kg
95-48-7	2-Methylphenol	1100		50.8	81.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		57.3	81.9	110	ug/Kg
98-86-2	Acetophenone	1000		54.8	81.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		50.3	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		25.4	50.4	50.4	ug/Kg
67-72-1	Hexachloroethane	1100		52.3	81.9	110	ug/Kg
98-95-3	Nitrobenzene	1000		57.2	81.9	110	ug/Kg
78-59-1	Isophorone	1100		53.3	81.9	110	ug/Kg
88-75-5	2-Nitrophenol	1100		59.6	81.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		58.7	81.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		54.1	81.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		47.6	81.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		53.8	81.9	110	ug/Kg
65-85-0	Benzoic acid	230		150	170	210	ug/Kg
91-20-3	Naphthalene	1000		52.1	81.9	110	ug/Kg
106-47-8	4-Chloroaniline	390		52.1	81.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		52.5	81.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MSD	SDG No.:	BF080924
Lab Sample ID:	P3460-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138894.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	930		54.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		48.8	81.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		52	81.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	E	98.3	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		45	81.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		46.6	81.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		55.1	81.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		52.5	81.9	110	ug/Kg
88-74-4	2-Nitroaniline	1200		59.9	81.9	110	ug/Kg
131-11-3	Dimethylphthalate	1200		51.5	81.9	110	ug/Kg
208-96-8	Acenaphthylene	1200		54.5	81.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		52.4	81.9	110	ug/Kg
99-09-2	3-Nitroaniline	750		56.2	81.9	110	ug/Kg
83-32-9	Acenaphthene	1000		51.1	81.9	110	ug/Kg
Total PAH	Total PAH	16600		835.2	81.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	660		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	1700		73.1	170	210	ug/Kg
132-64-9	Dibenzofuran	1100		53.2	81.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		54.3	81.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		106.7	81.9	220	ug/Kg
84-66-2	Diethylphthalate	1200		50.5	81.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		53.9	81.9	110	ug/Kg
86-73-7	Fluorene	1100		53.9	81.9	110	ug/Kg
100-01-6	4-Nitroaniline	990		67.4	81.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	720		73.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		51.4	81.9	110	ug/Kg
103-33-3	Azobenzene	1100		50.2	81.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		49.7	81.9	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		53.6	81.9	110	ug/Kg
1912-24-9	Atrazine	1500		57.6	81.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MSD	SDG No.:	BF080924
Lab Sample ID:	P3460-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138894.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1200		48.7	170	210	ug/Kg
85-01-8	Phenanthrene	1100		52.9	81.9	110	ug/Kg
120-12-7	Anthracene	1200		53.2	81.9	110	ug/Kg
86-74-8	Carbazole	1100		50.6	81.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	1400		53.1	81.9	110	ug/Kg
206-44-0	Fluoranthene	1000		51.5	81.9	110	ug/Kg
92-87-5	Benzidine	860		100	170	210	ug/Kg
129-00-0	Pyrene	880		52.3	81.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		61	81.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	880		62.1	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1100		50.9	81.9	110	ug/Kg
218-01-9	Chrysene	1100		50.1	81.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		57.3	81.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		69.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		51.1	81.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		52.1	81.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		58.6	81.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	790		49.2	81.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	770		51.2	81.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	660		50.5	81.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		54.7	81.9	110	ug/Kg
123-91-1	1,4-Dioxane	820		69.3	81.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		47.1	81.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	1000		52.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.614		18-112		65	SPK: -150
13127-88-3	Phenol-d6	94.748		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	65.72		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	71.954		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	72-11929MSD	SDG No.:	BF080924
Lab Sample ID:	P3460-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138894.D	1	8/5/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.668		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	67.74		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44718	6.84				
1146-65-2	Naphthalene-d8	183325	8.122				
15067-26-2	Acenaphthene-d10	94560	9.875				
1517-22-2	Phenanthrene-d10	134163	11.363				
1719-03-5	Chrysene-d12	78755	14.004				
1520-96-3	Perylene-d12	74009	15.463				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	EO-03-080724	SDG No.:	BF080924
Lab Sample ID:	P3507-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138895.D	5	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	880	1100	ug/Kg
110-86-1	Pyridine	260	U	260	420	550	ug/Kg
100-52-7	Benzaldehyde	590	U	590	880	1100	ug/Kg
62-53-3	Aniline	320	U	320	420	550	ug/Kg
108-95-2	Phenol	270	U	270	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	420	550	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	420	550	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	880	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	420	550	ug/Kg
98-86-2	Acetophenone	280	U	280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	880	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	420	550	ug/Kg
98-95-3	Nitrobenzene	300	U	300	420	550	ug/Kg
78-59-1	Isophorone	280	U	280	420	550	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	420	550	ug/Kg
65-85-0	Benzoic acid	770	U	770	880	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	420	550	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	EO-03-080724	SDG No.:	BF080924
Lab Sample ID:	P3507-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138895.D	5	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	280	U	280	880	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	420	550	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	510	880	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	420	550	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	550	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	420	550	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	420	550	ug/Kg
208-96-8	Acenaphthylene	290	J	280	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	420	550	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	420	550	ug/Kg
83-32-9	Acenaphthene	290	J	260	420	550	ug/Kg
Total PAH	Total PAH	23230		4300	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	790	U	790	880	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	880	1100	ug/Kg
132-64-9	Dibenzofuran	280	U	280	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	420	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	420	550	ug/Kg
84-66-2	Diethylphthalate	260	U	260	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	420	550	ug/Kg
86-73-7	Fluorene	660		280	420	550	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	880	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	420	550	ug/Kg
103-33-3	Azobenzene	260	U	260	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	420	550	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	420	550	ug/Kg
1912-24-9	Atrazine	300	U	300	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	EO-03-080724	SDG No.:	BF080924
Lab Sample ID:	P3507-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138895.D	5	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	880	1100	ug/Kg
85-01-8	Phenanthrene	3500		270	420	550	ug/Kg
120-12-7	Anthracene	910		280	420	550	ug/Kg
86-74-8	Carbazole	360	J	260	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	420	550	ug/Kg
206-44-0	Fluoranthene	4100		270	420	550	ug/Kg
92-87-5	Benzidine	530	U	530	880	1100	ug/Kg
129-00-0	Pyrene	2900		270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	880	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2100		260	420	550	ug/Kg
218-01-9	Chrysene	1600		260	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	880	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2500		260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	760		270	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	2000		300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770		250	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		260	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	550	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.07		18-112		56	SPK: -150
13127-88-3	Phenol-d6	82.48		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	62.16		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	72.44		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	EO-03-080724	SDG No.:	BF080924
Lab Sample ID:	P3507-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138895.D	5	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	55.73		10-110		37	SPK: -150
1718-51-0	Terphenyl-d14	62.735		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45503	6.84				
1146-65-2	Naphthalene-d8	172482	8.122				
15067-26-2	Acenaphthene-d10	79210	9.875				
1517-22-2	Phenanthrene-d10	111885	11.357				
1719-03-5	Chrysene-d12	79329	13.998				
1520-96-3	Perylene-d12	63214	15.462				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	700	J			8.704	
003891-98-3	Dodecane, 2,6,10-trimethyl-	620	J			9.128	
000629-59-4	Tetradecane	1800	J			9.263	
000582-16-1	Naphthalene, 2,7-dimethyl-	1200	J			9.528	
1000383-25-6	Carbonic acid, nonyl vinyl ester	1200	J			9.581	
000629-62-9	Pentadecane	2000	J			9.792	
000544-76-3	Hexadecane	2500	J			10.292	
000593-49-7	Heptacosane	1200	J			10.51	
000629-78-7	Heptadecane	3600	J			10.769	
001730-37-6	9H-Fluorene, 1-methyl-	580	J			10.963	
000593-45-3	Octadecane	2200	J			11.216	
000132-65-0	Dibenzothiophene	1000	J			11.245	
000112-39-0	Hexadecanoic acid, methyl ester	7500	J			11.745	
000057-10-3	n-Hexadecanoic acid	2900	J			11.892	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1500	J			11.969	
000629-94-7	Heneicosane	1300	J			12.045	
002462-84-2	9-Octadecenoic acid, methyl ester	33400	J			12.457	
000057-11-4	Octadecanoic acid	2200	J			12.669	
027421-70-1	3-(Dimethylamino)propyl isothiocy	2500	J			14.874	

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	EO-03-080724	SDG No.:	BF080924
Lab Sample ID:	P3507-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138895.D	5	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	1400	J			15.339	

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724	SDG No.:	BF080924
Lab Sample ID:	P3509-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138896.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.6	U	63.6	200	240	ug/Kg
110-86-1	Pyridine	58.5	U	58.5	95.2	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	71	U	71	95.2	120	ug/Kg
108-95-2	Phenol	60.7	U	60.7	95.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.3	U	61.3	95.2	120	ug/Kg
95-57-8	2-Chlorophenol	61.2	U	61.2	95.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	62	U	62	95.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63	U	63	95.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	63.4	U	63.4	95.2	120	ug/Kg
100-51-6	Benzyl Alcohol	60.8	U	60.8	200	240	ug/Kg
95-48-7	2-Methylphenol	59	U	59	95.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.6	U	66.6	95.2	120	ug/Kg
98-86-2	Acetophenone	63.7	U	63.7	95.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	58.5	U	58.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.5	U	29.5	58.6	58.6	ug/Kg
67-72-1	Hexachloroethane	60.8	U	60.8	95.2	120	ug/Kg
98-95-3	Nitrobenzene	66.5	U	66.5	95.2	120	ug/Kg
78-59-1	Isophorone	62	U	62	95.2	120	ug/Kg
88-75-5	2-Nitrophenol	69.2	U	69.2	95.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.3	U	68.3	95.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.8	U	62.8	95.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.3	U	55.3	95.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.6	U	62.6	95.2	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	60.5	U	60.5	95.2	120	ug/Kg
106-47-8	4-Chloroaniline	60.5	U	60.5	95.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	61	U	61	95.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724	SDG No.:	BF080924
Lab Sample ID:	P3509-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.07 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
BF138896.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	63.6	U	63.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.8	U	56.8	95.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	60.4	U	60.4	95.2	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.3	U	52.3	95.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.2	U	54.2	95.2	120	ug/Kg
92-52-4	1,1-Biphenyl	64	U	64	95.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	61	U	61	95.2	120	ug/Kg
88-74-4	2-Nitroaniline	69.6	U	69.6	95.2	120	ug/Kg
131-11-3	Dimethylphthalate	59.8	U	59.8	95.2	120	ug/Kg
208-96-8	Acenaphthylene	63.4	U	63.4	95.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.9	U	60.9	95.2	120	ug/Kg
99-09-2	3-Nitroaniline	65.3	U	65.3	95.2	120	ug/Kg
83-32-9	Acenaphthene	59.4	U	59.4	95.2	120	ug/Kg
Total PAH	Total PAH	970.5	U	970.5	95.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	85	U	85	200	240	ug/Kg
132-64-9	Dibenzofuran	61.8	U	61.8	95.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.1	U	63.1	95.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	124	U	124	95.2	240	ug/Kg
84-66-2	Diethylphthalate	58.7	U	58.7	95.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.7	U	62.7	95.2	120	ug/Kg
86-73-7	Fluorene	62.6	U	62.6	95.2	120	ug/Kg
100-01-6	4-Nitroaniline	78.4	U	78.4	95.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.7	U	85.7	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.8	U	59.8	95.2	120	ug/Kg
103-33-3	Azobenzene	58.3	U	58.3	95.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57.8	U	57.8	95.2	120	ug/Kg
118-74-1	Hexachlorobenzene	62.3	U	62.3	95.2	120	ug/Kg
1912-24-9	Atrazine	66.9	U	66.9	95.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724	SDG No.:	BF080924
Lab Sample ID:	P3509-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.07 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
BF138896.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	56.6	U	56.6	200	240	ug/Kg
85-01-8	Phenanthrene	160		61.5	95.2	120	ug/Kg
120-12-7	Anthracene	61.8	U	61.8	95.2	120	ug/Kg
86-74-8	Carbazole	58.8	U	58.8	95.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.7	U	61.7	95.2	120	ug/Kg
206-44-0	Fluoranthene	200		59.8	95.2	120	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	130		60.8	95.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.9	U	70.9	95.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	72.2	U	72.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	85.7	J	59.1	95.2	120	ug/Kg
218-01-9	Chrysene	72.6	J	58.2	95.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.7	U	66.7	95.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80.6	U	80.6	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	95.9	J	59.4	95.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.5	U	60.5	95.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	81.7	J	68.1	95.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57.2	U	57.2	95.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.5	U	59.5	95.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.7	U	58.7	95.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.6	U	63.6	95.2	120	ug/Kg
123-91-1	1,4-Dioxane	80.6	U	80.6	95.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.7	U	54.7	95.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	60.9	U	60.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.132		18-112		72	SPK: -150
13127-88-3	Phenol-d6	107.024		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	76.595		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	80.328		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724	SDG No.:	BF080924
Lab Sample ID:	P3509-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.07 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
BF138896.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.383		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	64.735		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43663	6.839				
1146-65-2	Naphthalene-d8	164507	8.122				
15067-26-2	Acenaphthene-d10	77670	9.875				
1517-22-2	Phenanthrene-d10	109197	11.357				
1719-03-5	Chrysene-d12	81740	13.998				
1520-96-3	Perylene-d12	64065	15.462				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J			2.146	
004254-14-2	R-(-)-1,2-propanediol	55.7	J			3.404	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A			5.069	
000770-35-4	1-Phenoxypropan-2-ol	75.9	J			8.433	
	unknown9.963	64	J			9.963	
000203-64-5	4H-Cyclopenta[def]phenanthrene	49.6	J			11.969	
025276-70-4	1-Pentadecanethiol	91.6	J			13.845	

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MS	SDG No.:	BF080924
Lab Sample ID:	P3509-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138897.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		63.6	200	240	ug/Kg
110-86-1	Pyridine	960		58.6	95.3	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	450		71	95.3	120	ug/Kg
108-95-2	Phenol	1100		60.8	95.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		61.3	95.3	120	ug/Kg
95-57-8	2-Chlorophenol	1200		61.2	95.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		62	95.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		63	95.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		63.4	95.3	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		60.8	200	240	ug/Kg
95-48-7	2-Methylphenol	1100		59.1	95.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		66.6	95.3	120	ug/Kg
98-86-2	Acetophenone	1200		63.7	95.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	1200		58.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		29.5	58.6	58.6	ug/Kg
67-72-1	Hexachloroethane	1100		60.8	95.3	120	ug/Kg
98-95-3	Nitrobenzene	1200		66.5	95.3	120	ug/Kg
78-59-1	Isophorone	1200		62	95.3	120	ug/Kg
88-75-5	2-Nitrophenol	1200		69.3	95.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		68.3	95.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		62.9	95.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		55.3	95.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		62.6	95.3	120	ug/Kg
65-85-0	Benzoic acid	250		170	200	240	ug/Kg
91-20-3	Naphthalene	1200		60.5	95.3	120	ug/Kg
106-47-8	4-Chloroaniline	250		60.5	95.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	1200		61.1	95.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MS	SDG No.:	BF080924
Lab Sample ID:	P3509-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138897.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	960		63.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		56.8	95.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	1200		60.5	95.3	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100		110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		52.3	95.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		54.2	95.3	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		64.1	95.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	1200		61.1	95.3	120	ug/Kg
88-74-4	2-Nitroaniline	1300		69.6	95.3	120	ug/Kg
131-11-3	Dimethylphthalate	1400		59.9	95.3	120	ug/Kg
208-96-8	Acenaphthylene	1300		63.4	95.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		61	95.3	120	ug/Kg
99-09-2	3-Nitroaniline	680		65.4	95.3	120	ug/Kg
83-32-9	Acenaphthene	1200		59.4	95.3	120	ug/Kg
Total PAH	Total PAH	19460		971.1	95.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	310		180	200	240	ug/Kg
100-02-7	4-Nitrophenol	1800		85	200	240	ug/Kg
132-64-9	Dibenzofuran	1200		61.9	95.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400		124.2	95.3	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		63.2	95.3	120	ug/Kg
84-66-2	Diethylphthalate	1400		58.7	95.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		62.7	95.3	120	ug/Kg
86-73-7	Fluorene	1200		62.7	95.3	120	ug/Kg
100-01-6	4-Nitroaniline	950		78.4	95.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	440		85.8	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		59.8	95.3	120	ug/Kg
103-33-3	Azobenzene	1200		58.3	95.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		57.8	95.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		62.3	95.3	120	ug/Kg
1912-24-9	Atrazine	1600		67	95.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MS	SDG No.:	BF080924
Lab Sample ID:	P3509-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138897.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1500		56.7	200	240	ug/Kg
85-01-8	Phenanthrene	1400		61.6	95.3	120	ug/Kg
120-12-7	Anthracene	1300		61.9	95.3	120	ug/Kg
86-74-8	Carbazole	1300		58.9	95.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	1600		61.8	95.3	120	ug/Kg
206-44-0	Fluoranthene	1500		59.9	95.3	120	ug/Kg
92-87-5	Benzidine	1300		120	200	240	ug/Kg
129-00-0	Pyrene	1100		60.8	95.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		70.9	95.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		72.3	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1300		59.1	95.3	120	ug/Kg
218-01-9	Chrysene	1300		58.3	95.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		66.7	95.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		80.6	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		59.4	95.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		60.5	95.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	1300		68.2	95.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		57.2	95.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	920		59.5	95.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	810		58.7	95.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		63.6	95.3	120	ug/Kg
123-91-1	1,4-Dioxane	880		80.6	95.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		54.7	95.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	1100		61	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.168		18-112		70	SPK: -150
13127-88-3	Phenol-d6	103.052		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	72.8		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	76.255		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MS	SDG No.:	BF080924
Lab Sample ID:	P3509-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138897.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.501		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	64.677		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46594	6.839				
1146-65-2	Naphthalene-d8	178229	8.122				
15067-26-2	Acenaphthene-d10	82494	9.874				
1517-22-2	Phenanthrene-d10	109336	11.363				
1719-03-5	Chrysene-d12	76572	14.004				
1520-96-3	Perylene-d12	59251	15.462				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MSD	SDG No.:	BF080924
Lab Sample ID:	P3509-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138898.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		63.6	200	240	ug/Kg
110-86-1	Pyridine	1000		58.5	95.2	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	510		71	95.2	120	ug/Kg
108-95-2	Phenol	1200		60.7	95.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		61.3	95.2	120	ug/Kg
95-57-8	2-Chlorophenol	1300		61.2	95.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		62	95.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		63	95.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		63.4	95.2	120	ug/Kg
100-51-6	Benzyl Alcohol	1300		60.8	200	240	ug/Kg
95-48-7	2-Methylphenol	1200		59	95.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		66.6	95.2	120	ug/Kg
98-86-2	Acetophenone	1200		63.7	95.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	1300		58.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		29.5	58.6	58.6	ug/Kg
67-72-1	Hexachloroethane	1200		60.8	95.2	120	ug/Kg
98-95-3	Nitrobenzene	1200		66.5	95.2	120	ug/Kg
78-59-1	Isophorone	1200		62	95.2	120	ug/Kg
88-75-5	2-Nitrophenol	1200		69.2	95.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		68.3	95.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		62.9	95.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		55.3	95.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		62.6	95.2	120	ug/Kg
65-85-0	Benzoic acid	270		170	200	240	ug/Kg
91-20-3	Naphthalene	1200		60.5	95.2	120	ug/Kg
106-47-8	4-Chloroaniline	330		60.5	95.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	1200		61	95.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MSD	SDG No.:	BF080924
Lab Sample ID:	P3509-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138898.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		63.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		56.8	95.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	1200		60.4	95.2	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100		110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		52.3	95.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		54.2	95.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1300		64	95.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	1300		61	95.2	120	ug/Kg
88-74-4	2-Nitroaniline	1400		69.6	95.2	120	ug/Kg
131-11-3	Dimethylphthalate	1400		59.9	95.2	120	ug/Kg
208-96-8	Acenaphthylene	1400		63.4	95.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		61	95.2	120	ug/Kg
99-09-2	3-Nitroaniline	730		65.3	95.2	120	ug/Kg
Total PAH	Total PAH	20570		970.6	95.2	1920	ug/Kg
83-32-9	Acenaphthene	1300		59.4	95.2	120	ug/Kg
51-28-5	2,4-Dinitrophenol	340		180	200	240	ug/Kg
100-02-7	4-Nitrophenol	1900		85	200	240	ug/Kg
132-64-9	Dibenzofuran	1300		61.8	95.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		124.2	95.2	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		63.2	95.2	120	ug/Kg
84-66-2	Diethylphthalate	1400		58.7	95.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		62.7	95.2	120	ug/Kg
86-73-7	Fluorene	1200		62.6	95.2	120	ug/Kg
100-01-6	4-Nitroaniline	1000		78.4	95.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	450		85.7	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		59.8	95.2	120	ug/Kg
103-33-3	Azobenzene	1200		58.3	95.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		57.8	95.2	120	ug/Kg
118-74-1	Hexachlorobenzene	1300		62.3	95.2	120	ug/Kg
1912-24-9	Atrazine	1700		67	95.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MSD	SDG No.:	BF080924
Lab Sample ID:	P3509-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138898.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1600		56.6	200	240	ug/Kg
85-01-8	Phenanthrene	1400		61.5	95.2	120	ug/Kg
120-12-7	Anthracene	1400		61.8	95.2	120	ug/Kg
86-74-8	Carbazole	1300		58.8	95.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1600		61.8	95.2	120	ug/Kg
206-44-0	Fluoranthene	1500		59.9	95.2	120	ug/Kg
92-87-5	Benzidine	1500		120	200	240	ug/Kg
129-00-0	Pyrene	1200		60.8	95.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	1500		70.9	95.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		72.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1400		59.1	95.2	120	ug/Kg
218-01-9	Chrysene	1400		58.2	95.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		66.7	95.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		80.6	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		59.4	95.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		60.5	95.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1400		68.1	95.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		57.2	95.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	970		59.5	95.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	900		58.7	95.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		63.6	95.2	120	ug/Kg
123-91-1	1,4-Dioxane	960		80.6	95.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		54.7	95.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	1100		61	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114.965		18-112		77	SPK: -150
13127-88-3	Phenol-d6	112.351		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	75.355		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	80.819		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OR-02-080724MSD	SDG No.:	BF080924
Lab Sample ID:	P3509-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138898.D	1	8/8/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.084		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	70.773		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	41882	6.84				
1146-65-2	Naphthalene-d8	167151	8.122				
15067-26-2	Acenaphthene-d10	76034	9.875				
1517-22-2	Phenanthrene-d10	104468	11.363				
1719-03-5	Chrysene-d12	71094	14.004				
1520-96-3	Perylene-d12	55254	15.463				

Report of Analysis

Client:		Date Collected:	7/29/2024 12:00:00 AM
Project:		Date Received:	7/29/2024 12:00:00 AM
Client Sample ID:	B-105-SB02	SDG No.:	BF080924
Lab Sample ID:	P3394-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF138899.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	94.1	U	94.1	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	97.6	U	97.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	98.5	U	98.5	150	200	ug/Kg
95-57-8	2-Chlorophenol	98.3	U	98.3	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	99.6	U	99.6	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	97.7	U	97.7	320	390	ug/Kg
95-48-7	2-Methylphenol	94.9	U	94.9	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	93.9	U	93.9	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	94.2	94.2	ug/Kg
67-72-1	Hexachloroethane	97.7	U	97.7	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	99.6	U	99.6	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	88.9	U	88.9	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	97.2	U	97.2	150	200	ug/Kg
106-47-8	4-Chloroaniline	97.2	U	97.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.1	U	98.1	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/29/2024 12:00:00 AM
Project:		Date Received:	7/29/2024 12:00:00 AM
Client Sample ID:	B-105-SB02	SDG No.:	BF080924
Lab Sample ID:	P3394-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF138899.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.2	U	91.2	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	97.1	U	97.1	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84	U	84	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.1	U	87.1	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	98.1	U	98.1	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	96.2	U	96.2	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.9	U	97.9	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	95.5	U	95.5	150	200	ug/Kg
Total PAH	Total PAH	1557.9	U	1557.9	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	99.3	U	99.3	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	97.9	U	197.9	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
84-66-2	Diethylphthalate	94.3	U	94.3	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	96.1	U	96.1	150	200	ug/Kg
103-33-3	Azobenzene	93.7	U	93.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	92.9	U	92.9	150	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/29/2024 12:00:00 AM
Project:		Date Received:	7/29/2024 12:00:00 AM
Client Sample ID:	B-105-SB02	SDG No.:	BF080924
Lab Sample ID:	P3394-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF138899.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91	U	91	320	390	ug/Kg
85-01-8	Phenanthrene	98.9	U	98.9	150	200	ug/Kg
120-12-7	Anthracene	99.3	U	99.3	150	200	ug/Kg
86-74-8	Carbazole	94.5	U	94.5	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	99.2	U	99.2	150	200	ug/Kg
206-44-0	Fluoranthene	96.2	U	96.2	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	97.7	U	97.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	95	U	95	150	200	ug/Kg
218-01-9	Chrysene	93.6	U	93.6	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	95.5	U	95.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	97.2	U	97.2	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	91.9	U	91.9	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	95.6	U	95.6	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	94.3	U	94.3	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	87.9	U	87.9	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	97.9	U	97.9	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.034		18-112		77	SPK: -150
13127-88-3	Phenol-d6	112.936		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	85.525		18-107		86	SPK: -100
321-60-8	2-Fluorobiphenyl	96.537		20-109		97	SPK: -100

Report of Analysis

Client:		Date Collected:	7/29/2024 12:00:00 AM
Project:		Date Received:	7/29/2024 12:00:00 AM
Client Sample ID:	B-105-SB02	SDG No.:	BF080924
Lab Sample ID:	P3394-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF138899.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	98.685		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	78.938		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40485	6.84				
1146-65-2	Naphthalene-d8	153492	8.122				
15067-26-2	Acenaphthene-d10	67868	9.875				
1517-22-2	Phenanthrene-d10	100252	11.357				
1719-03-5	Chrysene-d12	75202	13.998				
1520-96-3	Perylene-d12	57156	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2600	J			2.122	
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	280	J			7.604	
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	400	J			7.628	
000767-58-8	Indan, 1-methyl-	320	J			7.787	
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	470	J			7.857	
000629-59-4	Tetradecane	700	J			9.263	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	490	J			9.581	
000629-62-9	Pentadecane	950	J			9.792	
000134-62-3	Diethyltoluamide	530	J			10.251	
000544-76-3	Hexadecane	550	J			10.292	
000593-49-7	Heptacosane	270	J			10.51	
000629-78-7	Heptadecane	900	J			10.769	
000593-45-3	Octadecane	650	J			11.216	
000629-92-5	Nonadecane	600	J			11.639	
000057-10-3	n-Hexadecanoic acid	400	J			11.886	
000629-94-7	Heneicosane	510	J			12.045	
000112-95-8	Eicosane	410	J			12.433	
000057-11-4	Octadecanoic acid	300	J			12.669	
000646-31-1	Tetracosane	480	J			12.804	

Report of Analysis

Client:		Date Collected:	7/29/2024 12:00:00 AM
Project:		Date Received:	7/29/2024 12:00:00 AM
Client Sample ID:	B-105-SB02	SDG No.:	BF080924
Lab Sample ID:	P3394-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF138899.D	1	7/30/2024 12:00:00 AM	8/9/2024 12:00:00 AM	PB162358

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1000406-04-8	Pentadecafluorooctanoic acid, octa	540	J			13.833	

Hit Summary Sheet SW-846

SDG No.: BF080924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-105-SB02								
P3394-02	B-105-SB02	Solid	Benzene, 1,2,3,5-tetramethyl-	*	400.000	J		
P3394-02	B-105-SB02	Solid	Benzene, 1,2,4,5-tetramethyl-	*	280.000	J		
P3394-02	B-105-SB02	Solid	Benzene, 1-methyl-2-(2-propenyl)	*	470.000	J		
P3394-02	B-105-SB02	Solid	Butane, 2-methoxy-2-methyl-	*	2,600.000	J		
P3394-02	B-105-SB02	Solid	Diethyltoluamide	*	530.000	J		
P3394-02	B-105-SB02	Solid	Eicosane	*	410.000	J		
P3394-02	B-105-SB02	Solid	Heneicosane	*	510.000	J		
P3394-02	B-105-SB02	Solid	Heptacosane	*	270.000	J		
P3394-02	B-105-SB02	Solid	Heptadecane	*	900.000	J		
P3394-02	B-105-SB02	Solid	Heptadecane, 2,6,10,15-tetramethy	*	490.000	J		
P3394-02	B-105-SB02	Solid	Hexadecane	*	550.000	J		
P3394-02	B-105-SB02	Solid	Indan, 1-methyl-	*	320.000	J		
P3394-02	B-105-SB02	Solid	n-Hexadecanoic acid	*	400.000	J		
P3394-02	B-105-SB02	Solid	Nonadecane	*	600.000	J		
P3394-02	B-105-SB02	Solid	Octadecane	*	650.000	J		
P3394-02	B-105-SB02	Solid	Octadecanoic acid	*	300.000	J		
P3394-02	B-105-SB02	Solid	Pentadecafluorooctanoic acid, oct	*	540.000	J		
P3394-02	B-105-SB02	Solid	Pentadecane	*	950.000	J		
P3394-02	B-105-SB02	Solid	Tetracosane	*	480.000	J		
P3394-02	B-105-SB02	Solid	Tetradecane	*	700.000	J		
Total Tics :					12,350.00			
Total Concentration:					12,350.00			
Client ID : 72-11929								
P3460-01	72-11929	Solid	1,2-Benzenedicarboxylic acid, din	*	56.900	J		
P3460-01	72-11929	Solid	1,3-Benzenedicarboxylic acid, bis	*	60.300	J		
P3460-01	72-11929	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A		
P3460-01	72-11929	Solid	Butane, 2-methoxy-2-methyl-	*	1,300.000	J		
P3460-01	72-11929	Solid	Di-isononyl phthlate	*	71.200	J		
P3460-01	72-11929	Solid	n-Hexadecanoic acid	*	100.000	J		
P3460-01	72-11929	Solid	Phthalic acid, 2-ethylbutyl octyl	*	90.500	J		
P3460-01	72-11929	Solid	Phthalic acid, 3,4-dichlorophenyl	*	60.900	J		
P3460-01	72-11929	Solid	Phthalic acid, 5-methylhex-2-yl he	*	100.000	J		
P3460-01	72-11929	Solid	Phthalic acid, nonyl 4-octyl ester	*	100.000	J		
P3460-01	72-11929	Solid	Phthalic acid, nonyl pentadecyl es	*	87.300	J		
P3460-01	72-11929	Solid	Trifluoroacetic acid, pentadecyl e	*	160.000	J		
P3460-01	72-11929	Solid	unknown14.745	*	170.000	J		
P3460-01	72-11929	Solid	unknown14.880	*	100.000	J		

Hit Summary Sheet

SW-846

SDG No.: BF080924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3460-01	72-11929	Solid	unknown15.033	*	50.000	J		
P3460-01	72-11929	Solid	unknown15.074	*	60.900	J		
P3460-01	72-11929	Solid	unknown15.157	*	61.500	J		
P3460-01	72-11929	Solid	unknown9.963	*	52.500	J		
Total Tics :					2,832.00			
Total Concentration:					2,832.00			
Client ID : IDW-S1-01								
P3468-01	IDW-S1-01	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	A		
P3468-01	IDW-S1-01	Solid	Dichloroacetic acid, heptadecyl es	*	180.000	J		
Total Tics :					400.00			
Total Concentration:					400.00			
Client ID : MLS-15-682-697								
P3468-02	MLS-15-682-697	Water	2-Pentanone, 4-hydroxy-4-methyl	*	3.300	A		
P3468-02	MLS-15-682-697	Water	3-Tridecene, (Z)-	*	2.200	J		
P3468-02	MLS-15-682-697	Water	Butane, 2-methoxy-2-methyl-	*	180.000	J		
P3468-02	MLS-15-682-697	Water	Docosa-2,6,10,14,18-pentaen-22-ic	*	3.700	J		
P3468-02	MLS-15-682-697	Water	Ethanol, 2-butoxy-	*	3.300	J		
P3468-02	MLS-15-682-697	Water	Oxalic acid, cyclobutyl heptadecyl	*	3.300	J		
P3468-02	MLS-15-682-697	Water	unknown12.686	*	4.600	J		
P3468-02	MLS-15-682-697	Water	unknown9.963	*	8.100	J		
Total Tics :					208.50			
P3468-02	MLS-15-682-697	Water	Bis(2-ethylhexyl)phthalate		2.200	J	1.9	5 ug/L
Total Svoc :					2.20			
Total Concentration:					210.70			
Client ID : MLS-15-513-528								
P3469-01	MLS-15-513-528	Water	1,6,11,16,21,26-Hexaoxacyclotria	*	2.800	J		
P3469-01	MLS-15-513-528	Water	1,6,11,16-Tetraoxacycloeicosane	*	3.700	J		
P3469-01	MLS-15-513-528	Water	1,6,11-Trioxacyclopentadecane	*	2.400	J		
P3469-01	MLS-15-513-528	Water	1-Propanol, 2,2-oxybis-	*	9.300	J		
P3469-01	MLS-15-513-528	Water	2-Pentanone, 4-hydroxy-4-methyl	*	4.200	A		
P3469-01	MLS-15-513-528	Water	2-Propanol, 1-(2-butoxy-1-methyl	*	7.800	J		
P3469-01	MLS-15-513-528	Water	Butane, 2-methoxy-2-methyl-	*	190.000	J		
P3469-01	MLS-15-513-528	Water	Ethanol, 2-butoxy-	*	54.300	J		
P3469-01	MLS-15-513-528	Water	n-Hexadecanoic acid	*	3.600	J		
P3469-01	MLS-15-513-528	Water	Supraene	*	4.300	J		
P3469-01	MLS-15-513-528	Water	unknown12.686	*	3.100	J		
Total Tics :					285.50			
Total Concentration:					285.50			
Client ID : MLS-15-625-640								

Hit Summary Sheet SW-846

SDG No.: BF080924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3469-02	MLS-15-625-640	Water	1,3-Dioxolane, 2,2,4-trimethyl-	*	4.600	J		
P3469-02	MLS-15-625-640	Water	1,6,11,16,21,26-Hexaoxacyclotria	*	2.400	J		
P3469-02	MLS-15-625-640	Water	1,6,11,16,21-Pentaoxacyclopentac	*	2.500	J		
P3469-02	MLS-15-625-640	Water	1-Phenoxypropan-2-ol	*	2.300	J		
P3469-02	MLS-15-625-640	Water	2-Pentanone, 4-hydroxy-4-methyl	*	3.100	A		
P3469-02	MLS-15-625-640	Water	2-Propanol, 1-(2-butoxy-1-methyl	*	4.900	J		
P3469-02	MLS-15-625-640	Water	Butane, 2-methoxy-2-methyl-	*	140.000	J		
P3469-02	MLS-15-625-640	Water	Ethanol, 2-butoxy-	*	17.700	J		
P3469-02	MLS-15-625-640	Water	Methane, diethoxy-	*	2.800	J		
P3469-02	MLS-15-625-640	Water	Supraene	*	6.700	J		
P3469-02	MLS-15-625-640	Water	unknown12.445	*	5.600	J		
P3469-02	MLS-15-625-640	Water	unknown12.686	*	3.000	J		
P3469-02	MLS-15-625-640	Water	unknown9.963	*	24.100	J		

Total Tics : 219.70

Total Concentration: 219.70

Client ID : EO-03-080724

P3507-01	EO-03-080724	Solid	3-(Dimethylamino)propyl isothioc	*	2,500.000	J		
P3507-01	EO-03-080724	Solid	4H-Cyclopenta[def]phenanthrene	*	1,500.000	J		
P3507-01	EO-03-080724	Solid	9-Octadecenoic acid, methyl ester	*	33,400.000	J		
P3507-01	EO-03-080724	Solid	9H-Fluorene, 1-methyl-	*	580.000	J		
P3507-01	EO-03-080724	Solid	Benzo[e]pyrene	*	1,400.000	J		
P3507-01	EO-03-080724	Solid	Carbonic acid, nonyl vinyl ester	*	1,200.000	J		
P3507-01	EO-03-080724	Solid	Dibenzothiophene	*	1,000.000	J		
P3507-01	EO-03-080724	Solid	Dodecane, 2,6,10-trimethyl-	*	620.000	J		
P3507-01	EO-03-080724	Solid	Heneicosane	*	1,300.000	J		
P3507-01	EO-03-080724	Solid	Heptacosane	*	1,200.000	J		
P3507-01	EO-03-080724	Solid	Heptadecane	*	3,600.000	J		
P3507-01	EO-03-080724	Solid	Hexadecane	*	2,500.000	J		
P3507-01	EO-03-080724	Solid	Hexadecanoic acid, methyl ester	*	7,500.000	J		
P3507-01	EO-03-080724	Solid	n-Hexadecanoic acid	*	2,900.000	J		
P3507-01	EO-03-080724	Solid	Naphthalene, 2,7-dimethyl-	*	1,200.000	J		
P3507-01	EO-03-080724	Solid	Octadecane	*	2,200.000	J		
P3507-01	EO-03-080724	Solid	Octadecanoic acid	*	2,200.000	J		
P3507-01	EO-03-080724	Solid	Pentadecane	*	2,000.000	J		
P3507-01	EO-03-080724	Solid	Tetradecane	*	1,800.000	J		
P3507-01	EO-03-080724	Solid	Tridecane	*	700.000	J		
Total Tics :					71,300.00			
P3507-01	EO-03-080724	Solid	Acenaphthene		290.000	J	260	550 ug/Kg
P3507-01	EO-03-080724	Solid	Acenaphthylene		290.000	J	280	550 ug/Kg
P3507-01	EO-03-080724	Solid	Anthracene		910.000		280	550 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF080924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3507-01	EO-03-080724	Solid	Benzo(a)anthracene	2,100.000		260	550	ug/Kg
P3507-01	EO-03-080724	Solid	Benzo(a)pyrene	2,000.000		300	550	ug/Kg
P3507-01	EO-03-080724	Solid	Benzo(b)fluoranthene	2,500.000		260	550	ug/Kg
P3507-01	EO-03-080724	Solid	Benzo(g,h,i)perylene	850.000		260	550	ug/Kg
P3507-01	EO-03-080724	Solid	Benzo(k)fluoranthene	760.000		270	550	ug/Kg
P3507-01	EO-03-080724	Solid	Carbazole	360.000	J	260	550	ug/Kg
P3507-01	EO-03-080724	Solid	Chrysene	1,600.000		260	550	ug/Kg
P3507-01	EO-03-080724	Solid	Fluoranthene	4,100.000		270	550	ug/Kg
P3507-01	EO-03-080724	Solid	Fluorene	660.000		280	550	ug/Kg
P3507-01	EO-03-080724	Solid	Indeno(1,2,3-cd)pyrene	770.000		250	550	ug/Kg
P3507-01	EO-03-080724	Solid	Phenanthrene	3,500.000		270	550	ug/Kg
P3507-01	EO-03-080724	Solid	Pyrene	2,900.000		270	550	ug/Kg
P3507-01	EO-03-080724	Solid	Total PAH	23,230.000		4300	8800	ug/Kg

Total Svoc : 46,820.00

Total Concentration: 118,120.00

Client ID : OR-02-080724

P3509-01	OR-02-080724	Solid	1-Pentadecanethiol	*	91.600	J		
P3509-01	OR-02-080724	Solid	1-Phenoxypropan-2-ol	*	75.900	J		
P3509-01	OR-02-080724	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	A		
P3509-01	OR-02-080724	Solid	4H-Cyclopenta[def]phenanthrene	*	49.600	J		
P3509-01	OR-02-080724	Solid	Butane, 2-methoxy-2-methyl-	*	1,800.000	J		
P3509-01	OR-02-080724	Solid	R-(-)-1,2-propanediol	*	55.700	J		
P3509-01	OR-02-080724	Solid	unknown9.963	*	64.000	J		

Total Tics : 2,406.80

P3509-01	OR-02-080724	Solid	Benzo(a)anthracene		85.700	J	59.1	120	ug/Kg
P3509-01	OR-02-080724	Solid	Benzo(a)pyrene		81.700	J	68.1	120	ug/Kg
P3509-01	OR-02-080724	Solid	Benzo(b)fluoranthene		95.900	J	59.4	120	ug/Kg
P3509-01	OR-02-080724	Solid	Chrysene		72.600	J	58.2	120	ug/Kg
P3509-01	OR-02-080724	Solid	Fluoranthene		200.000		59.8	120	ug/Kg
P3509-01	OR-02-080724	Solid	Phenanthrene		160.000		61.5	120	ug/Kg
P3509-01	OR-02-080724	Solid	Pyrene		130.000		60.8	120	ug/Kg

Total Svoc : 825.90

Total Concentration: 3,232.70



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG No.: BF073024
Instrument ID: _____ Calibration Date(s): 7/30/2024 : _____
Calibration Time(s): 12:54 _____

LAB FILE ID:		RRF2.5 = BF138680.D			RRF005 = BF138681.D		RRF010 = BF138682.D	
		RRF020 = BF138683.D			RRF040 = BF138684.D		RRF050 = BF138685.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.813	0.817	0.829	0.814	0.804	0.818	1.9
Pyridine		1.373	1.365	1.453	1.381	1.380	1.374	3.1
2-Fluorophenol		1.404	1.367	1.341	1.274	1.244	1.296	6.0
Benzaldehyde		1.230	1.119	1.099	0.904	0.862	1.043	14.8
Aniline		1.656	1.626	1.704	1.532	1.487	1.551	7.5
Phenol-d6		1.938	1.816	1.828	1.681	1.654	1.740	7.2
Phenol		2.012	1.946	1.913	1.775	1.739	1.832	6.9
bis(2-Chloroethyl)ether		1.494	1.476	1.434	1.363	1.348	1.409	4.5
2-Chlorophenol		1.471	1.418	1.443	1.325	1.308	1.363	5.9
1,2-Dichlorobenzene		1.621	1.511	1.532	1.408	1.358	1.439	8.2
1,3-Dichlorobenzene		1.687	1.609	1.608	1.475	1.445	1.526	7.1
1,4-Dichlorobenzene		1.689	1.615	1.620	1.496	1.482	1.540	6.6
Benzyl Alcohol		1.326	1.287	1.334	1.218	1.213	1.254	5.3
2-Methylphenol		1.192	1.154	1.183	1.103	1.072	1.126	4.9
2,2-oxybis(1-Chloropropane)		2.695	2.576	2.592	2.350	2.311	2.426	8.2
Acetophenone		0.538	0.510	0.508	0.482	0.457	0.490	6.1
3+4-Methylphenols		1.661	1.554	1.558	1.367	1.328	1.444	10.0
n-Nitroso-di-n-propylamine	1.109	1.130	1.087	1.123	0.992	0.970	1.051	6.6
Nitrobenzene-d5		0.426	0.416	0.424	0.407	0.393	0.409	3.3
Hexachloroethane		0.619	0.614	0.598	0.568	0.554	0.580	5.3
Nitrobenzene		0.431	0.423	0.433	0.417	0.400	0.416	3.3
Isophorone		0.735	0.710	0.735	0.681	0.655	0.699	4.3
2-Nitrophenol		0.169	0.176	0.188	0.184	0.175	0.179	3.7
2,4-Dimethylphenol		0.219	0.217	0.221	0.214	0.207	0.214	2.6
bis(2-Chloroethoxy)methane		0.448	0.433	0.449	0.418	0.402	0.425	4.3
2,4-Dichlorophenol		0.279	0.276	0.293	0.276	0.264	0.275	3.6
1,2,4-Trichlorobenzene		0.344	0.324	0.329	0.316	0.304	0.318	5.0
Benzoic acid			0.136	0.158	0.166	0.166	0.168	12.7
Naphthalene		1.124	1.102	1.110	1.044	1.000	1.053	5.6
4-Chloroaniline		0.354	0.363	0.369	0.346	0.337	0.353	3.1
Hexachlorobutadiene		0.205	0.197	0.200	0.190	0.187	0.192	4.4
Caprolactam		0.078	0.084	0.088	0.078	0.076	0.082	5.6
4-Chloro-3-methylphenol		0.326	0.319	0.343	0.307	0.290	0.315	5.4
2-Methylnaphthalene		0.723	0.699	0.709	0.649	0.619	0.665	6.7
Hexachlorocyclopentadiene			0.064	0.101	0.127	0.138	0.120	27.1
2,4,6-Trichlorophenol		0.338	0.338	0.353	0.336	0.330	0.339	2.1

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.: BF073024 SAS No.: BF073024 SDG No.: BF073024
Instrument ID: _____ Calibration Date(s): 7/30/2024 : _____
Calibration Time(s): 12:54 : _____

LAB FILE ID:		RRF2.5 = BF138680.D		RRF005 = BF138681.D		RRF010 = BF138682.D		
		RRF020 = BF138683.D		RRF040 = BF138684.D		RRF050 = BF138685.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.512	1.424	1.402	1.306	1.260	1.331	9.0
2,4,5-Trichlorophenol		0.368	0.379	0.387	0.368	0.361	0.370	2.6
1,1-Biphenyl		1.714	1.635	1.630	1.539	1.507	1.566	6.1
2-Chloronaphthalene		1.263	1.206	1.213	1.151	1.119	1.165	5.5
2-Nitroaniline		0.394	0.403	0.414	0.389	0.380	0.395	2.7
Dimethylphthalate		1.336	1.297	1.367	1.229	1.208	1.279	4.6
Acenaphthylene		1.796	1.744	1.743	1.637	1.573	1.652	6.8
2,6-Dinitrotoluene		0.286	0.288	0.304	0.288	0.277	0.289	3.6
3-Nitroaniline		0.308	0.300	0.317	0.288	0.286	0.298	4.1
Acenaphthene		1.217	1.173	1.169	1.082	1.049	1.111	6.8
2,4-Dinitrophenol			0.097	0.142	0.127	0.131	0.133	14.8
4-Nitrophenol			0.156	0.186	0.175	0.176	0.179	7.9
Dibenzofuran		1.729	1.680	1.666	1.515	1.484	1.568	7.8
2,4-Dinitrotoluene		0.377	0.376	0.402	0.362	0.342	0.368	5.4
Diethylphthalate		1.268	1.259	1.321	1.155	1.113	1.213	6.2
4-Chlorophenyl-phenylether		0.662	0.664	0.662	0.589	0.580	0.614	7.7
Fluorene		1.374	1.326	1.351	1.206	1.166	1.249	8.0
4-Nitroaniline		0.284	0.292	0.313	0.272	0.265	0.284	6.0
4,6-Dinitro-2-methylphenol			0.107	0.123	0.125	0.123	0.122	6.4
n-Nitrosodiphenylamine		0.642	0.645	0.645	0.631	0.606	0.625	3.3
Azobenzene		1.427	1.391	1.450	1.300	1.259	1.345	5.9
2,4,6-Tribromophenol		0.168	0.164	0.176	0.159	0.156	0.164	4.2
4-Bromophenyl-phenylether		0.227	0.219	0.226	0.217	0.211	0.217	3.8
Hexachlorobenzene		0.231	0.231	0.234	0.220	0.214	0.224	3.7
Atrazine		0.171	0.172	0.176	0.162	0.153	0.161	7.8
Pentachlorophenol			0.077	0.097	0.102	0.104	0.101	12.9
Phenanthrene		1.112	1.109	1.087	1.021	0.970	1.030	7.0
Anthracene		1.082	1.077	1.078	1.003	0.965	1.015	6.3
Carbazole		0.970	0.938	0.940	0.870	0.810	0.875	8.6
Di-n-butylphthalate		0.991	0.990	1.040	0.991	0.944	0.984	3.4
Fluoranthene		1.068	1.045	1.039	0.965	0.899	0.961	9.7
Benzidine		0.491	0.482	0.484	0.535	0.470	0.478	8.6
Pyrene		1.978	1.958	2.140	1.750	1.694	1.883	8.6
Terphenyl-d14		1.264	1.265	1.362	1.106	1.072	1.195	9.3
Butylbenzylphthalate		0.577	0.571	0.605	0.628	0.622	0.603	3.7
3,3-Dichlorobenzidine		0.388	0.364	0.377	0.360	0.346	0.352	8.0

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.: BF073024 SAS No.: BF073024 SDG No.: BF073024
Instrument ID: _____ Calibration Date(s): 7/30/2024 : _____
Calibration Time(s): 12:54 _____

LAB FILE ID:		RRF2.5 = BF138680.D			RRF005 = BF138681.D		RRF010 = BF138682.D	
		RRF020 = BF138683.D			RRF040 = BF138684.D		RRF050 = BF138685.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.438	1.410	1.395	1.351	1.377	3.5
Chrysene		1.342	1.228	1.260	1.222	1.203	1.243	3.8
Bis(2-ethylhexyl)phthalate		0.876	0.838	0.861	0.948	0.945	0.883	5.1
Di-n-octyl phthalate		1.637	1.524	1.614	1.744	1.742	1.634	5.1
Benzo(b)fluoranthene		1.287	1.361	1.287	1.229	1.181	1.240	6.2
Benzo(k)fluoranthene		1.202	1.043	1.098	1.002	1.060	1.073	6.8
Benzo(a)pyrene		1.084	1.047	1.071	1.023	1.026	1.043	2.5
Indeno(1,2,3-cd)pyrene		1.469	1.464	1.517	1.395	1.406	1.433	3.5
Dibenzo(a,h)anthracene		1.226	1.231	1.253	1.134	1.140	1.177	4.9
Benzo(g,h,i)perylene		1.261	1.234	1.289	1.199	1.196	1.221	3.5
1,2,4,5-Tetrachlorobenzene		0.606	0.560	0.581	0.550	0.542	0.556	5.5
1,4-Dioxane		0.597	0.555	0.581	0.576	0.557	0.567	3.2
2,3,4,6-Tetrachlorophenol		0.270	0.279	0.297	0.274	0.280	0.283	4.0
1-Methylnaphthalene		0.713	0.685	0.692	0.636	0.606	0.652	6.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 10:19

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	72528	6.845	281315	8.13	146962	9.88
	UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
	LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
	EPA SAMPLE NO.						
01	PB162421BL	53191	6.84	228290	8.12	132774	9.87
02	PB162358BL	43125	6.84	181651	8.12	110150	9.88
03	PB162358BS	55939	6.84	235563	8.12	134838	9.88
04	PB162423BL	40879	6.84	169292	8.12	101270	9.88
05	PB162423BS	54661	6.84	239610	8.12	137458	9.88
06	PB162489BL	40127	6.84	165520	8.12	99849	9.88
07	PB162489BS	55937	6.84	237308	8.12	135700	9.88
08	TOPSOIL	36821	6.84	152030	8.12	87043	9.87
09	IDW-S1-01	39776	6.84	160965	8.12	93057	9.87
10	MLS-15-682-697	41552	6.84	172621	8.12	96013	9.87
11	MLS-15-513-528	47819	6.84	201810	8.12	120465	9.87
12	MLS-15-625-640	42523	6.84	169905	8.12	101362	9.87
13	72-11929	49218	6.84	204333	8.12	110621	9.87
14	72-11929MS	52692	6.84	210319	8.12	110454	9.88
15	72-11929MSD	44718	6.84	183325	8.12	94560	9.88
16	EO-03-080724	45503	6.84	172482	8.12	79210	9.88
17	OR-02-080724	43663	6.84	164507	8.12	77670	9.88
18	OR-02-080724MS	46594	6.84	178229	8.12	82494	9.87
19	OR-02-080724MSD	41882	6.84	167151	8.12	76034	9.88
20	B-105-SB02	40485	6.84	153492	8.12	67868 *	9.88

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 20:36

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	72528	6.845	281315	8.13	146962	9.88
UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
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.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDCCC040

Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138879.D

Time Analyzed: 10:19

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	65310	6.845	265298	8.13	151080	9.88
	UPPER LIMIT	130620	7.345	530596	8.628	302160	10.38
	LOWER LIMIT	32655	6.345	132649	7.628	75540	9.38
	EPA SAMPLE NO.						
01	PB162421BL	53191	6.84	228290	8.12	132774	9.87
02	PB162358BL	43125	6.84	181651	8.12	110150	9.88
03	PB162358BS	55939	6.84	235563	8.12	134838	9.88
04	PB162423BL	40879	6.84	169292	8.12	101270	9.88
05	PB162423BS	54661	6.84	239610	8.12	137458	9.88
06	PB162489BL	40127	6.84	165520	8.12	99849	9.88
07	PB162489BS	55937	6.84	237308	8.12	135700	9.88
08	TOPSOIL	36821	6.84	152030	8.12	87043	9.87
09	IDW-S1-01	39776	6.84	160965	8.12	93057	9.87
10	MLS-15-682-697	41552	6.84	172621	8.12	96013	9.87
11	MLS-15-513-528	47819	6.84	201810	8.12	120465	9.87
12	MLS-15-625-640	42523	6.84	169905	8.12	101362	9.87
13	72-11929	49218	6.84	204333	8.12	110621	9.87
14	72-11929MS	52692	6.84	210319	8.12	110454	9.88
15	72-11929MSD	44718	6.84	183325	8.12	94560	9.88
16	EO-03-080724	45503	6.84	172482	8.12	79210	9.88
17	OR-02-080724	43663	6.84	164507	8.12	77670	9.88
18	OR-02-080724MS	46594	6.84	178229	8.12	82494	9.87
19	OR-02-080724MSD	41882	6.84	167151	8.12	76034	9.88
20	B-105-SB02	40485	6.84	153492	8.12	67868 *	9.88

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138879.D Time Analyzed: 20:36

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	65310	6.845	265298	8.13	151080	9.88
UPPER LIMIT	130620	7.345	530596	8.628	302160	10.38
LOWER LIMIT	32655	6.345	132649	7.628	75540	9.38
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.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 10:19

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	227513	11.369	125928	14.004	151531	15.468
	UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
	LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
	EPA SAMPLE NO.						
01	PB162421BL	250338	11.36	153257	14.00	107984	15.46
02	PB162358BL	210869	11.36	130997	14.00	89677	15.46
03	PB162358BS	234224	11.36	112592	14.00	98223	15.46
04	PB162423BL	195894	11.36	116610	14.00	79046	15.46
05	PB162423BS	237762	11.36	114847	14.00	99135	15.46
06	PB162489BL	189104	11.36	112088	14.00	75976	15.47
07	PB162489BS	232367	11.36	113862	14.00	96864	15.46
08	TOPSOIL	159848	11.36	92769	14.00	83463	15.46
09	IDW-S1-01	178472	11.36	110143	14.00	86334	15.46
10	MLS-15-682-697	186307	11.36	95544	14.00	84298	15.46
11	MLS-15-513-528	224761	11.36	104422	14.00	88887	15.46
12	MLS-15-625-640	193075	11.36	104220	14.00	82857	15.46
13	72-11929	170523	11.36	84322	14.00	90882	15.46
14	72-11929MS	150028	11.36	83246	14.00	83769	15.46
15	72-11929MSD	134163	11.36	78755	14.00	74009 *	15.46
16	EO-03-080724	111885 *	11.36	79329	14.00	63214 *	15.46
17	OR-02-080724	109197 *	11.36	81740	14.00	64065 *	15.46
18	OR-02-080724MS	109336 *	11.36	76572	14.00	59251 *	15.46
19	OR-02-080724MSD	104468 *	11.36	71094	14.00	55254 *	15.46
20	B-105-SB02	100252 *	11.36	75202	14.00	57156 *	15.46

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 20:36

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	227513	11.369	125928	14.004	151531	15.468
UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
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.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138879.D Time Analyzed: 10:19

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	254940	11.363	120643	14.004	111360	15.462
	UPPER LIMIT	509880	11.863	241286	14.504	222720	15.962
	LOWER LIMIT	127470	10.863	60321.5	13.504	55680	14.962
	EPA SAMPLE NO.						
01	PB162421BL	250338	11.36	153257	14.00	107984	15.46
02	PB162358BL	210869	11.36	130997	14.00	89677	15.46
03	PB162358BS	234224	11.36	112592	14.00	98223	15.46
04	PB162423BL	195894	11.36	116610	14.00	79046	15.46
05	PB162423BS	237762	11.36	114847	14.00	99135	15.46
06	PB162489BL	189104	11.36	112088	14.00	75976	15.47
07	PB162489BS	232367	11.36	113862	14.00	96864	15.46
08	TOPSOIL	159848	11.36	92769	14.00	83463	15.46
09	IDW-S1-01	178472	11.36	110143	14.00	86334	15.46
10	MLS-15-682-697	186307	11.36	95544	14.00	84298	15.46
11	MLS-15-513-528	224761	11.36	104422	14.00	88887	15.46
12	MLS-15-625-640	193075	11.36	104220	14.00	82857	15.46
13	72-11929	170523	11.36	84322	14.00	90882	15.46
14	72-11929MS	150028	11.36	83246	14.00	83769	15.46
15	72-11929MSD	134163	11.36	78755	14.00	74009	15.46
16	EO-03-080724	111885 *	11.36	79329	14.00	63214	15.46
17	OR-02-080724	109197 *	11.36	81740	14.00	64065	15.46
18	OR-02-080724MS	109336 *	11.36	76572	14.00	59251	15.46
19	OR-02-080724MSD	104468 *	11.36	71094	14.00	55254 *	15.46
20	B-105-SB02	100252 *	11.36	75202	14.00	57156	15.46

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080924 SAS No.: BF080924 SDG NO.: BF080924

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BF138879.D Time Analyzed: 20:36

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	254940	11.363	120643	14.004	111360	15.462
UPPER LIMIT	509880	11.863	241286	14.504	222720	15.962
LOWER LIMIT	127470	10.863	60321.5	13.504	55680	14.962
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.: **BF080924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162358BS	n-Nitrosodimethylamine	1700	1700	ug/Kg	100				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	1300	ug/Kg	76				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1100	ug/Kg	65				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	900	ug/Kg	53				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3500	ug/Kg	106				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25400	ug/Kg	93				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF080924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162358BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3300	ug/Kg	97				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1800	ug/Kg	106				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1900	ug/Kg	112		*		58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	430	ug/Kg	13				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				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	980	ug/Kg	58				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF080924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162423BS	n-Nitrosodimethylamine	50	51	ug/L	102				55	108	
	Pyridine	50	33.5	ug/L	67				29	97	
	Benzaldehyde	50	40	ug/L	80				15	121	
	Aniline	50	34.7	ug/L	69				10	130	
	Phenol	50	48.2	ug/L	96				66	118	
	bis(2-Chloroethyl)ether	50	45.8	ug/L	92				62	103	
	2-Chlorophenol	50	50.9	ug/L	102				70	117	
	1,2-Dichlorobenzene	50	47.1	ug/L	94				72	102	
	1,3-Dichlorobenzene	50	45	ug/L	90				71	103	
	1,4-Dichlorobenzene	50	45.6	ug/L	91				76	103	
	Benzyl Alcohol	50	52.8	ug/L	106		*		36	93	
	2-Methylphenol	50	48.8	ug/L	98				69	109	
	2,2-oxybis(1-Chloropropane)	50	44.1	ug/L	88				52	103	
	Acetophenone	50	43.6	ug/L	87				60	104	
	3+4-Methylphenols	50	51	ug/L	102				67	106	
	N-Nitroso-di-n-propylamine	50	51.7	ug/L	103				57	107	
	Hexachloroethane	50	46	ug/L	92				76	118	
	Nitrobenzene	50	43.2	ug/L	86				58	106	
	Isophorone	50	45.8	ug/L	92				61	102	
	2-Nitrophenol	50	46.6	ug/L	93				70	115	
	2,4-Dimethylphenol	50	50.6	ug/L	101				67	130	
	bis(2-Chloroethoxy)methane	50	44.7	ug/L	89				58	109	
	2,4-Dichlorophenol	50	47.7	ug/L	95				66	115	
	1,2,4-Trichlorobenzene	50	44.1	ug/L	88				41	115	
	Benzoic acid	50	36.8	ug/L	74				10	125	
	Naphthalene	50	44.7	ug/L	89				64	107	
	4-Chloroaniline	50	23.1	ug/L	46				10	85	
	Hexachlorobutadiene	50	44.4	ug/L	89				69	101	
	Caprolactam	50	43.7	ug/L	87				58	128	
	4-Chloro-3-methylphenol	50	48.5	ug/L	97				65	114	
	2-Methylnaphthalene	50	47.5	ug/L	95				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	45.6	ug/L	91				61	110	
	2,4,5-Trichlorophenol	50	44.7	ug/L	89				70	106	
	1,1-Biphenyl	50	41.4	ug/L	83				72	98	
	2-Chloronaphthalene	50	43.7	ug/L	87				59	106	
	2-Nitroaniline	50	46.6	ug/L	93				58	107	
	Dimethylphthalate	50	48.8	ug/L	98				64	103	
	Acenaphthylene	50	48.8	ug/L	98				65	108	
	2,6-Dinitrotoluene	50	45.7	ug/L	91				64	110	
	3-Nitroaniline	50	30	ug/L	60				28	100	
	Acenaphthene	50	44.3	ug/L	89				59	113	
	Total PAH	800	761.7	ug/L	95				59	113	
	2,4-Dinitrophenol	100	93.9	ug/L	94				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF080924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162423BS	4-Nitrophenol	100	79.6	ug/L	80				68	116	
	Dibenzofuran	50	47.1	ug/L	94				65	106	
	2,4-Dinitrotoluene	50	49.2	ug/L	98				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	94.9	ug/L	95				60	115	
	Diethylphthalate	50	50.9	ug/L	102				63	105	
	4-Chlorophenyl-phenylether	50	48	ug/L	96				61	104	
	Fluorene	50	47.6	ug/L	95				64	107	
	4-Nitroaniline	50	42.6	ug/L	85				69	112	
	4,6-Dinitro-2-methylphenol	50	47.6	ug/L	95				62	132	
	N-Nitrosodiphenylamine	50	47.1	ug/L	94				61	109	
	Azobenzene	50	47.7	ug/L	95				59	106	
	4-Bromophenyl-phenylether	50	45.1	ug/L	90				73	103	
	Hexachlorobenzene	50	45.2	ug/L	90				73	106	
	Atrazine	50	54.8	ug/L	110				76	120	
	Pentachlorophenol	100	79.7	ug/L	80				47	114	
	Phenanthrene	50	46.8	ug/L	94				62	109	
	Anthracene	50	48.3	ug/L	97				65	110	
	Carbazole	50	46.3	ug/L	93				62	106	
	Di-n-butylphthalate	50	55.6	ug/L	111		*		64	106	
	Fluoranthene	50	48.3	ug/L	97				64	110	
	Benzidine	100	13	ug/L	13				10	94	
	Pyrene	50	50.3	ug/L	101				71	103	
	Butylbenzylphthalate	50	57.3	ug/L	115		*		61	105	
	3,3-Dichlorobenzidine	50	33.1	ug/L	66				43	108	
	Benzo(a)anthracene	50	46.8	ug/L	94				62	107	
	Chrysene	50	47.5	ug/L	95				61	108	
	bis(2-Ethylhexyl)phthalate	50	45.6	ug/L	91				59	110	
	Di-n-octyl phthalate	50	38.5	ug/L	77				67	126	
	Benzo(b)fluoranthene	50	48.2	ug/L	96				77	113	
	Benzo(k)fluoranthene	50	53.2	ug/L	106				64	113	
	Benzo(a)pyrene	50	52.4	ug/L	105				72	131	
	Indeno(1,2,3-cd)pyrene	50	46.7	ug/L	93				72	105	
	Dibenz(a,h)anthracene	50	46.2	ug/L	92				78	115	
	Benzo(g,h,i)perylene	50	41.6	ug/L	83				75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.9	ug/L	84				72	101	
	1,4-Dioxane	50	30.1	ug/L	60				38	125	
	2,3,4,6-Tetrachlorophenol	50	50.6	ug/L	101				63	116	
	1-Methylnaphthalene	50	44	ug/L	88				51	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF080924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB162489BS	n-Nitrosodimethylamine	50	50.8	ug/L	102					55	108	
	Pyridine	50	32.5	ug/L	65					29	97	
	Benzaldehyde	50	38.9	ug/L	78					15	121	
	Aniline	50	33.1	ug/L	66					10	130	
	Phenol	50	47.5	ug/L	95					66	118	
	bis(2-Chloroethyl)ether	50	44.1	ug/L	88					62	103	
	2-Chlorophenol	50	48.6	ug/L	97					70	117	
	1,2-Dichlorobenzene	50	46.1	ug/L	92					72	102	
	1,3-Dichlorobenzene	50	43.4	ug/L	87					71	103	
	1,4-Dichlorobenzene	50	44.6	ug/L	89					76	103	
	Benzyl Alcohol	50	51	ug/L	102		*			36	93	
	2-Methylphenol	50	47.4	ug/L	95					69	109	
	2,2-oxybis(1-Chloropropane)	50	43.5	ug/L	87					52	103	
	Acetophenone	50	44.2	ug/L	88					60	104	
	3+4-Methylphenols	50	49.8	ug/L	100					67	106	
	N-Nitroso-di-n-propylamine	50	49.1	ug/L	98					57	107	
	Hexachloroethane	50	45.5	ug/L	91					76	118	
	Nitrobenzene	50	43.6	ug/L	87					58	106	
	Isophorone	50	46.3	ug/L	93					61	102	
	2-Nitrophenol	50	46.3	ug/L	93					70	115	
	2,4-Dimethylphenol	50	50.1	ug/L	100					67	130	
	bis(2-Chloroethoxy)methane	50	44.2	ug/L	88					58	109	
	2,4-Dichlorophenol	50	48.8	ug/L	98					66	115	
	1,2,4-Trichlorobenzene	50	44.8	ug/L	90					41	115	
	Benzoic acid	50	36.1	ug/L	72					10	125	
	Naphthalene	50	44.3	ug/L	89					64	107	
	4-Chloroaniline	50	21	ug/L	42					10	85	
	Hexachlorobutadiene	50	44.1	ug/L	88					69	101	
	Caprolactam	50	41.5	ug/L	83					58	128	
	4-Chloro-3-methylphenol	50	48.5	ug/L	97					65	114	
	2-Methylnaphthalene	50	46.5	ug/L	93					64	107	
	Hexachlorocyclopentadiene	100	100	ug/L	100					36	160	
	2,4,6-Trichlorophenol	50	45.6	ug/L	91					61	110	
	2,4,5-Trichlorophenol	50	44.2	ug/L	88					70	106	
	1,1-Biphenyl	50	41.3	ug/L	83					72	98	
	2-Chloronaphthalene	50	44.1	ug/L	88					59	106	
	2-Nitroaniline	50	46.6	ug/L	93					58	107	
	Dimethylphthalate	50	48.5	ug/L	97					64	103	
	Acenaphthylene	50	48.4	ug/L	97					65	108	
	2,6-Dinitrotoluene	50	45.9	ug/L	92					64	110	
	3-Nitroaniline	50	29.8	ug/L	60					28	100	
	Acenaphthene	50	43.5	ug/L	87					59	113	
	Total PAH	800	769.1	ug/L	96					59	113	
	2,4-Dinitrophenol	100	91.3	ug/L	91					64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF080924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162489BS	4-Nitrophenol	100	77.7	ug/L	78				68	116	
	Dibenzofuran	50	46.4	ug/L	93				65	106	
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	94.6	ug/L	95				60	115	
	2,4-Dinitrotoluene	50	48.7	ug/L	97				60	115	
	Diethylphthalate	50	50.9	ug/L	102				63	105	
	4-Chlorophenyl-phenylether	50	47.4	ug/L	95				61	104	
	Fluorene	50	47.8	ug/L	96				64	107	
	4-Nitroaniline	50	42.8	ug/L	86				69	112	
	4,6-Dinitro-2-methylphenol	50	48.5	ug/L	97				62	132	
	N-Nitrosodiphenylamine	50	47	ug/L	94				61	109	
	Azobenzene	50	47.6	ug/L	95				59	106	
	4-Bromophenyl-phenylether	50	47	ug/L	94				73	103	
	Hexachlorobenzene	50	46.4	ug/L	93				73	106	
	Atrazine	50	54.8	ug/L	110				76	120	
	Pentachlorophenol	100	75.1	ug/L	75				47	114	
	Phenanthrene	50	47.8	ug/L	96				62	109	
	Anthracene	50	49	ug/L	98				65	110	
	Carbazole	50	46.7	ug/L	93				62	106	
	Di-n-butylphthalate	50	55.8	ug/L	112		*		64	106	
	Fluoranthene	50	48.8	ug/L	98				64	110	
	Benzidine	100	13.1	ug/L	13				10	94	
	Pyrene	50	50.1	ug/L	100				71	103	
	Butylbenzylphthalate	50	56.7	ug/L	113		*		61	105	
	3,3-Dichlorobenzidine	50	33.6	ug/L	67				43	108	
	Benzo(a)anthracene	50	46.9	ug/L	94				62	107	
	Chrysene	50	48.2	ug/L	96				61	108	
	bis(2-Ethylhexyl)phthalate	50	46.5	ug/L	93				59	110	
	Di-n-octyl phthalate	50	38.9	ug/L	78				67	126	
	Benzo(b)fluoranthene	50	48.7	ug/L	97				77	113	
	Benzo(k)fluoranthene	50	57.5	ug/L	115		*		64	113	
	Benzo(a)pyrene	50	53	ug/L	106				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.2	ug/L	94				72	105	
	Dibenz(a,h)anthracene	50	46.7	ug/L	93				78	115	
	Benzo(g,h,i)perylene	50	41.2	ug/L	82				75	118	
	1,2,4,5-Tetrachlorobenzene	50	42	ug/L	84				72	101	
	1,4-Dioxane	50	30.1	ug/L	60				38	125	
	2,3,4,6-Tetrachlorophenol	50	51.1	ug/L	102				63	116	
	1-Methylnaphthalene	50	43.6	ug/L	87				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162358BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138881.D

Lab Sample ID: PB162358BL

Instrument ID: BNA_F

Date Extracted: 07/30/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 10:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162358BS	PB162358BS	BF138882.D	08/09/2024
B-105-SB02	P3394-02	BF138899.D	08/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162421BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138880.D

Lab Sample ID: PB162421BL

Instrument ID: BNA_F

Date Extracted: 08/01/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 10:19

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

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

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162423BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138883.D

Lab Sample ID: PB162423BL

Instrument ID: BNA_F

Date Extracted: 08/01/2024

Matrix: (soil/water) Water

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 11:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162423BS	PB162423BS	BF138884.D	08/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

72-11929

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138892.D

Lab Sample ID: P3460-01

Instrument ID: BNA_F

Date Extracted: 08/05/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 17:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
72-11929	P3460-01	BF138892.D	08/09/2024
72-11929MS	P3460-01MS	BF138893.D	08/09/2024
72-11929MSD	P3460-01MSD	BF138894.D	08/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162489BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138885.D

Lab Sample ID: PB162489BL

Instrument ID: BNA_F

Date Extracted: 08/05/2024

Matrix: (soil/water) Water

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 12:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162489BS	PB162489BS	BF138886.D	08/09/2024
MLS-15-682-697	P3468-02	BF138889.D	08/09/2024
MLS-15-513-528	P3469-01	BF138890.D	08/09/2024
MLS-15-625-640	P3469-02	BF138891.D	08/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

IDW-S1-01

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138888.D

Lab Sample ID: P3468-01

Instrument ID: BNA_F

Date Extracted: 08/06/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 14:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
IDW-S1-01	P3468-01	BF138888.D	08/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EO-03-080724

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138895.D

Lab Sample ID: P3507-01

Instrument ID: BNA_F

Date Extracted: 08/08/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 18:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EO-03-080724	P3507-01	BF138895.D	08/09/2024
OR-02-080724	P3509-01	BF138896.D	08/09/2024
OR-02-080724MS	P3509-01MS	BF138897.D	08/09/2024
OR-02-080724MSD	P3509-01MSD	BF138898.D	08/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TOPSOIL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080924

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138887.D

Lab Sample ID: P3464-02

Instrument ID: BNA_F

Date Extracted: 08/07/2024

Matrix: (soil/water) Water

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 14:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TOPSOIL	P3464-02	BF138887.D	08/09/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3460-01MS		Client Sample ID: 72-11929MS		DataFile: BF138893.D							
n-Nitrosodimethylamine	1100		1100	ug/Kg	100				66	124	
Pyridine	1100		780	ug/Kg	71				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		560	ug/Kg	51				10	88	
Phenol	1100		970	ug/Kg	88				67	126	
bis(2-Chloroethyl)ether	1100		960	ug/Kg	87				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		970	ug/Kg	88				62	101	
1,4-Dichlorobenzene	1100		990	ug/Kg	90				63	104	
Benzyl Alcohol	1100		1100	ug/Kg	100				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		960	ug/Kg	87				52	115	
Acetophenone	1100		990	ug/Kg	90				75	111	
3+4-Methylphenols	1100		1100	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1100		1100	ug/Kg	100				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		990	ug/Kg	90				70	119	
Isophorone	1100		1000	ug/Kg	91				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		1100	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		0	ug/Kg	0	*			50	104	
Naphthalene	1100		1000	ug/Kg	91				72	110	
4-Chloroaniline	1100		330	ug/Kg	30				10	100	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		820	ug/Kg	75				51	134	
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91				57	132	
2-Methylnaphthalene	1100		1000	ug/Kg	91				59	123	
Hexachlorocyclopentadiene	2100		2100	ug/Kg	100				10	175	
2,4,6-Trichlorophenol	1100		980	ug/Kg	89				72	117	
2,4,5-Trichlorophenol	1100		970	ug/Kg	88				72	117	
1,1-Biphenyl	1100		970	ug/Kg	88				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		1100	ug/Kg	100				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		1000	ug/Kg	91				70	125	
3-Nitroaniline	1100		680	ug/Kg	62				20	111	
Acenaphthene	1100		970	ug/Kg	88				70	121	
Total PAH	17600		15720	ug/Kg	89				70	121	
2,4-Dinitrophenol	2100		540	ug/Kg	26				16	160	
4-Nitrophenol	2100		1500	ug/Kg	71				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2000	ug/Kg	91				55	128	
Diethylphthalate	1100		1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		930	ug/Kg	85				55	120	
4,6-Dinitro-2-methylphenol	1100		650	ug/Kg	59				32	145	
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109				73	118	
Azobenzene	1100		990	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	1100		1200	ug/Kg	109				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1400	ug/Kg	127				79	127	
Pentachlorophenol	2100		1000	ug/Kg	48				47	128	
Phenanthrene	1100		1100	ug/Kg	100				72	113	
Anthracene	1100		1100	ug/Kg	100				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1300	ug/Kg	118				69	118	
Fluoranthene	1100		950	ug/Kg	86				59	125	
Benzydine	2100		740	ug/Kg	35				10	119	
Pyrene	1100		850	ug/Kg	77				52	128	
Butylbenzylphthalate	1100		1200	ug/Kg	109				64	126	
3,3-Dichlorobenzidine	1100		750	ug/Kg	68				10	164	
Benzo(a)anthracene	1100		1100	ug/Kg	100				71	114	
Chrysene	1100		1100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1100		1200	ug/Kg	109				66	127	
Di-n-octyl phthalate	1100		1200	ug/Kg	109				71	126	
Benzo(b)fluoranthene	1100		1100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1100		1200	ug/Kg	109				74	114	
Benzo(a)pyrene	1100		1100	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1100		720	ug/Kg	65				61	125	
Dibenz(a,h)anthracene	1100		720	ug/Kg	65	*			67	130	
Benzo(g,h,i)perylene	1100		610	ug/Kg	55				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		720	ug/Kg	65				46	112	
2,3,4,6-Tetrachlorophenol	1100		830	ug/Kg	75				56	133	
1-Methylnaphthalene	1100		950	ug/Kg	86				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3460-01MSD		Client Sample ID: 72-11929MSD		DataFile: BF138894.D							
n-Nitrosodimethylamine	1100		1200	ug/Kg	109		9		66	124	20
Pyridine	1100		860	ug/Kg	78		9		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		610	ug/Kg	55		8		10	88	20
Phenol	1100		1000	ug/Kg	91		3		67	126	20
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91		4		74	116	20
2-Chlorophenol	1100		1100	ug/Kg	100		9		61	138	20
1,2-Dichlorobenzene	1100		1100	ug/Kg	100		9		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		3		62	101	20
1,4-Dichlorobenzene	1100		1100	ug/Kg	100		11		63	104	20
Benzyl Alcohol	1100		1200	ug/Kg	109		9		47	126	20
2-Methylphenol	1100		1100	ug/Kg	100		9		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		4		52	115	20
Acetophenone	1100		1000	ug/Kg	91		1		75	111	20
3+4-Methylphenols	1100		1100	ug/Kg	100		0		53	132	20
N-Nitroso-di-n-propylamine	1100		1100	ug/Kg	100		0		59	119	20
Hexachloroethane	1100		1100	ug/Kg	100		9		65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		1		70	119	20
Isophorone	1100		1100	ug/Kg	100		9		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		9		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		9		83	144	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		9		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		0		57	103	20
Benzoic acid	1100		230	ug/Kg	21	*	200	*	50	104	20
Naphthalene	1100		1000	ug/Kg	91		0		72	110	20
4-Chloroaniline	1100		390	ug/Kg	35		15		10	100	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		9		66	114	20
Caprolactam	1100		930	ug/Kg	85		13		51	134	20
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100		9		57	132	20
2-Methylnaphthalene	1100		1100	ug/Kg	100		9		59	123	20
Hexachlorocyclopentadiene	2100		2000	ug/Kg	95		5		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		12		72	117	20
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100		13		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		3		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		9		67	118	20
2-Nitroaniline	1100		1200	ug/Kg	109		9		69	127	20
Dimethylphthalate	1100		1200	ug/Kg	109		9		70	113	20
Acenaphthylene	1100		1200	ug/Kg	109		9		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		9		70	125	20
3-Nitroaniline	1100		750	ug/Kg	68		9		20	111	20
Acenaphthene	1100		1000	ug/Kg	91		3		70	121	20
Total PAH	17600		16600	ug/Kg	94		5		70	121	20
2,4-Dinitrophenol	2100		660	ug/Kg	31		18		16	160	20
4-Nitrophenol	2100		1700	ug/Kg	81		13		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		9		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1200	ug/Kg	109		18		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2300	ug/Kg	105		14		55	128	20
Diethylphthalate	1100		1200	ug/Kg	109		9		70	112	20
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100		9		71	108	20
Fluorene	1100		1100	ug/Kg	100		9		68	116	20
4-Nitroaniline	1100		990	ug/Kg	90		6		55	120	20
4,6-Dinitro-2-methylphenol	1100		720	ug/Kg	65		10		32	145	20
N-Nitrosodiphenylamine	1100		1300	ug/Kg	118		8		73	118	20
Azobenzene	1100		1100	ug/Kg	100		11		73	110	20
4-Bromophenyl-phenylether	1100		1200	ug/Kg	109		0		65	121	20
Hexachlorobenzene	1100		1200	ug/Kg	109		9		67	118	20
Atrazine	1100		1500	ug/Kg	136	*	7		79	127	20
Pentachlorophenol	2100		1200	ug/Kg	57		17		47	128	20
Phenanthrene	1100		1100	ug/Kg	100		0		72	113	20
Anthracene	1100		1200	ug/Kg	109		9		62	124	20
Carbazole	1100		1100	ug/Kg	100		9		59	119	20
Di-n-butylphthalate	1100		1400	ug/Kg	127	*	7		69	118	20
Fluoranthene	1100		1000	ug/Kg	91		6		59	125	20
Benzidine	2100		860	ug/Kg	41		16		10	119	20
Pyrene	1100		880	ug/Kg	80		4		52	128	20
Butylbenzylphthalate	1100		1200	ug/Kg	109		0		64	126	20
3,3-Dichlorobenzidine	1100		880	ug/Kg	80		16		10	164	20
Benzo(a)anthracene	1100		1100	ug/Kg	100		0		71	114	20
Chrysene	1100		1100	ug/Kg	100		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1300	ug/Kg	118		8		66	127	20
Di-n-octyl phthalate	1100		1200	ug/Kg	109		0		71	126	20
Benzo(b)fluoranthene	1100		1200	ug/Kg	109		9		67	121	20
Benzo(k)fluoranthene	1100		1300	ug/Kg	118	*	8		74	114	20
Benzo(a)pyrene	1100		1200	ug/Kg	109		9		70	142	20
Indeno(1,2,3-cd)pyrene	1100		790	ug/Kg	72		10		61	125	20
Dibenz(a,h)anthracene	1100		770	ug/Kg	70		7		67	130	20
Benzo(g,h,i)perylene	1100		660	ug/Kg	60		9		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		9		69	124	20
1,4-Dioxane	1100		820	ug/Kg	75		14		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91		19		56	133	20
1-Methylnaphthalene	1100		1000	ug/Kg	91		6		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3509-01MS		Client Sample ID: OR-02-080724MS		DataFile: BF138897.D							
n-Nitrosodimethylamine	1200		1300	ug/Kg	108				66	124	
Pyridine	1200		960	ug/Kg	80				45	119	
Benzaldehyde	1200		0	ug/Kg	0	*			26	163	
Aniline	1200		450	ug/Kg	38				10	88	
Phenol	1200		1100	ug/Kg	92				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				74	116	
2-Chlorophenol	1200		1200	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1200		1200	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1200		1100	ug/Kg	92				62	101	
1,4-Dichlorobenzene	1200		1200	ug/Kg	100				63	104	
Benzyl Alcohol	1200		1200	ug/Kg	100				47	126	
2-Methylphenol	1200		1100	ug/Kg	92				66	122	
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92				52	115	
Acetophenone	1200		1200	ug/Kg	100				75	111	
3+4-Methylphenols	1200		1200	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1200		1200	ug/Kg	100				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		1200	ug/Kg	100				70	119	
Isophorone	1200		1200	ug/Kg	100				76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		1300	ug/Kg	108				83	144	
bis(2-Chloroethoxy)methane	1200		1200	ug/Kg	100				68	112	
2,4-Dichlorophenol	1200		1200	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1200		1200	ug/Kg	100				57	103	
Benzoic acid	1200		250	ug/Kg	21	*			50	104	
Naphthalene	1200		1200	ug/Kg	100				72	110	
4-Chloroaniline	1200		250	ug/Kg	21				10	100	
Hexachlorobutadiene	1200		1200	ug/Kg	100				66	114	
Caprolactam	1200		960	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200		1200	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2400		1100	ug/Kg	46				10	175	
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1200		1200	ug/Kg	100				72	117	
1,1-Biphenyl	1200		1200	ug/Kg	100				75	113	
2-Chloronaphthalene	1200		1200	ug/Kg	100				67	118	
2-Nitroaniline	1200		1300	ug/Kg	108				69	127	
Dimethylphthalate	1200		1400	ug/Kg	117	*			70	113	
Acenaphthylene	1200		1300	ug/Kg	108				79	118	
2,6-Dinitrotoluene	1200		1200	ug/Kg	100				70	125	
3-Nitroaniline	1200		680	ug/Kg	57				20	111	
Acenaphthene	1200		1200	ug/Kg	100				70	121	
Total PAH	19200	0	19460	ug/Kg	101				70	121	
2,4-Dinitrophenol	2400		310	ug/Kg	13	*			16	160	
4-Nitrophenol	2400		1800	ug/Kg	75				45	133	
Dibenzofuran	1200		1200	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

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	2400		2400	ug/Kg	100				55	128	
2,4-Dinitrotoluene	1200		1200	ug/Kg	100				55	128	
Diethylphthalate	1200		1400	ug/Kg	117	*			70	112	
4-Chlorophenyl-phenylether	1200		1200	ug/Kg	100				71	108	
Fluorene	1200		1200	ug/Kg	100				68	116	
4-Nitroaniline	1200		950	ug/Kg	79				55	120	
4,6-Dinitro-2-methylphenol	1200		440	ug/Kg	37				32	145	
N-Nitrosodiphenylamine	1200		1500	ug/Kg	125	*			73	118	
Azobenzene	1200		1200	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1200		1400	ug/Kg	117				65	121	
Hexachlorobenzene	1200		1200	ug/Kg	100				67	118	
Atrazine	1200		1600	ug/Kg	133	*			79	127	
Pentachlorophenol	2400		1500	ug/Kg	63				47	128	
Phenanthrene	1200	160	1400	ug/Kg	103				72	113	
Anthracene	1200	0	1300	ug/Kg	108				62	124	
Carbazole	1200		1300	ug/Kg	108				59	119	
Di-n-butylphthalate	1200		1600	ug/Kg	133	*			69	118	
Fluoranthene	1200	200	1500	ug/Kg	108				59	125	
Benzydine	2400		1300	ug/Kg	54				10	119	
Pyrene	1200	130	1100	ug/Kg	81				52	128	
Butylbenzylphthalate	1200		1400	ug/Kg	117				64	126	
3,3-Dichlorobenzidine	1200		1100	ug/Kg	92				10	164	
Benzo(a)anthracene	1200	85.7	1300	ug/Kg	101				71	114	
Chrysene	1200	72.6	1300	ug/Kg	102				57	121	
bis(2-Ethylhexyl)phthalate	1200		1400	ug/Kg	117				66	127	
Di-n-octyl phthalate	1200		1200	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1200	95.9	1300	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1200		1400	ug/Kg	117	*			74	114	
Benzo(a)pyrene	1200	81.7	1300	ug/Kg	102				70	142	
Indeno(1,2,3-cd)pyrene	1200		930	ug/Kg	78				61	125	
Dibenz(a,h)anthracene	1200		920	ug/Kg	77				67	130	
Benzo(g,h,i)perylene	1200		810	ug/Kg	68				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100				69	124	
1,4-Dioxane	1200		880	ug/Kg	73				46	112	
2,3,4,6-Tetrachlorophenol	1200		950	ug/Kg	79				56	133	
1-Methylnaphthalene	1200		1100	ug/Kg	92				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3509-01MSD		Client Sample ID: OR-02-080724MSD		DataFile: BF138898.D							
n-Nitrosodimethylamine	1200		1400	ug/Kg	117		8		66	124	20
Pyridine	1200		1000	ug/Kg	83		4		45	119	20
Benzaldehyde	1200		0	ug/Kg	0	*			26	163	20
Aniline	1200		510	ug/Kg	43		12		10	88	20
Phenol	1200		1200	ug/Kg	100		8		67	126	20
bis(2-Chloroethyl)ether	1200		1200	ug/Kg	100		8		74	116	20
2-Chlorophenol	1200		1300	ug/Kg	108		8		61	138	20
1,2-Dichlorobenzene	1200		1200	ug/Kg	100		0		61	105	20
1,3-Dichlorobenzene	1200		1200	ug/Kg	100		8		62	101	20
1,4-Dichlorobenzene	1200		1200	ug/Kg	100		0		63	104	20
Benzyl Alcohol	1200		1300	ug/Kg	108		8		47	126	20
2-Methylphenol	1200		1200	ug/Kg	100		8		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1200	ug/Kg	100		8		52	115	20
Acetophenone	1200		1200	ug/Kg	100		0		75	111	20
3+4-Methylphenols	1200		1300	ug/Kg	108		8		53	132	20
N-Nitroso-di-n-propylamine	1200		1300	ug/Kg	108		8		59	119	20
Hexachloroethane	1200		1200	ug/Kg	100		8		65	117	20
Nitrobenzene	1200		1200	ug/Kg	100		0		70	119	20
Isophorone	1200		1200	ug/Kg	100		0		76	122	20
2-Nitrophenol	1200		1200	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1200		1400	ug/Kg	117		8		83	144	20
bis(2-Chloroethoxy)methane	1200		1200	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1200		1300	ug/Kg	108		8		72	118	20
1,2,4-Trichlorobenzene	1200		1200	ug/Kg	100		0		57	103	20
Benzoic acid	1200		270	ug/Kg	23	*	9		50	104	20
Naphthalene	1200		1200	ug/Kg	100		0		72	110	20
4-Chloroaniline	1200		330	ug/Kg	28		29	*	10	100	20
Hexachlorobutadiene	1200		1200	ug/Kg	100		0		66	114	20
Caprolactam	1200		1000	ug/Kg	83		4		51	134	20
4-Chloro-3-methylphenol	1200		1200	ug/Kg	100		8		57	132	20
2-Methylnaphthalene	1200		1200	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	2400		1100	ug/Kg	46		0		10	175	20
2,4,6-Trichlorophenol	1200		1300	ug/Kg	108		8		72	117	20
2,4,5-Trichlorophenol	1200		1300	ug/Kg	108		8		72	117	20
1,1-Biphenyl	1200		1300	ug/Kg	108		8		75	113	20
2-Chloronaphthalene	1200		1300	ug/Kg	108		8		67	118	20
2-Nitroaniline	1200		1400	ug/Kg	117		8		69	127	20
Dimethylphthalate	1200		1400	ug/Kg	117	*	0		70	113	20
Acenaphthylene	1200		1400	ug/Kg	117		8		79	118	20
2,6-Dinitrotoluene	1200		1300	ug/Kg	108		8		70	125	20
3-Nitroaniline	1200		730	ug/Kg	61		7		20	111	20
Acenaphthene	1200		1300	ug/Kg	108		8		70	121	20
Total PAH	19200	0	20570	ug/Kg	107		6		70	121	20
2,4-Dinitrophenol	2400		340	ug/Kg	14	*	7		16	160	20
4-Nitrophenol	2400		1900	ug/Kg	79		5		45	133	20
Dibenzofuran	1200		1300	ug/Kg	108		8		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080924

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	2400		2500	ug/Kg	104		4		55	128	20
2,4-Dinitrotoluene	1200		1200	ug/Kg	100		0		55	128	20
Diethylphthalate	1200		1400	ug/Kg	117	*	0		70	112	20
4-Chlorophenyl-phenylether	1200		1300	ug/Kg	108		8		71	108	20
Fluorene	1200		1200	ug/Kg	100		0		68	116	20
4-Nitroaniline	1200		1000	ug/Kg	83		5		55	120	20
4,6-Dinitro-2-methylphenol	1200		450	ug/Kg	38		3		32	145	20
N-Nitrosodiphenylamine	1200		1500	ug/Kg	125	*	0		73	118	20
Azobenzene	1200		1200	ug/Kg	100		0		73	110	20
4-Bromophenyl-phenylether	1200		1400	ug/Kg	117		0		65	121	20
Hexachlorobenzene	1200		1300	ug/Kg	108		8		67	118	20
Atrazine	1200		1700	ug/Kg	142	*	7		79	127	20
Pentachlorophenol	2400		1600	ug/Kg	67		6		47	128	20
Phenanthrene	1200	160	1400	ug/Kg	103		0		72	113	20
Anthracene	1200	0	1400	ug/Kg	117		8		62	124	20
Carbazole	1200		1300	ug/Kg	108		0		59	119	20
Di-n-butylphthalate	1200		1600	ug/Kg	133	*	0		69	118	20
Fluoranthene	1200	200	1500	ug/Kg	108		0		59	125	20
Benzydine	2400		1500	ug/Kg	63		15		10	119	20
Pyrene	1200	130	1200	ug/Kg	89		9		52	128	20
Butylbenzylphthalate	1200		1500	ug/Kg	125		7		64	126	20
3,3-Dichlorobenzidine	1200		1200	ug/Kg	100		8		10	164	20
Benzo(a)anthracene	1200	85.7	1400	ug/Kg	110		9		71	114	20
Chrysene	1200	72.6	1400	ug/Kg	111		8		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1500	ug/Kg	125		7		66	127	20
Di-n-octyl phthalate	1200		1300	ug/Kg	108		8		71	126	20
Benzo(b)fluoranthene	1200	95.9	1300	ug/Kg	100		0		67	121	20
Benzo(k)fluoranthene	1200		1600	ug/Kg	133	*	13		74	114	20
Benzo(a)pyrene	1200	81.7	1400	ug/Kg	110		8		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1000	ug/Kg	83		6		61	125	20
Dibenz(a,h)anthracene	1200		970	ug/Kg	81		5		67	130	20
Benzo(g,h,i)perylene	1200		900	ug/Kg	75		10		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1300	ug/Kg	108		8		69	124	20
1,4-Dioxane	1200		960	ug/Kg	80		9		46	112	20
2,3,4,6-Tetrachlorophenol	1200		990	ug/Kg	83		5		56	133	20
1-Methylnaphthalene	1200		1100	ug/Kg	92		0		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3394-02	B-105-SB02	BF138899.D	2-Fluorophenol	150	115.03	77		18	112
			Phenol-d6	150	112.94	75		15	107
			Nitrobenzene-d5	100	85.53	86		18	107
			2-Fluorobiphenyl	100	96.54	97		20	109
			2,4,6-Tribromophenol	150	98.69	66		10	110
			Terphenyl-d14	100	78.94	79		14	112
PB162358BL	PB162358BL	BF138881.D	2-Fluorophenol	150	172.40	115	*	18	112
			Phenol-d6	150	172.65	115	*	15	107
			Nitrobenzene-d5	100	112.83	113	*	18	107
			2-Fluorobiphenyl	100	110.66	111	*	20	109
			2,4,6-Tribromophenol	150	185.05	123	*	10	110
			Terphenyl-d14	100	131.13	131	*	14	112
PB162358BS	PB162358BS	BF138882.D	2-Fluorophenol	150	130.18	87		18	112
			Phenol-d6	150	128.98	86		15	107
			Nitrobenzene-d5	100	85.80	86		18	107
			2-Fluorobiphenyl	100	87.50	88		20	109
			2,4,6-Tribromophenol	150	140.37	94		10	110
			Terphenyl-d14	100	118.68	119	*	14	112

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162421BL	PB162421BL	BF138880.D	2-Fluorophenol	150	134.31	90		18	112
			Phenol-d6	150	133.96	89		15	107
			Nitrobenzene-d5	100	86.93	87		18	107
			2-Fluorobiphenyl	100	87.83	88		20	109
			2,4,6-Tribromophenol	150	146.50	98		10	110
			Terphenyl-d14	100	105.80	106		14	112

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162423BL	PB162423BL	BF138883.D	2-Fluorophenol	150	160.83	107		10	139
			Phenol-d6	150	160.81	107		10	134
			Nitrobenzene-d5	100	107.53	108		49	133
			2-Fluorobiphenyl	100	105.87	106		52	132
			2,4,6-Tribromophenol	150	179.28	120		32	145
			Terphenyl-d14	100	128.70	129		36	145
PB162423BS	PB162423BS	BF138884.D	2-Fluorophenol	150	134.88	90		10	139
			Phenol-d6	150	132.77	89		10	134
			Nitrobenzene-d5	100	84.69	85		49	133
			2-Fluorobiphenyl	100	86.95	87		52	132
			2,4,6-Tribromophenol	150	135.76	91		32	145
			Terphenyl-d14	100	117.53	118		36	145

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3460-01	72-11929	BF138892.D	2-Fluorophenol	150	103.06	69		18	112
			Phenol-d6	150	103.00	69		15	107
			Nitrobenzene-d5	100	71.01	71		18	107
			2-Fluorobiphenyl	100	76.30	76		20	109
			2,4,6-Tribromophenol	150	76.22	51		10	110
			Terphenyl-d14	100	82.82	83		14	112
P3460-01MS	72-11929MS	BF138893.D	2-Fluorophenol	150	89.51	60		18	112
			Phenol-d6	150	88.96	59		15	107
			Nitrobenzene-d5	100	63.24	63		18	107
			2-Fluorobiphenyl	100	67.40	67		20	109
			2,4,6-Tribromophenol	150	82.98	55		10	110
			Terphenyl-d14	100	65.88	66		14	112
P3460-01MSD	72-11929MSD	BF138894.D	2-Fluorophenol	150	97.61	65		18	112
			Phenol-d6	150	94.75	63		15	107
			Nitrobenzene-d5	100	65.72	66		18	107
			2-Fluorobiphenyl	100	71.95	72		20	109
			2,4,6-Tribromophenol	150	88.67	59		10	110
			Terphenyl-d14	100	67.74	68		14	112

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3468-02	MLS-15-682-697	BF138889.D	2-Fluorophenol	150	59.97	40		10	139
			Phenol-d6	150	35.40	24		10	134
			Nitrobenzene-d5	100	97.88	98		49	133
			2-Fluorobiphenyl	100	100.87	101		52	132
			2,4,6-Tribromophenol	150	124.13	83		32	145
			Terphenyl-d14	100	130.66	131		36	145
P3469-01	MLS-15-513-528	BF138890.D	2-Fluorophenol	150	59.87	40		10	139
			Phenol-d6	150	36.24	24		10	134
			Nitrobenzene-d5	100	94.78	95		49	133
			2-Fluorobiphenyl	100	93.35	93		52	132
			2,4,6-Tribromophenol	150	139.62	93		32	145
			Terphenyl-d14	100	138.32	138		36	145
P3469-02	MLS-15-625-640	BF138891.D	2-Fluorophenol	150	58.01	39		10	139
			Phenol-d6	150	34.12	23		10	134
			Nitrobenzene-d5	100	98.70	99		49	133
			2-Fluorobiphenyl	100	96.35	96		52	132
			2,4,6-Tribromophenol	150	133.85	89		32	145
			Terphenyl-d14	100	131.93	132		36	145
PB162489BL	PB162489BL	BF138885.D	2-Fluorophenol	150	165.53	110		10	139
			Phenol-d6	150	166.88	111		10	134
			Nitrobenzene-d5	100	112.30	112		49	133
			2-Fluorobiphenyl	100	110.16	110		52	132
			2,4,6-Tribromophenol	150	182.41	122		32	145
			Terphenyl-d14	100	135.98	136		36	145
PB162489BS	PB162489BS	BF138886.D	2-Fluorophenol	150	130.20	87		10	139
			Phenol-d6	150	129.25	86		10	134
			Nitrobenzene-d5	100	85.05	85		49	133
			2-Fluorobiphenyl	100	86.90	87		52	132
			2,4,6-Tribromophenol	150	138.71	92		32	145
			Terphenyl-d14	100	116.39	116		36	145

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3468-01	IDW-S1-01	BF138888.D	2-Fluorophenol	150	84.63	56		18	112
			Phenol-d6	150	85.82	57		15	107
			Nitrobenzene-d5	100	59.45	59		18	107
			2-Fluorobiphenyl	100	57.66	58		20	109
			2,4,6-Tribromophenol	150	71.92	48		10	110
			Terphenyl-d14	100	63.69	64		14	112

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3507-01	EO-03-080724	BF138895.D	2-Fluorophenol	150	84.07	56		18	112
			Phenol-d6	150	82.48	55		15	107
			Nitrobenzene-d5	100	62.16	62		18	107
			2-Fluorobiphenyl	100	72.44	72		20	109
			2,4,6-Tribromophenol	150	55.73	37		10	110
			Terphenyl-d14	100	62.74	63		14	112
P3509-01	OR-02-080724	BF138896.D	2-Fluorophenol	150	108.13	72		18	112
			Phenol-d6	150	107.02	71		15	107
			Nitrobenzene-d5	100	76.60	77		18	107
			2-Fluorobiphenyl	100	80.33	80		20	109
			2,4,6-Tribromophenol	150	79.38	53		10	110
			Terphenyl-d14	100	64.74	65		14	112
P3509-01MS	OR-02-080724MS	BF138897.D	2-Fluorophenol	150	105.17	70		18	112
			Phenol-d6	150	103.05	69		15	107
			Nitrobenzene-d5	100	72.80	73		18	107
			2-Fluorobiphenyl	100	76.26	76		20	109
			2,4,6-Tribromophenol	150	89.50	60		10	110
			Terphenyl-d14	100	64.68	65		14	112
P3509-01MSD	OR-02-080724MS	BF138898.D	2-Fluorophenol	150	114.97	77		18	112
			Phenol-d6	150	112.35	75		15	107
			Nitrobenzene-d5	100	75.36	75		18	107
			2-Fluorobiphenyl	100	80.82	81		20	109
			2,4,6-Tribromophenol	150	96.08	64		10	110
			Terphenyl-d14	100	70.77	71		14	112

Surrogate Summary

SW-846

SDG No.: **BF080924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3464-02	TOPSOIL	BF138887.D	2-Fluorophenol	150	55.71	37		10	139
			Phenol-d6	150	33.19	22		10	134
			Nitrobenzene-d5	100	89.11	89		49	133
			2-Fluorobiphenyl	100	89.52	90		52	132
			2,4,6-Tribromophenol	150	109.20	73		32	145
			Terphenyl-d14	100	106.50	106		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF080924

Lab Code: CHEM

SAS No.: BF080924 SDG NO.: BF080924

Lab File ID: BF138878.D

DFTPP Injection Date: 08/09/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.8
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.4
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	7.1
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.3
443	15.0 - 24.0% of mass 442	15.1 (18.4) 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	BF138879.D	08/09/2024	09:48
PB162421BL	PB162421BL	BF138880.D	08/09/2024	10:19
PB162358BL	PB162358BL	BF138881.D	08/09/2024	10:50
PB162358BS	PB162358BS	BF138882.D	08/09/2024	11:21
PB162423BL	PB162423BL	BF138883.D	08/09/2024	11:52
PB162423BS	PB162423BS	BF138884.D	08/09/2024	12:23
PB162489BL	PB162489BL	BF138885.D	08/09/2024	12:55
PB162489BS	PB162489BS	BF138886.D	08/09/2024	13:25
TOPSOIL	P3464-02	BF138887.D	08/09/2024	14:10
IDW-S1-01	P3468-01	BF138888.D	08/09/2024	14:59
MLS-15-682-697	P3468-02	BF138889.D	08/09/2024	15:31
MLS-15-513-528	P3469-01	BF138890.D	08/09/2024	16:02
MLS-15-625-640	P3469-02	BF138891.D	08/09/2024	16:33
72-11929	P3460-01	BF138892.D	08/09/2024	17:04
72-11929MS	P3460-01MS	BF138893.D	08/09/2024	17:35
72-11929MSD	P3460-01MSD	BF138894.D	08/09/2024	18:05
EO-03-080724	P3507-01	BF138895.D	08/09/2024	18:35
OR-02-080724	P3509-01	BF138896.D	08/09/2024	19:06

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF080924

Lab Code: CHEM

SAS No.: BF080924

SDG NO.: BF080924

Lab File ID: BF138878.D

DFTPP Injection Date: 08/09/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.8
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.4
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	7.1
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.3
443	15.0 - 24.0% of mass 442	15.1 (18.4) 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
OR-02-080724MS	P3509-01MS	BF138897.D	08/09/2024	19:36
OR-02-080724MSD	P3509-01MSD	BF138898.D	08/09/2024	20:06
B-105-SB02	P3394-02	BF138899.D	08/09/2024	20:36