

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG No.: BF120224

Instrument ID: BNA_F Calibration Date/Time: 12/2/2024 1:10:22

Lab File ID: BF140681.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	0.637	0.574		-9.89	
Pyridine	1.084	1.121		3.413	
2-Fluorophenol	1.172	1.148		-2.048	
Benzaldehyde	0.820	0.773		-5.732	
Aniline	1.091	1.166		6.874	
Phenol-d6	1.550	1.511		-2.516	
Phenol	1.583	1.579		-0.253	20.0
bis(2-Chloroethyl)ether	1.211	1.170		-3.386	
2-Chlorophenol	1.261	1.248		-1.031	
1,2-Dichlorobenzene	1.344	1.325		-1.414	
1,3-Dichlorobenzene	1.417	1.382		-2.47	
1,4-Dichlorobenzene	1.435	1.392		-2.997	20.0
Benzyl Alcohol	1.149	1.130		-1.654	
2-Methylphenol	1.010	0.989		-2.079	
2,2-oxybis(1-Chloropropane)	1.431	1.363		-4.752	
Acetophenone	0.488	0.482		-1.23	
3+4-Methylphenols	1.298	1.270		-2.157	
n-Nitroso-di-n-propylamine	0.916	0.863	0.050	-5.786	
Nitrobenzene-d5	0.391	0.381		-2.558	
Hexachloroethane	0.536	0.512		-4.478	
Nitrobenzene	0.404	0.399		-1.238	
Isophorone	0.652	0.641		-1.687	
2-Nitrophenol	0.179	0.181		1.117	20.0
2,4-Dimethylphenol	0.214	0.228		6.542	
bis(2-Chloroethoxy)methane	0.397	0.387		-2.519	
2,4-Dichlorophenol	0.284	0.285		0.352	20.0
1,2,4-Trichlorobenzene	0.324	0.317		-2.16	
Benzoic acid	0.164	0.150		-8.537	
Naphthalene	1.030	1.021		-0.874	
4-Chloroaniline	0.308	0.326		5.844	
Hexachlorobutadiene	0.215	0.211		-1.86	20.0
Caprolactam	0.088	0.089		1.136	
4-Chloro-3-methylphenol	0.318	0.313		-1.572	20.0
2-Methylnaphthalene	0.654	0.655		0.153	
Hexachlorocyclopentadiene	0.107	0.116	0.050	8.411	
2,4,6-Trichlorophenol	0.367	0.357		-2.725	20.0
2-Fluorobiphenyl	1.342	1.303		-2.906	
2,4,5-Trichlorophenol	0.399	0.393		-1.504	
1,1-Biphenyl	1.493	1.474		-1.273	

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Lab File ID: BF140681.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.131	1.123		-0.707	
2-Nitroaniline	0.363	0.357		-1.653	
Dimethylphthalate	1.317	1.279		-2.885	
Acenaphthylene	1.710	1.674		-2.105	
2,6-Dinitrotoluene	0.299	0.297		-0.669	
3-Nitroaniline	0.292	0.297		1.712	
Acenaphthene	1.086	1.073		-1.197	20.0
2,4-Dinitrophenol	0.122	0.117	0.050	-4.098	
4-Nitrophenol	0.199	0.171	0.050	-14.07	
Dibenzofuran	1.657	1.622		-2.112	
2,4-Dinitrotoluene	0.397	0.406		2.267	
Diethylphthalate	1.338	1.300		-2.84	
4-Chlorophenyl-phenylether	0.653	0.650		-0.459	
Fluorene	1.330	1.312		-1.353	
4-Nitroaniline	0.306	0.312		1.961	
4,6-Dinitro-2-methylphenol	0.102	0.107		4.902	
n-Nitrosodiphenylamine	0.591	0.577		-2.369	20.0
Azobenzene	1.267	1.239		-2.21	
2,4,6-Tribromophenol	0.214	0.211		-1.402	
4-Bromophenyl-phenylether	0.206	0.205		-0.485	
Hexachlorobenzene	0.238	0.231		-2.941	
Atrazine	0.166	0.148		-10.843	
Pentachlorophenol	0.105	0.095		-9.524	20.0
Phenanthrene	0.961	0.947		-1.457	
Anthracene	0.940	0.935		-0.532	
Carbazole	0.905	0.910		0.552	
Di-n-butylphthalate	1.044	1.010		-3.257	
Fluoranthene	1.044	1.053		0.862	20.0
Benzidine	0.581	0.494		-14.974	
Pyrene	1.849	1.875		1.406	
Terphenyl-d14	1.284	1.262		-1.713	
Butylbenzylphthalate	0.666	0.672		0.901	
3,3-Dichlorobenzidine	0.397	0.386		-2.771	
Benzo(a)anthracene	1.324	1.320		-0.302	
Chrysene	1.211	1.200		-0.908	
Bis(2-ethylhexyl)phthalate	0.841	0.841		0.0	
Di-n-octyl phthalate	1.150	1.140		-0.87	20.0
Benzo(b)fluoranthene	1.256	1.244		-0.955	
Benzo(k)fluoranthene	1.099	1.048		-4.641	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG No.: BF120224

Instrument ID: BNA_F Calibration Date/Time: 12/2/2024 1:10:22

Lab File ID: BF140681.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	1.021	1.000		-2.057	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.265		-2.916	
Dibenzo(a,h)anthracene	1.067	1.025		-3.936	
Benzo(g,h,i)perylene	1.089	1.064		-2.296	
1,2,4,5-Tetrachlorobenzene	0.586	0.575		-1.877	
1,4-Dioxane	0.493	0.483		-2.028	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.299		-2.288	
1-Methylnaphthalene	0.641	0.633		-1.248	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BL	SDG No.:	BF120224
Lab Sample ID:	PB165296BL	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
BF140682.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

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:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BL	SDG No.:	BF120224
Lab Sample ID:	PB165296BL	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
BF140682.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

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:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BL	SDG No.:	BF120224
Lab Sample ID:	PB165296BL	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
BF140682.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

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	145.605		10-139		97	SPK: -150
13127-88-3	Phenol-d6	141.229		10-134		94	SPK: -150
4165-60-0	Nitrobenzene-d5	94.488		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	96.046		52-132		96	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BL	SDG No.:	BF120224
Lab Sample ID:	PB165296BL	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
BF140682.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.216		44-137		91	SPK: -150
1718-51-0	Terphenyl-d14	94.729		48-125		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73230	6.869				
1146-65-2	Naphthalene-d8	279727	8.151				
15067-26-2	Acenaphthene-d10	158263	9.904				
1517-22-2	Phenanthrene-d10	307927	11.398				
1719-03-5	Chrysene-d12	198812	14.068				
1520-96-3	Perylene-d12	157266	15.598				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3.3	J			2.21	

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BS	SDG No.:	BF120224
Lab Sample ID:	PB165296BS	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
BF140683.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.7		1	8	10	ug/L
110-86-1	Pyridine	45.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	29.4		4	8	10	ug/L
62-53-3	Aniline	44.8		1.6	4	5	ug/L
108-95-2	Phenol	48.3		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	49.4		1.6	8	10	ug/L
95-48-7	2-Methylphenol	48		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	48.4		1.4	4	5	ug/L
98-86-2	Acetophenone	44.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	49.2		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.6		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45		1	4	5	ug/L
98-95-3	Nitrobenzene	43.6		1.3	4	5	ug/L
78-59-1	Isophorone	47.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.6		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	60.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.1		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	38.8		5.5	8	10	ug/L
91-20-3	Naphthalene	45.7		1	4	5	ug/L
106-47-8	4-Chloroaniline	27		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	43.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BS	SDG No.:	BF120224
Lab Sample ID:	PB165296BS	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
BF140683.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	48.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	47.7		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	47.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	160	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	46.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45.5		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.3		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	47.1		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	47.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	49.7		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.2		1.4	4	5	ug/L
83-32-9	Acenaphthene	47.6		0.81	4	5	ug/L
Total PAH	Total PAH	768.2		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	79.6		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	89.7	E	2	8	10	ug/L
132-64-9	Dibenzofuran	47.4		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	93.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	48.2		1.5	4	5	ug/L
84-66-2	Diethylphthalate	47.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.7		0.98	4	5	ug/L
86-73-7	Fluorene	47.3		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	47.2		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.9		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.2		0.89	4	5	ug/L
103-33-3	Azobenzene	47.3		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45.8		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	46.4		1.1	4	5	ug/L
1912-24-9	Atrazine	56.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BS	SDG No.:	BF120224
Lab Sample ID:	PB165296BS	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
BF140683.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	86.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	47.6		0.89	4	5	ug/L
120-12-7	Anthracene	49.7		1.1	4	5	ug/L
86-74-8	Carbazole	48.3		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	50.5		1.3	4	5	ug/L
92-87-5	Benzidine	30.6		4.1	8	10	ug/L
129-00-0	Pyrene	46		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	47		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	27.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	48.2		0.94	4	5	ug/L
218-01-9	Chrysene	48.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	52.1		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	48.9		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	47.6		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.4		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.9		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	41.2		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	45		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.227		10-139		86	SPK: -150
13127-88-3	Phenol-d6	129.139		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	86.671		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	87.557		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BS	SDG No.:	BF120224
Lab Sample ID:	PB165296BS	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
BF140683.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.15		44-137		89	SPK: -150
1718-51-0	Terphenyl-d14	87.497		48-125		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84060	6.869				
1146-65-2	Naphthalene-d8	323501	8.151				
15067-26-2	Acenaphthene-d10	181370	9.91				
1517-22-2	Phenanthrene-d10	351850	11.398				
1719-03-5	Chrysene-d12	225717	14.063				
1520-96-3	Perylene-d12	182835	15.58				

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BSD	SDG No.:	BF120224
Lab Sample ID:	PB165296BSD	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
BF140684.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.7		1	8	10	ug/L
110-86-1	Pyridine	52.8		1.6	4	5	ug/L
100-52-7	Benzaldehyde	33.1		4	8	10	ug/L
62-53-3	Aniline	50		1.6	4	5	ug/L
108-95-2	Phenol	54.3		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	52.8		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	55.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	51.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	51.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	51.1		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	55.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	54.1		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	55.7		1.4	4	5	ug/L
98-86-2	Acetophenone	50.4		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	54.5		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	52		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	50.8		1	4	5	ug/L
98-95-3	Nitrobenzene	49		1.3	4	5	ug/L
78-59-1	Isophorone	52.5		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	53.7		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	67.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	52.1		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	53.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	44.1		5.5	8	10	ug/L
91-20-3	Naphthalene	51.3		1	4	5	ug/L
106-47-8	4-Chloroaniline	25.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BSD	SDG No.:	BF120224
Lab Sample ID:	PB165296BSD	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
BF140684.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	53.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	53.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	50.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	51.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	51.1		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	50.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	52.2		0.93	4	5	ug/L
208-96-8	Acenaphthylene	54.9		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	51		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	31.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	52.4		0.81	4	5	ug/L
Total PAH	Total PAH	849.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	89.8	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	97.5	E	2	8	10	ug/L
132-64-9	Dibenzofuran	52.2		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	53.5		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	52.5		1.5	4	5	ug/L
84-66-2	Diethylphthalate	51.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	51.6		0.98	4	5	ug/L
86-73-7	Fluorene	52.2		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	52.9		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	52.3		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	49.2		0.89	4	5	ug/L
103-33-3	Azobenzene	53		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.3		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.9		1.1	4	5	ug/L
1912-24-9	Atrazine	60.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BSD	SDG No.:	BF120224
Lab Sample ID:	PB165296BSD	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
BF140684.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91.1	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	53.2		0.89	4	5	ug/L
120-12-7	Anthracene	54.6		1.1	4	5	ug/L
86-74-8	Carbazole	52.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	51.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	46.8		1.3	4	5	ug/L
92-87-5	Benzidine	36.3		4.1	8	10	ug/L
129-00-0	Pyrene	52.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	55.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	31.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	56		0.94	4	5	ug/L
218-01-9	Chrysene	54.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	56.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	62.1		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	55.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	54		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	62.5		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.9		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.7		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	49.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	46.9		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	58.1		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	50.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	146.652		10-139		98	SPK: -150
13127-88-3	Phenol-d6	144.646		10-134		96	SPK: -150
4165-60-0	Nitrobenzene-d5	96.695		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	95.398		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165296BSD	SDG No.:	BF120224
Lab Sample ID:	PB165296BSD	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
BF140684.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	148.597		44-137		99	SPK: -150
1718-51-0	Terphenyl-d14	101.486		48-125		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80604	6.869				
1146-65-2	Naphthalene-d8	308077	8.151				
15067-26-2	Acenaphthene-d10	176945	9.91				
1517-22-2	Phenanthrene-d10	364189	11.398				
1719-03-5	Chrysene-d12	185704	14.057				
1520-96-3	Perylene-d12	166131	15.574				

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BL	SDG No.:	BF120224
Lab Sample ID:	PB165294BL	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
BF140685.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

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:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BL	SDG No.:	BF120224
Lab Sample ID:	PB165294BL	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
BF140685.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

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:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BL	SDG No.:	BF120224
Lab Sample ID:	PB165294BL	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
BF140685.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

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	130.004		18-112		87	SPK: -150
13127-88-3	Phenol-d6	126.568		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	87.267		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	89.412		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BL	SDG No.:	BF120224
Lab Sample ID:	PB165294BL	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
BF140685.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.547		10-116		83	SPK: -150
1718-51-0	Terphenyl-d14	92.051		10-105		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79973	6.869				
1146-65-2	Naphthalene-d8	298135	8.151				
15067-26-2	Acenaphthene-d10	166068	9.904				
1517-22-2	Phenanthrene-d10	327153	11.398				
1719-03-5	Chrysene-d12	188803	14.057				
1520-96-3	Perylene-d12	154328	15.58				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	110	J			2.21	

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BS	SDG No.:	BF120224
Lab Sample ID:	PB165294BS	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
BF140686.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		86.7	270	330	ug/Kg
110-86-1	Pyridine	1700		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1000		180	270	330	ug/Kg
62-53-3	Aniline	1700		96.8	130	170	ug/Kg
108-95-2	Phenol	1800		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1800		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1800		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1700		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1900		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.7	130	170	ug/Kg
78-59-1	Isophorone	1700		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1700		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	820		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BS	SDG No.:	BF120224
Lab Sample ID:	PB165294BS	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
BF140686.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1900		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1800		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1800		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1800		81	130	170	ug/Kg
Total PAH	Total PAH	28300		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		85.5	130	170	ug/Kg
86-73-7	Fluorene	1700		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1800		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1800		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	2100		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BS	SDG No.:	BF120224
Lab Sample ID:	PB165294BS	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
BF140686.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3200	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1800		83.9	130	170	ug/Kg
120-12-7	Anthracene	1900		84.3	130	170	ug/Kg
86-74-8	Carbazole	1800		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1800		81.6	130	170	ug/Kg
92-87-5	Benzidine	1300		160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.6	130	170	ug/Kg
218-01-9	Chrysene	1800		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1600		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1700		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	147.178		18-112		98	SPK: -150
13127-88-3	Phenol-d6	147.499		15-107		98	SPK: -150
4165-60-0	Nitrobenzene-d5	98.365		18-107		98	SPK: -100
321-60-8	2-Fluorobiphenyl	96.631		20-109		97	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	PB165294BS	SDG No.:	BF120224
Lab Sample ID:	PB165294BS	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
BF140686.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	148.932		10-116		99	SPK: -150
1718-51-0	Terphenyl-d14	101.56		10-105		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73424	6.869				
1146-65-2	Naphthalene-d8	289038	8.151				
15067-26-2	Acenaphthene-d10	165983	9.91				
1517-22-2	Phenanthrene-d10	315793	11.398				
1719-03-5	Chrysene-d12	189731	14.063				
1520-96-3	Perylene-d12	164500	15.58				

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	PB165248TB	SDG No.:	BF120224
Lab Sample ID:	PB165248TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140687.D	1	11/26/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165269

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

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	PB165248TB	SDG No.:	BF120224
Lab Sample ID:	PB165248TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140687.D	1	11/26/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165269

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

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	PB165248TB	SDG No.:	BF120224
Lab Sample ID:	PB165248TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140687.D	1	11/26/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	140.807		10-139		94	SPK: -150
13127-88-3	Phenol-d6	137.555		10-134		92	SPK: -150
4165-60-0	Nitrobenzene-d5	93.649		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	94.754		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	PB165248TB	SDG No.:	BF120224
Lab Sample ID:	PB165248TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140687.D	1	11/26/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.25		44-137		88	SPK: -150
1718-51-0	Terphenyl-d14	110.194		48-125		110	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85884	6.869				
1146-65-2	Naphthalene-d8	327246	8.151				
15067-26-2	Acenaphthene-d10	182780	9.904				
1517-22-2	Phenanthrene-d10	349951	11.398				
1719-03-5	Chrysene-d12	179342	14.057				
1520-96-3	Perylene-d12	149258	15.574				

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-13	SDG No.:	BF120224
Lab Sample ID:	P5021-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140688.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	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	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-13	SDG No.:	BF120224
Lab Sample ID:	P5021-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140688.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-13	SDG No.:	BF120224
Lab Sample ID:	P5021-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140688.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	4	5.1	ug/L
218-01-9	Chrysene	0.87	U	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	63.202		10-139		42	SPK: -150
13127-88-3	Phenol-d6	38.172		10-134		25	SPK: -150
4165-60-0	Nitrobenzene-d5	96.072		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	94.032		52-132		94	SPK: -100

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-13	SDG No.:	BF120224
Lab Sample ID:	P5021-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140688.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.301		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	90.822		48-125		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82130	6.869				
1146-65-2	Naphthalene-d8	307028	8.151				
15067-26-2	Acenaphthene-d10	174760	9.904				
1517-22-2	Phenanthrene-d10	319066	11.398				
1719-03-5	Chrysene-d12	197195	14.051				
1520-96-3	Perylene-d12	158239	15.568				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	130	J			2.152	
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.1	J			6.393	
000622-96-8	Benzene, 1-ethyl-4-methyl-	2.5	J			6.428	
000526-73-8	Benzene, 1,2,3-trimethyl-	3.2	J			6.693	
000496-11-7	Indane	9.8	J			7.046	
000766-82-5	3-Methylphenylacetylene	4.2	J			7.134	
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	4.4	J			7.187	
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	5.2	J			7.887	
000057-10-3	n-Hexadecanoic acid	4.8	J			11.916	

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-11	SDG No.:	BF120224
Lab Sample ID:	P5021-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140689.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	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	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-11	SDG No.:	BF120224
Lab Sample ID:	P5021-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140689.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-11	SDG No.:	BF120224
Lab Sample ID:	P5021-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140689.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	4	5.1	ug/L
218-01-9	Chrysene	0.87	U	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	62.543		10-139		42	SPK: -150
13127-88-3	Phenol-d6	38.468		10-134		26	SPK: -150
4165-60-0	Nitrobenzene-d5	95.582		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	94.356		52-132		94	SPK: -100

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-11	SDG No.:	BF120224
Lab Sample ID:	P5021-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF140689.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.592		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	91.047		48-125		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78955	6.869				
1146-65-2	Naphthalene-d8	302257	8.151				
15067-26-2	Acenaphthene-d10	171220	9.904				
1517-22-2	Phenanthrene-d10	321567	11.398				
1719-03-5	Chrysene-d12	192319	14.051				
1520-96-3	Perylene-d12	156519	15.574				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	130	J			2.152	
004744-10-9	Propane, 1,1-dimethoxy-	2.1	J			2.257	
006222-03-3	Trifluoroacetoxy hexadecane	2.3	J			13.886	

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	TW-WTS-02	SDG No.:	BF120224
Lab Sample ID:	P5006-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	495	Units:	mL
Soil Aliquot Vol:		Final Vol:	500
			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
BF140690.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	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	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	TW-WTS-02	SDG No.:	BF120224
Lab Sample ID:	P5006-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	495	Units:	mL
Soil Aliquot Vol:		Final Vol:	500
			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
BF140690.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	TW-WTS-02	SDG No.:	BF120224
Lab Sample ID:	P5006-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	495	Units:	mL
Soil Aliquot Vol:		Final Vol:	500 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
BF140690.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	4	5.1	ug/L
218-01-9	Chrysene	0.87	U	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	27.7685		10-139		37	SPK: -75
13127-88-3	Phenol-d6	17.8785		10-134		24	SPK: -75
4165-60-0	Nitrobenzene-d5	40.4575		49-133		81	SPK: -50
321-60-8	2-Fluorobiphenyl	42.06		52-132		84	SPK: -50

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	TW-WTS-02	SDG No.:	BF120224
Lab Sample ID:	P5006-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	495 Units: mL	Final Vol:	500 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
BF140690.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	58.9345		44-137		79	SPK: -75
1718-51-0	Terphenyl-d14	41.6855		48-125		83	SPK: -50
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75537	6.869				
1146-65-2	Naphthalene-d8	287073	8.151				
15067-26-2	Acenaphthene-d10	167519	9.904				
1517-22-2	Phenanthrene-d10	321708	11.398				
1719-03-5	Chrysene-d12	200835	14.051				
1520-96-3	Perylene-d12	164723	15.557				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	170	J			2.146	
000119-61-9	Benzophenone	5.4	J			10.622	

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BF120224
Lab Sample ID:	P5021-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF140691.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.1	5.1	ug/L
100-52-7	Benzaldehyde	4.1	U	4.1	8.2	10.2	ug/L
62-53-3	Aniline	1.6	U	1.6	4.1	5.1	ug/L
108-95-2	Phenol	0.95	U	0.95	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.9	U	0.9	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.2	10.2	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.1	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1	U	1	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.1	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.9	U	0.9	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
65-85-0	Benzoic acid	5.6	U	5.6	8.2	10.2	ug/L
91-20-3	Naphthalene	21.3		1	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BF120224
Lab Sample ID:	P5021-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF140691.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.86	U	0.86	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.1	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	0.93	U	0.93	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.99	U	0.99	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	0.95	U	0.95	4.1	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	11.8		0.83	4.1	5.1	ug/L
Total PAH	Total PAH	56.7	J	17.66	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.6	U	6.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.2	10.2	ug/L
132-64-9	Dibenzofuran	5.7		0.95	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.1	5.1	ug/L
86-73-7	Fluorene	5.2		0.98	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.91	U	0.91	4.1	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.97	U	0.97	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.1	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BF120224
Lab Sample ID:	P5021-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF140691.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.2	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	4.1	5.1	ug/L
120-12-7	Anthracene	2.7	J	1.1	4.1	5.1	ug/L
86-74-8	Carbazole	10.4		1.2	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.1	5.1	ug/L
206-44-0	Fluoranthene	8.9		1.3	4.1	5.1	ug/L
92-87-5	Benzidine	4.2	U	4.2	8.2	10.2	ug/L
129-00-0	Pyrene	6.8		1.1	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	4.1	5.1	ug/L
218-01-9	Chrysene	0.88	U	0.88	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	4.1	5.1	ug/L
90-12-0	1-Methylnaphthalene	6.5		0.88	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	59.205		10-139		39	SPK: -150
13127-88-3	Phenol-d6	37.474		10-134		25	SPK: -150
4165-60-0	Nitrobenzene-d5	89.834		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	82.979		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BF120224
Lab Sample ID:	P5021-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF140691.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.109		44-137		91	SPK: -150
1718-51-0	Terphenyl-d14	80.11		48-125		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82990	6.869				
1146-65-2	Naphthalene-d8	310195	8.151				
15067-26-2	Acenaphthene-d10	187284	9.904				
1517-22-2	Phenanthrene-d10	343851	11.398				
1719-03-5	Chrysene-d12	220062	14.045				
1520-96-3	Perylene-d12	186765	15.551				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J			2.152	
000594-60-5	2-Butanol, 2,3-dimethyl-	20	J			3.21	
019550-73-3	trans-3,4-Dimethylcyclopentanone	10.2	J			5.922	
001121-33-1	Cyclopentanone, 2,4-dimethyl-	14.5	J			6.204	
	unknown6.763	13	J			6.763	
000496-11-7	Indane	45.8	J			7.045	
000135-01-3	Benzene, 1,2-diethyl-	26	J			7.116	
	unknown7.204	24.3	J			7.204	
000597-43-3	2,2-Dimethylbutanedioic acid	77.9	J			7.593	
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	37.4	J			7.628	
	unknown7.804	13.8	J			7.804	
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	11.8	J			7.887	
000083-33-0	1H-Inden-1-one, 2,3-dihydro-	42.8	J			8.751	
	unknown9.475	29.4	J			9.475	
1000342-65-5	2,5-Dimethylphenylacetic acid	110	J			9.581	
006331-04-0	Acetic acid, (2,4-xylyl)-	24	J			9.704	
000528-90-5	Benzoic acid, 2,4,5-trimethyl-	34.2	J			9.792	
	unknown10.010	10	J			10.01	
006145-73-9	Tris(2-chloropropyl) phosphate	22.4	J			11.257	

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BF120224
Lab Sample ID:	P5021-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF140691.D	1	11/27/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	10.3	J			11.922	

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	MH-746-WC	SDG No.:	BF120224
Lab Sample ID:	P5048-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140692.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

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

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	MH-746-WC	SDG No.:	BF120224
Lab Sample ID:	P5048-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140692.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

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

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	MH-746-WC	SDG No.:	BF120224
Lab Sample ID:	P5048-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140692.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	144.682		10-139		96	SPK: -150
13127-88-3	Phenol-d6	140.986		10-134		94	SPK: -150
4165-60-0	Nitrobenzene-d5	102.718		49-133		103	SPK: -100
321-60-8	2-Fluorobiphenyl	102.396		52-132		102	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	MH-746-WC	SDG No.:	BF120224
Lab Sample ID:	P5048-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140692.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	157.955		44-137		105	SPK: -150
1718-51-0	Terphenyl-d14	89.447		48-125		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76782	6.869				
1146-65-2	Naphthalene-d8	290714	8.151				
15067-26-2	Acenaphthene-d10	163791	9.904				
1517-22-2	Phenanthrene-d10	321963	11.398				
1719-03-5	Chrysene-d12	187394	14.051				
1520-96-3	Perylene-d12	147072	15.556				

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF120224
Lab Sample ID:	P5005-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140693.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

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

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF120224
Lab Sample ID:	P5005-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140693.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

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

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF120224
Lab Sample ID:	P5005-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140693.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.674		10-139		89	SPK: -150
13127-88-3	Phenol-d6	129.717		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	95.38		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	94.865		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILE	SDG No.:	BF120224
Lab Sample ID:	P5005-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140693.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.116		44-137		97	SPK: -150
1718-51-0	Terphenyl-d14	99.961		48-125		100	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82177	6.869				
1146-65-2	Naphthalene-d8	316335	8.151				
15067-26-2	Acenaphthene-d10	182042	9.904				
1517-22-2	Phenanthrene-d10	350833	11.398				
1719-03-5	Chrysene-d12	198441	14.051				
1520-96-3	Perylene-d12	155443	15.551				

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF120224
Lab Sample ID:	P5005-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140694.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	58.1	J	40	80	100	ug/L
62-53-3	Aniline	260		16	40	50	ug/L
108-95-2	Phenol	420		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	460		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	400		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	400		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	400		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	480		16	80	100	ug/L
95-48-7	2-Methylphenol	470		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	470		13.5	40	50	ug/L
98-86-2	Acetophenone	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	460		14.8	25	25	ug/L
67-72-1	Hexachloroethane	390		10.1	40	50	ug/L
98-95-3	Nitrobenzene	430		12.7	40	50	ug/L
78-59-1	Isophorone	490		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	470		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	610		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	480		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	480		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	420		11	40	50	ug/L
65-85-0	Benzoic acid	450		54.7	80	100	ug/L
91-20-3	Naphthalene	440		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	160		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	400		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF120224
Lab Sample ID:	P5005-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140694.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	450		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	490		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	480		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1600	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	490		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	470		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	480		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	470		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	480		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	520		9.3	40	50	ug/L
208-96-8	Acenaphthylene	510		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	480		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	250		13.7	40	50	ug/L
83-32-9	Acenaphthene	480		8.1	40	50	ug/L
Total PAH	Total PAH	7990		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	980	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	830	E	20	80	100	ug/L
132-64-9	Dibenzofuran	480		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	970		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	490		15.2	40	50	ug/L
84-66-2	Diethylphthalate	510		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	480		9.8	40	50	ug/L
86-73-7	Fluorene	480		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	470		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	580		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	510		8.9	40	50	ug/L
103-33-3	Azobenzene	490		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	500		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	480		11.4	40	50	ug/L
1912-24-9	Atrazine	550		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF120224
Lab Sample ID:	P5005-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140694.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	510		8.9	40	50	ug/L
120-12-7	Anthracene	530		10.7	40	50	ug/L
86-74-8	Carbazole	500		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	540		14.7	40	50	ug/L
206-44-0	Fluoranthene	520		12.9	40	50	ug/L
92-87-5	Benzidine	66.5	J	40.7	80	100	ug/L
129-00-0	Pyrene	460		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	520		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	300		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	520		9.4	40	50	ug/L
218-01-9	Chrysene	510		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	570		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	640		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	510		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	530		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	550		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	500		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	490		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	450		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	390		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	570		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	460		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	117.404		10-139		78	SPK: -150
13127-88-3	Phenol-d6	111.436		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	83.85		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	85.603		52-132		86	SPK: -100

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMS	SDG No.:	BF120224
Lab Sample ID:	P5005-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140694.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.606		44-137		88	SPK: -150
1718-51-0	Terphenyl-d14	82.943		48-125		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89059	6.869				
1146-65-2	Naphthalene-d8	336588	8.151				
15067-26-2	Acenaphthene-d10	191004	9.91				
1517-22-2	Phenanthrene-d10	359896	11.398				
1719-03-5	Chrysene-d12	236032	14.057				
1520-96-3	Perylene-d12	197266	15.557				

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF120224
Lab Sample ID:	P5005-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140695.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	480		10.3	80	100	ug/L
110-86-1	Pyridine	410		15.5	40	50	ug/L
100-52-7	Benzaldehyde	61.6	J	40	80	100	ug/L
62-53-3	Aniline	300		16	40	50	ug/L
108-95-2	Phenol	490		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	510		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	530		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	460		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	450		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	560		16	80	100	ug/L
95-48-7	2-Methylphenol	540		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	530		13.5	40	50	ug/L
98-86-2	Acetophenone	500		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	550		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	530		14.8	25	25	ug/L
67-72-1	Hexachloroethane	440		10.1	40	50	ug/L
98-95-3	Nitrobenzene	480		12.7	40	50	ug/L
78-59-1	Isophorone	550		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	530		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	700		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	530		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	550		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	460		11	40	50	ug/L
65-85-0	Benzoic acid	520		54.7	80	100	ug/L
91-20-3	Naphthalene	490		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	190		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	440		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF120224
Lab Sample ID:	P5005-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140695.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	520		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	560		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	530		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1600	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	540		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	510		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	510		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	560		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	560		9.3	40	50	ug/L
208-96-8	Acenaphthylene	560		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	540		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	330		13.7	40	50	ug/L
83-32-9	Acenaphthene	540		8.1	40	50	ug/L
Total PAH	Total PAH	8870		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	970	E	20	80	100	ug/L
132-64-9	Dibenzofuran	530		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	100		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	40	50	ug/L
84-66-2	Diethylphthalate	540		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	530		9.8	40	50	ug/L
86-73-7	Fluorene	540		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	540		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	620		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	560		8.9	40	50	ug/L
103-33-3	Azobenzene	550		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	540		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	530		11.4	40	50	ug/L
1912-24-9	Atrazine	590		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF120224
Lab Sample ID:	P5005-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140695.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	560		8.9	40	50	ug/L
120-12-7	Anthracene	590		10.7	40	50	ug/L
86-74-8	Carbazole	560		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	560		14.7	40	50	ug/L
206-44-0	Fluoranthene	570		12.9	40	50	ug/L
92-87-5	Benzidine	79.6	J	40.7	80	100	ug/L
129-00-0	Pyrene	550		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	580		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	360		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	580		9.4	40	50	ug/L
218-01-9	Chrysene	570		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	590		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	610		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	580		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	550		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	600		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	550		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	540		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	500		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	500		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	460		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	620		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	500		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134.439		10-139		90	SPK: -150
13127-88-3	Phenol-d6	128.871		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	95.233		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	92.332		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	11/26/2024 12:00:00 AM
Project:		Date Received:	11/26/2024 12:00:00 AM
Client Sample ID:	STOCK-PILEMSD	SDG No.:	BF120224
Lab Sample ID:	P5005-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140695.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.442		44-137		98	SPK: -150
1718-51-0	Terphenyl-d14	94.761		48-125		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79872	6.869				
1146-65-2	Naphthalene-d8	306759	8.151				
15067-26-2	Acenaphthene-d10	176975	9.91				
1517-22-2	Phenanthrene-d10	336744	11.398				
1719-03-5	Chrysene-d12	200045	14.051				
1520-96-3	Perylene-d12	168091	15.539				

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAM	SDG No.:	BF120224
Lab Sample ID:	P5026-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
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
BF140696.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	420	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	350	420	ug/Kg
62-53-3	Aniline	120	U	120	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	350	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.6	U	51.6	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.8	U	96.8	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	300	U	300	350	420	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAM	SDG No.:	BF120224
Lab Sample ID:	P5026-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
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
BF140696.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	350	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.3	U	99.3	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.5	U	91.5	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.8	U	94.8	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	170	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	170	220	ug/Kg
Total PAH	Total PAH	1690	U	1690	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	350	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	350	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg

Report of Analysis

Client:				Date Collected:	11/27/2024 12:00:00 AM		
Project:				Date Received:	11/27/2024 12:00:00 AM		
Client Sample ID:	SOIL-1-HAM			SDG No.:	BF120224		
Lab Sample ID:	P5026-05			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	22.2		
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140696.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	99.1	U	99.1	350	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	170	220	ug/Kg
120-12-7	Anthracene	110	U	110	170	220	ug/Kg
86-74-8	Carbazole	100	U	100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	100	U	100	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	420	ug/Kg
129-00-0	Pyrene	110	U	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	170	220	ug/Kg
218-01-9	Chrysene	100	U	100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.7	U	95.7	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.455		18-112		56	SPK: -150
13127-88-3	Phenol-d6	84.332		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	56.177		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	55.863		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAM	SDG No.:	BF120224
Lab Sample ID:	P5026-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
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
BF140696.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.047		10-116		51	SPK: -150
1718-51-0	Terphenyl-d14	52.183		10-105		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89859	6.869				
1146-65-2	Naphthalene-d8	339403	8.151				
15067-26-2	Acenaphthene-d10	182322	9.904				
1517-22-2	Phenanthrene-d10	341014	11.398				
1719-03-5	Chrysene-d12	197098	14.045				
1520-96-3	Perylene-d12	161533	15.539				

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMS	SDG No.:	BF120224
Lab Sample ID:	P5026-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140697.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1900		110	350	420	ug/Kg
110-86-1	Pyridine	2100		100	170	220	ug/Kg
100-52-7	Benzaldehyde	1100		230	350	420	ug/Kg
62-53-3	Aniline	1800		120	170	220	ug/Kg
108-95-2	Phenol	2100		110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		110	170	220	ug/Kg
95-57-8	2-Chlorophenol	2000		110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	2000		110	350	420	ug/Kg
95-48-7	2-Methylphenol	2000		100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000		120	170	220	ug/Kg
98-86-2	Acetophenone	1900		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	2000		100	350	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		51.7	100	100	ug/Kg
67-72-1	Hexachloroethane	1900		110	170	220	ug/Kg
98-95-3	Nitrobenzene	1800		120	170	220	ug/Kg
78-59-1	Isophorone	2000		110	170	220	ug/Kg
88-75-5	2-Nitrophenol	2000		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	2500		120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	2100		96.8	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		110	170	220	ug/Kg
65-85-0	Benzoic acid	1600		300	350	420	ug/Kg
91-20-3	Naphthalene	1900		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	750		110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	1800		110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMS	SDG No.:	BF120224
Lab Sample ID:	P5026-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140697.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2100		110	350	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		99.3	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	2000		110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6500	E	200	350	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		91.5	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		94.9	170	220	ug/Kg
92-52-4	1,1-Biphenyl	2000		110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	1900		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	2000		120	170	220	ug/Kg
131-11-3	Dimethylphthalate	2000		100	170	220	ug/Kg
208-96-8	Acenaphthylene	2100		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		110	170	220	ug/Kg
99-09-2	3-Nitroaniline	1200		110	170	220	ug/Kg
Total PAH	Total PAH	32500		1690	170	3520	ug/Kg
83-32-9	Acenaphthene	2000		100	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	310	350	420	ug/Kg
100-02-7	4-Nitrophenol	3700	E	150	350	420	ug/Kg
132-64-9	Dibenzofuran	2000		110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3900		220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		110	170	220	ug/Kg
84-66-2	Diethylphthalate	2000		100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		110	170	220	ug/Kg
86-73-7	Fluorene	2000		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	2000		140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		150	350	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		100	170	220	ug/Kg
103-33-3	Azobenzene	2200		100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	1900		110	170	220	ug/Kg
1912-24-9	Atrazine	2400		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMS	SDG No.:	BF120224
Lab Sample ID:	P5026-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140697.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3700	E	99.1	350	420	ug/Kg
85-01-8	Phenanthrene	2000		110	170	220	ug/Kg
120-12-7	Anthracene	2100		110	170	220	ug/Kg
86-74-8	Carbazole	2000		100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	2100		110	170	220	ug/Kg
206-44-0	Fluoranthene	2100		100	170	220	ug/Kg
92-87-5	Benzidine	1400		210	350	420	ug/Kg
129-00-0	Pyrene	2000		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	2100		120	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		130	350	420	ug/Kg
56-55-3	Benzo(a)anthracene	2100		100	170	220	ug/Kg
218-01-9	Chrysene	2000		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		140	350	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	2200		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		110	170	220	ug/Kg
123-91-1	1,4-Dioxane	1900		140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		95.8	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	1900		110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.397		18-112		53	SPK: -150
13127-88-3	Phenol-d6	77.231		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	51.253		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	49.676		20-109		50	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMS	SDG No.:	BF120224
Lab Sample ID:	P5026-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.08 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
BF140697.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.897		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	47.099		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86982	6.869				
1146-65-2	Naphthalene-d8	326220	8.151				
15067-26-2	Acenaphthene-d10	185319	9.91				
1517-22-2	Phenanthrene-d10	361245	11.398				
1719-03-5	Chrysene-d12	215378	14.051				
1520-96-3	Perylene-d12	179173	15.539				

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMSD	SDG No.:	BF120224
Lab Sample ID:	P5026-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140698.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2100		110	350	420	ug/Kg
110-86-1	Pyridine	2300		100	170	220	ug/Kg
100-52-7	Benzaldehyde	1300		230	350	420	ug/Kg
62-53-3	Aniline	2200		120	170	220	ug/Kg
108-95-2	Phenol	2400		110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2300		110	170	220	ug/Kg
95-57-8	2-Chlorophenol	2400		110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	2200		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	2200		110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	2200		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	2400		110	350	420	ug/Kg
95-48-7	2-Methylphenol	2300		100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2400		120	170	220	ug/Kg
98-86-2	Acetophenone	2100		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	2300		100	350	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2300		51.7	100	100	ug/Kg
67-72-1	Hexachloroethane	2200		110	170	220	ug/Kg
98-95-3	Nitrobenzene	2000		120	170	220	ug/Kg
78-59-1	Isophorone	2200		110	170	220	ug/Kg
88-75-5	2-Nitrophenol	2300		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	2900		120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2300		110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	2300		96.9	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2100		110	170	220	ug/Kg
65-85-0	Benzoic acid	1900		300	350	420	ug/Kg
91-20-3	Naphthalene	2200		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	890		110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	2100		110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMSD	SDG No.:	BF120224
Lab Sample ID:	P5026-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140698.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2400		110	350	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2300		99.4	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	2200		110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	7300	E	200	350	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		91.6	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		95	170	220	ug/Kg
92-52-4	1,1-Biphenyl	2200		110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	2200		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	2200		120	170	220	ug/Kg
131-11-3	Dimethylphthalate	2300		100	170	220	ug/Kg
208-96-8	Acenaphthylene	2300		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		110	170	220	ug/Kg
99-09-2	3-Nitroaniline	1400		110	170	220	ug/Kg
83-32-9	Acenaphthene	2200		100	170	220	ug/Kg
Total PAH	Total PAH	36700		1690	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	310	350	420	ug/Kg
100-02-7	4-Nitrophenol	4200	E	150	350	420	ug/Kg
132-64-9	Dibenzofuran	2200		110	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4400		220	170	440	ug/Kg
84-66-2	Diethylphthalate	2200		100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		110	170	220	ug/Kg
86-73-7	Fluorene	2200		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	2300		140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500		150	350	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		100	170	220	ug/Kg
103-33-3	Azobenzene	2400		100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2200		100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	2200		110	170	220	ug/Kg
1912-24-9	Atrazine	2700		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMSD	SDG No.:	BF120224
Lab Sample ID:	P5026-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140698.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4200	E	99.2	350	420	ug/Kg
85-01-8	Phenanthrene	2300		110	170	220	ug/Kg
120-12-7	Anthracene	2400		110	170	220	ug/Kg
86-74-8	Carbazole	2300		100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	2400		110	170	220	ug/Kg
206-44-0	Fluoranthene	2400		100	170	220	ug/Kg
92-87-5	Benzidine	1900		210	350	420	ug/Kg
129-00-0	Pyrene	2200		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	2300		120	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		130	350	420	ug/Kg
56-55-3	Benzo(a)anthracene	2300		100	170	220	ug/Kg
218-01-9	Chrysene	2300		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2400		120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	2400		140	350	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	2500		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	2700		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		110	170	220	ug/Kg
123-91-1	1,4-Dioxane	2100		140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2500		95.9	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	2100		110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.925		18-112		60	SPK: -150
13127-88-3	Phenol-d6	89.216		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	57.719		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	56.389		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SOIL-1-HAMMSD	SDG No.:	BF120224
Lab Sample ID:	P5026-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140698.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	87.872		10-116		59	SPK: -150
1718-51-0	Terphenyl-d14	51.24		10-105		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79657	6.869				
1146-65-2	Naphthalene-d8	312268	8.151				
15067-26-2	Acenaphthene-d10	178661	9.91				
1517-22-2	Phenanthrene-d10	336781	11.398				
1719-03-5	Chrysene-d12	217135	14.051				
1520-96-3	Perylene-d12	164773	15.539				

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SU-04-11222024	SDG No.:	BF120224
Lab Sample ID:	P5045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
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
BF140699.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.9	U	56.9	180	220	ug/Kg
110-86-1	Pyridine	52.4	U	52.4	85.2	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.5	U	63.5	85.2	110	ug/Kg
108-95-2	Phenol	54.3	U	54.3	85.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.9	U	54.9	85.2	110	ug/Kg
95-57-8	2-Chlorophenol	54.7	U	54.7	85.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.4	U	55.4	85.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.4	U	56.4	85.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.7	U	56.7	85.2	110	ug/Kg
100-51-6	Benzyl Alcohol	54.4	U	54.4	180	220	ug/Kg
95-48-7	2-Methylphenol	52.8	U	52.8	85.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.6	U	59.6	85.2	110	ug/Kg
98-86-2	Acetophenone	57	U	57	85.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.3	U	52.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.4	U	26.4	52.4	52.4	ug/Kg
67-72-1	Hexachloroethane	54.4	U	54.4	85.2	110	ug/Kg
98-95-3	Nitrobenzene	59.5	U	59.5	85.2	110	ug/Kg
78-59-1	Isophorone	55.4	U	55.4	85.2	110	ug/Kg
88-75-5	2-Nitrophenol	61.9	U	61.9	85.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.1	U	61.1	85.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.2	U	56.2	85.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.5	U	49.5	85.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56	U	56	85.2	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.1	U	54.1	85.2	110	ug/Kg
106-47-8	4-Chloroaniline	54.1	U	54.1	85.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.6	U	54.6	85.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SU-04-11222024	SDG No.:	BF120224
Lab Sample ID:	P5045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
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
BF140699.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.9	U	56.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.8	U	50.8	85.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.1	U	54.1	85.2	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.8	U	46.8	85.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.5	U	48.5	85.2	110	ug/Kg
92-52-4	1,1-Biphenyl	57.3	U	57.3	85.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.6	U	54.6	85.2	110	ug/Kg
88-74-4	2-Nitroaniline	62.3	U	62.3	85.2	110	ug/Kg
131-11-3	Dimethylphthalate	53.5	U	53.5	85.2	110	ug/Kg
208-96-8	Acenaphthylene	56.7	U	56.7	85.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.5	U	54.5	85.2	110	ug/Kg
99-09-2	3-Nitroaniline	58.5	U	58.5	85.2	110	ug/Kg
83-32-9	Acenaphthene	78.5	J	53.2	85.2	110	ug/Kg
Total PAH	Total PAH	10530.7		868.5	85.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76	U	76	180	220	ug/Kg
132-64-9	Dibenzofuran	55.3	U	55.3	85.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11	U	111	85.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.5	U	56.5	85.2	110	ug/Kg
84-66-2	Diethylphthalate	52.5	U	52.5	85.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.1	U	56.1	85.2	110	ug/Kg
86-73-7	Fluorene	92.2	J	56	85.2	110	ug/Kg
100-01-6	4-Nitroaniline	70.1	U	70.1	85.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.7	U	76.7	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.5	U	53.5	85.2	110	ug/Kg
103-33-3	Azobenzene	52.2	U	52.2	85.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.7	U	51.7	85.2	110	ug/Kg
118-74-1	Hexachlorobenzene	55.7	U	55.7	85.2	110	ug/Kg
1912-24-9	Atrazine	59.9	U	59.9	85.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SU-04-11222024	SDG No.:	BF120224
Lab Sample ID:	P5045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.08 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
BF140699.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.7	U	50.7	180	220	ug/Kg
85-01-8	Phenanthrene	840		55.1	85.2	110	ug/Kg
120-12-7	Anthracene	310		55.3	85.2	110	ug/Kg
86-74-8	Carbazole	52.6	U	52.6	85.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.3	U	55.3	85.2	110	ug/Kg
206-44-0	Fluoranthene	1800	E	53.5	85.2	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	1500		54.4	85.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.4	U	63.4	85.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.6	U	64.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		52.9	85.2	110	ug/Kg
218-01-9	Chrysene	940		52.1	85.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.6	U	59.6	85.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.1	U	72.1	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		53.2	85.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	460		54.1	85.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		61	85.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	410		51.2	85.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130		53.2	85.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	470		52.5	85.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.9	U	56.9	85.2	110	ug/Kg
123-91-1	1,4-Dioxane	72.1	U	72.1	85.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49	U	49	85.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.5	U	54.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.263		18-112		61	SPK: -150
13127-88-3	Phenol-d6	90.833		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	60.647		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	61.002		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SU-04-11222024	SDG No.:	BF120224
Lab Sample ID:	P5045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
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
BF140699.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.932		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	54.065		10-105		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91280	6.869				
1146-65-2	Naphthalene-d8	348470	8.151				
15067-26-2	Acenaphthene-d10	187361	9.904				
1517-22-2	Phenanthrene-d10	311278	11.398				
1719-03-5	Chrysene-d12	178689	14.045				
1520-96-3	Perylene-d12	166236	15.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	980	J			2.158	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A			5.093	
000544-76-3	Hexadecane	110	J			10.328	
000119-61-9	Benzophenone	170	J			10.616	
000629-50-5	Tridecane	200	J			10.804	
000629-62-9	Pentadecane	120	J			11.245	
000132-65-0	Dibenzothiophene	120	J			11.286	
055045-10-8	Tridecane, 6-propyl-	94.6	J			11.675	
000613-12-7	Anthracene, 2-methyl-	110	J			11.898	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	270	J			11.928	
002531-84-2	Phenanthrene, 2-methyl-	100	J			11.975	
000203-64-5	4H-Cyclopenta[def]phenanthrene	370	J			12.01	
003674-66-6	Phenanthrene, 2,5-dimethyl-	120	J			12.445	
	unknown12.480	140	J			12.48	
005737-13-3	Cyclopenta(def)phenanthrenone	120	J			12.539	
000243-17-4	11H-Benzo[b]fluorene	110	J			13.169	
1000080-17-7	7,12-Dihydrobenzo[k]fluoranthene	96.1	J			14.939	
000192-97-2	Benzo[e]pyrene	180	J			15.21	
000198-55-0	Perylene	590	J			15.41	

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	SU-04-11222024	SDG No.:	BF120224
Lab Sample ID:	P5045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.08 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
BF140699.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000191-26-4	Dibenzo[def,mno]chrysene	180	J			17.757	

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	HD-01-11272024	SDG No.:	BF120224
Lab Sample ID:	P5046-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF140700.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.5	U	58.5	180	220	ug/Kg
110-86-1	Pyridine	53.8	U	53.8	87.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.3	U	65.3	87.6	110	ug/Kg
108-95-2	Phenol	55.8	U	55.8	87.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.4	U	56.4	87.6	110	ug/Kg
95-57-8	2-Chlorophenol	56.2	U	56.2	87.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	57	U	57	87.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.9	U	57.9	87.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.3	U	58.3	87.6	110	ug/Kg
100-51-6	Benzyl Alcohol	55.9	U	55.9	180	220	ug/Kg
95-48-7	2-Methylphenol	54.3	U	54.3	87.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.2	U	61.2	87.6	110	ug/Kg
98-86-2	Acetophenone	58.5	U	58.5	87.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.8	U	53.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.1	U	27.1	53.9	53.9	ug/Kg
67-72-1	Hexachloroethane	55.9	U	55.9	87.6	110	ug/Kg
98-95-3	Nitrobenzene	61.2	U	61.2	87.6	110	ug/Kg
78-59-1	Isophorone	57	U	57	87.6	110	ug/Kg
88-75-5	2-Nitrophenol	63.7	U	63.7	87.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.8	U	62.8	87.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.8	U	57.8	87.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.9	U	50.9	87.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.5	U	57.5	87.6	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.6	U	55.6	87.6	110	ug/Kg
106-47-8	4-Chloroaniline	55.6	U	55.6	87.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.1	U	56.1	87.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	HD-01-11272024	SDG No.:	BF120224
Lab Sample ID:	P5046-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF140700.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.5	U	58.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.2	U	52.2	87.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	55.6	U	55.6	87.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.1	U	48.1	87.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49.8	U	49.8	87.6	110	ug/Kg
92-52-4	1,1-Biphenyl	58.9	U	58.9	87.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.1	U	56.1	87.6	110	ug/Kg
88-74-4	2-Nitroaniline	64	U	64	87.6	110	ug/Kg
131-11-3	Dimethylphthalate	55	U	55	87.6	110	ug/Kg
208-96-8	Acenaphthylene	58.3	U	58.3	87.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	56	U	56	87.6	110	ug/Kg
99-09-2	3-Nitroaniline	60.1	U	60.1	87.6	110	ug/Kg
83-32-9	Acenaphthene	54.6	U	54.6	87.6	110	ug/Kg
Total PAH	Total PAH	892.6	U	892.6	87.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.1	U	78.1	180	220	ug/Kg
132-64-9	Dibenzofuran	56.9	U	56.9	87.6	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.1	U	58.1	87.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.1	U	114.1	87.6	220	ug/Kg
84-66-2	Diethylphthalate	54	U	54	87.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.7	U	57.7	87.6	110	ug/Kg
86-73-7	Fluorene	57.6	U	57.6	87.6	110	ug/Kg
100-01-6	4-Nitroaniline	72.1	U	72.1	87.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.8	U	78.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55	U	55	87.6	110	ug/Kg
103-33-3	Azobenzene	53.6	U	53.6	87.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.1	U	53.1	87.6	110	ug/Kg
118-74-1	Hexachlorobenzene	57.3	U	57.3	87.6	110	ug/Kg
1912-24-9	Atrazine	61.6	U	61.6	87.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	HD-01-11272024	SDG No.:	BF120224
Lab Sample ID:	P5046-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF140700.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.1	U	52.1	180	220	ug/Kg
85-01-8	Phenanthrene	56.6	U	56.6	87.6	110	ug/Kg
120-12-7	Anthracene	56.9	U	56.9	87.6	110	ug/Kg
86-74-8	Carbazole	54.1	U	54.1	87.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.8	U	56.8	87.6	110	ug/Kg
206-44-0	Fluoranthene	55	U	55	87.6	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	55.9	U	55.9	87.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.2	U	65.2	87.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.4	U	66.4	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.4	U	54.4	87.6	110	ug/Kg
218-01-9	Chrysene	53.6	U	53.6	87.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.3	U	61.3	87.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	74.1	U	74.1	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.6	U	54.6	87.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.6	U	55.6	87.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.6	U	62.6	87.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52.6	U	52.6	87.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.7	U	54.7	87.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54	U	54	87.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.5	U	58.5	87.6	110	ug/Kg
123-91-1	1,4-Dioxane	74.1	U	74.1	87.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.3	U	50.3	87.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	56	U	56	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.479		18-112		54	SPK: -150
13127-88-3	Phenol-d6	78.775		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	54.391		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	61.035		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	11/27/2024 12:00:00 AM
Project:		Date Received:	11/27/2024 12:00:00 AM
Client Sample ID:	HD-01-11272024	SDG No.:	BF120224
Lab Sample ID:	P5046-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF140700.D	1	12/2/2024 12:00:00 AM	12/2/2024 12:00:00 AM	PB165312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	68.887		10-116		46	SPK: -150
1718-51-0	Terphenyl-d14	46.359		10-105		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90524	6.869				
1146-65-2	Naphthalene-d8	334601	8.151				
15067-26-2	Acenaphthene-d10	161933	9.904				
1517-22-2	Phenanthrene-d10	249678	11.398				
1719-03-5	Chrysene-d12	153987	14.045				
1520-96-3	Perylene-d12	120536	15.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	990	J			2.146	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	80.4	A			5.093	
000119-61-9	Benzophenone	140	J			10.616	
000057-10-3	n-Hexadecanoic acid	87.3	J			11.916	
000629-62-9	Pentadecane	83.3	J			12.469	
000296-56-0	Cycloeicosane	190	J			13.874	

Hit Summary Sheet SW-846

SDG No.: BF120224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : TW-WTS-02								
P5006-18	TW-WTS-02	Water	Benzophenone	*	5.400	J		
P5006-18	TW-WTS-02	Water	Butane, 2-methoxy-2-methyl-	*	170.000	J		
			Total Tics :		175.40			
			Total Concentration:		175.40			
Client ID : MW-06								
P5021-01	MW-06	Water	1H-Inden-1-one, 2,3-dihydro-	*	42.800	J		
P5021-01	MW-06	Water	2,2-Dimethylbutanedioic acid	*	77.900	J		
P5021-01	MW-06	Water	2,5-Dimethylphenylacetic acid	*	110.000	J		
P5021-01	MW-06	Water	2-Butanol, 2,3-dimethyl-	*	20.000	J		
P5021-01	MW-06	Water	Acetic acid, (2,4-xylyl)-	*	24.000	J		
P5021-01	MW-06	Water	Benzene, 1,2,4,5-tetramethyl-	*	37.400	J		
P5021-01	MW-06	Water	Benzene, 1,2-diethyl-	*	26.000	J		
P5021-01	MW-06	Water	Benzene, 2-ethenyl-1,4-dimethyl-	*	11.800	J		
P5021-01	MW-06	Water	Benzoic acid, 2,4,5-trimethyl-	*	34.200	J		
P5021-01	MW-06	Water	Butane, 2-methoxy-2-methyl-	*	120.000	J		
P5021-01	MW-06	Water	Cyclopentanone, 2,4-dimethyl-	*	14.500	J		
P5021-01	MW-06	Water	Indane	*	45.800	J		
P5021-01	MW-06	Water	n-Hexadecanoic acid	*	10.300	J		
P5021-01	MW-06	Water	trans-3,4-Dimethylcyclopentanone	*	10.200	J		
P5021-01	MW-06	Water	Tris(2-chloropropyl) phosphate	*	22.400	J		
P5021-01	MW-06	Water	unknown10.010	*	10.000	J		
P5021-01	MW-06	Water	unknown6.763	*	13.000	J		
P5021-01	MW-06	Water	unknown7.204	*	24.300	J		
P5021-01	MW-06	Water	unknown7.804	*	13.800	J		
P5021-01	MW-06	Water	unknown9.475	*	29.400	J		
			Total Tics :		697.80			
P5021-01	MW-06	Water	1-Methylnaphthalene		6.500		0.88	5.1 ug/L
P5021-01	MW-06	Water	Acenaphthene		11.800		0.83	5.1 ug/L
P5021-01	MW-06	Water	Anthracene		2.700	J	1.1	5.1 ug/L
P5021-01	MW-06	Water	Carbazole		10.400		1.2	5.1 ug/L
P5021-01	MW-06	Water	Dibenzofuran		5.700		0.95	5.1 ug/L
P5021-01	MW-06	Water	Fluoranthene		8.900		1.3	5.1 ug/L
P5021-01	MW-06	Water	Fluorene		5.200		0.98	5.1 ug/L
P5021-01	MW-06	Water	Naphthalene		21.300		1	5.1 ug/L
P5021-01	MW-06	Water	Pyrene		6.800		1.1	5.1 ug/L
P5021-01	MW-06	Water	Total PAH		56.700	J	17.66	81.6 ug/L
			Total Svoc :		136.00			

Hit Summary Sheet SW-846

SDG No.: BF120224

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Total Concentration:							833.80		
Client ID : MW-11									
P5021-04	MW-11	Water	Butane, 2-methoxy-2-methyl-	*	130.000	J			
P5021-04	MW-11	Water	Propane, 1,1-dimethoxy-	*	2.100	J			
P5021-04	MW-11	Water	Trifluoroacetoxy hexadecane	*	2.300	J			
Total Tics :							134.40		
Total Concentration:							134.40		
Client ID : MW-13									
P5021-05	MW-13	Water	3-Methylphenylacetylene	*	4.200	J			
P5021-05	MW-13	Water	Benzene, 1,2,3-trimethyl-	*	3.200	J			
P5021-05	MW-13	Water	Benzene, 1-ethyl-2,3-dimethyl-	*	4.400	J			
P5021-05	MW-13	Water	Benzene, 1-ethyl-2-methyl-	*	7.100	J			
P5021-05	MW-13	Water	Benzene, 1-ethyl-4-methyl-	*	2.500	J			
P5021-05	MW-13	Water	Benzene, 2-ethenyl-1,4-dimethyl-	*	5.200	J			
P5021-05	MW-13	Water	Butane, 2-methoxy-2-methyl-	*	130.000	J			
P5021-05	MW-13	Water	Indane	*	9.800	J			
P5021-05	MW-13	Water	n-Hexadecanoic acid	*	4.800	J			
Total Tics :							171.20		
Total Concentration:							171.20		
Client ID : SU-04-11222024									
P5045-01	SU-04-11222024	Solid	11H-Benzo[b]fluorene	*	110.000	J			
P5045-01	SU-04-11222024	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	270.000	J			
P5045-01	SU-04-11222024	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	100.000	A			
P5045-01	SU-04-11222024	Solid	4H-Cyclopenta[def]phenanthrene	*	370.000	J			
P5045-01	SU-04-11222024	Solid	7,12-Dihydrobenzo[k]fluoranthene	*	96.100	J			
P5045-01	SU-04-11222024	Solid	Anthracene, 2-methyl-	*	110.000	J			
P5045-01	SU-04-11222024	Solid	Benzo[e]pyrene	*	180.000	J			
P5045-01	SU-04-11222024	Solid	Benzophenone	*	170.000	J			
P5045-01	SU-04-11222024	Solid	Butane, 2-methoxy-2-methyl-	*	980.000	J			
P5045-01	SU-04-11222024	Solid	Cyclopenta(def)phenanthrenone	*	120.000	J			
P5045-01	SU-04-11222024	Solid	Dibenzo[def,mno]chrysene	*	180.000	J			
P5045-01	SU-04-11222024	Solid	Dibenzothiophene	*	120.000	J			
P5045-01	SU-04-11222024	Solid	Hexadecane	*	110.000	J			
P5045-01	SU-04-11222024	Solid	Pentadecane	*	120.000	J			
P5045-01	SU-04-11222024	Solid	Perylene	*	590.000	J			
P5045-01	SU-04-11222024	Solid	Phenanthrene, 2,5-dimethyl-	*	120.000	J			
P5045-01	SU-04-11222024	Solid	Phenanthrene, 2-methyl-	*	100.000	J			
P5045-01	SU-04-11222024	Solid	Tridecane	*	200.000	J			
P5045-01	SU-04-11222024	Solid	Tridecane, 6-propyl-	*	94.600	J			

Hit Summary Sheet SW-846

SDG No.: BF120224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5045-01	SU-04-11222024	Solid	unknown12.480	*	140.000	J		
Total Tics :					4,280.70			
P5045-01	SU-04-11222024	Solid	Acenaphthene	78.500	J	53.2	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Anthracene	310.000		55.3	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Benzo(a)anthracene	1,100.000		52.9	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Benzo(a)pyrene	1,100.000		61	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Benzo(b)fluoranthene	1,300.000		53.2	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Benzo(g,h,i)perylene	470.000		52.5	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Benzo(k)fluoranthene	460.000		54.1	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Chrysene	940.000		52.1	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Dibenzo(a,h)anthracene	130.000		53.2	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Fluoranthene	1,800.000	E	53.5	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Fluorene	92.200	J	56	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Indeno(1,2,3-cd)pyrene	410.000		51.2	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Phenanthrene	840.000		55.1	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Pyrene	1,500.000		54.4	110	ug/Kg
P5045-01	SU-04-11222024	Solid	Total PAH	10,530.000		868.5	1760	ug/Kg
Total Svoc :					21,060.70			
Total Concentration:					25,341.40			

Client ID : HD-01-11272024

P5046-01	HD-01-11272024	Solid	2-Pentanone, 4-hydroxy-4-methyl *	80.400	A			
P5046-01	HD-01-11272024	Solid	Benzophenone *	140.000	J			
P5046-01	HD-01-11272024	Solid	Butane, 2-methoxy-2-methyl- *	990.000	J			
P5046-01	HD-01-11272024	Solid	Cycloeicosane *	190.000	J			
P5046-01	HD-01-11272024	Solid	n-Hexadecanoic acid *	87.300	J			
P5046-01	HD-01-11272024	Solid	Pentadecane *	83.300	J			
Total Tics :					1,571.00			
Total Concentration:					1,571.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF112124 SAS No.: BF112124 SDG No.: BF112124
Instrument ID: _____ Calibration Date(s): 11/21/2024
Calibration Time(s): 11:13

LAB FILE ID:		RRF2.5 = BF140528.D			RRF005 = BF140529.D		RRF010 = BF140530.D	
		RRF020 = BF140531.D			RRF040 = BF140532.D		RRF050 = BF140533.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.616	0.611	0.661	0.648	0.632	0.637	3.1
Pyridine		0.981	1.019	1.121	1.192	1.062	1.084	6.5
2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.172	5.4
Benzaldehyde			1.007	0.970	0.738	0.752	0.820	19.6
Aniline		1.159	1.195	1.133	1.251	1.042	1.091	12.7
Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.550	7.1
Phenol		1.723	1.648	1.620	1.667	1.514	1.583	7.0
bis(2-Chloroethyl)ether		1.292	1.242	1.214	1.246	1.146	1.211	4.6
2-Chlorophenol		1.385	1.328	1.278	1.283	1.201	1.261	6.5
1,2-Dichlorobenzene		1.503	1.434	1.375	1.355	1.268	1.344	7.7
1,3-Dichlorobenzene		1.600	1.493	1.433	1.399	1.345	1.417	7.3
1,4-Dichlorobenzene		1.613	1.501	1.456	1.428	1.358	1.435	7.0
Benzyl Alcohol		1.234	1.174	1.161	1.224	1.113	1.149	6.0
2-Methylphenol		1.121	1.034	1.033	1.042	0.956	1.010	6.7
2,2-oxybis(1-Chloropropane)		1.650	1.480	1.434	1.463	1.335	1.431	8.4
Acetophenone		0.536	0.511	0.494	0.481	0.463	0.488	5.7
3+4-Methylphenols		1.495	1.362	1.305	1.347	1.211	1.298	9.0
n-Nitroso-di-n-propylamine	0.972	1.002	0.949	0.916	0.946	0.856	0.916	6.8
Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.391	3.2
Hexachloroethane		0.598	0.545	0.549	0.537	0.514	0.536	6.2
Nitrobenzene		0.439	0.409	0.409	0.401	0.388	0.404	4.3
Isophorone		0.694	0.654	0.657	0.662	0.629	0.652	3.4
2-Nitrophenol		0.178	0.172	0.185	0.180	0.178	0.179	2.2
2,4-Dimethylphenol		0.221	0.214	0.213	0.224	0.204	0.214	3.4
bis(2-Chloroethoxy)methane		0.428	0.408	0.403	0.397	0.378	0.397	4.4
2,4-Dichlorophenol		0.301	0.291	0.290	0.282	0.277	0.284	3.8
1,2,4-Trichlorobenzene		0.342	0.338	0.332	0.317	0.317	0.324	3.9
Benzoic acid			0.101	0.126	0.177	0.185	0.164	24.7
Naphthalene		1.116	1.075	1.062	1.013	0.993	1.030	5.3
4-Chloroaniline		0.308	0.318	0.309	0.325	0.303	0.308	3.7
Hexachlorobutadiene		0.227	0.225	0.219	0.212	0.209	0.215	4.2
Caprolactam		0.091	0.091	0.091	0.090	0.085	0.088	4.0
4-Chloro-3-methylphenol		0.348	0.318	0.317	0.327	0.307	0.318	5.0
2-Methylnaphthalene		0.724	0.680	0.669	0.650	0.623	0.654	6.1
Hexachlorocyclopentadiene			0.055	0.090	0.114	0.121	0.107	27.8
2,4,6-Trichlorophenol		0.384	0.358	0.375	0.366	0.364	0.367	2.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF112124 SAS No.: BF112124 SDG No.: BF112124
Instrument ID: _____ Calibration Date(s): 11/21/2024
Calibration Time(s): 11:13

LAB FILE ID:		RRF2.5 = BF140528.D		RRF005 = BF140529.D		RRF010 = BF140530.D		
		RRF020 = BF140531.D		RRF040 = BF140532.D		RRF050 = BF140533.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.550	1.402	1.423	1.291	1.255	1.342	8.9
2,4,5-Trichlorophenol		0.402	0.396	0.410	0.404	0.390	0.399	1.8
1,1-Biphenyl		1.666	1.530	1.563	1.447	1.427	1.493	6.5
2-Chloronaphthalene		1.251	1.145	1.162	1.106	1.082	1.131	5.4
2-Nitroaniline		0.367	0.351	0.379	0.367	0.363	0.363	2.5
Dimethylphthalate		1.455	1.329	1.346	1.299	1.267	1.317	5.3
Acenaphthylene		1.890	1.765	1.808	1.662	1.628	1.710	6.6
2,6-Dinitrotoluene		0.314	0.299	0.307	0.301	0.291	0.299	3.2
3-Nitroaniline		0.307	0.297	0.309	0.300	0.289	0.292	5.7
Acenaphthene		1.182	1.110	1.134	1.063	1.052	1.086	5.3
2,4-Dinitrophenol			0.057	0.089	0.140	0.145	0.122	32.7
4-Nitrophenol			0.160	0.195	0.207	0.212	0.199	10.3
Dibenzofuran		1.898	1.739	1.739	1.622	1.559	1.657	8.5
2,4-Dinitrotoluene		0.403	0.403	0.416	0.404	0.386	0.397	3.2
Diethylphthalate		1.495	1.375	1.393	1.311	1.292	1.338	6.7
4-Chlorophenyl-phenylether		0.739	0.682	0.685	0.639	0.619	0.653	7.9
Fluorene		1.509	1.409	1.399	1.295	1.263	1.330	8.4
4-Nitroaniline		0.307	0.301	0.315	0.312	0.310	0.306	2.7
4,6-Dinitro-2-methylphenol			0.073	0.090	0.110	0.110	0.102	16.7
n-Nitrosodiphenylamine		0.632	0.618	0.597	0.578	0.577	0.591	4.4
Azobenzene		1.406	1.320	1.320	1.235	1.205	1.267	6.5
2,4,6-Tribromophenol		0.222	0.209	0.220	0.216	0.210	0.214	2.5
4-Bromophenyl-phenylether		0.218	0.215	0.206	0.200	0.200	0.206	3.8
Hexachlorobenzene		0.257	0.240	0.239	0.233	0.232	0.238	3.7
Atrazine		0.181	0.171	0.131	0.140	0.147	0.166	16.4
Pentachlorophenol			0.071	0.090	0.116	0.115	0.105	19.2
Phenanthrene		1.074	1.020	0.970	0.944	0.925	0.961	6.9
Anthracene		1.038	0.994	0.958	0.925	0.905	0.940	6.5
Carbazole		1.004	0.949	0.930	0.889	0.876	0.905	6.7
Di-n-butylphthalate		1.144	1.075	1.074	1.023	1.021	1.044	5.6
Fluoranthene		1.186	1.111	1.114	1.014	0.999	1.044	9.1
Benzidine		0.268	0.422	0.296	0.575	0.734	0.581	47.3
Pyrene		1.905	1.801	1.897	1.853	1.791	1.849	2.8
Terphenyl-d14		1.351	1.254	1.308	1.283	1.228	1.284	3.3
Butylbenzylphthalate		0.676	0.644	0.694	0.679	0.655	0.666	3.0
3,3-Dichlorobenzidine		0.375	0.383	0.393	0.413	0.406	0.397	4.0

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.: BF112124 SAS No.: BF112124 SDG No.: BF112124
Instrument ID: _____ Calibration Date(s): 11/21/2024
Calibration Time(s): 11:13

LAB FILE ID:		RRF2.5 = BF140528.D			RRF005 = BF140529.D		RRF010 = BF140530.D	
		RRF020 = BF140531.D			RRF040 = BF140532.D		RRF050 = BF140533.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.409	1.319	1.379	1.286	1.295	1.324	4.3
Chrysene		1.354	1.263	1.218	1.201	1.137	1.211	6.5
Bis(2-ethylhexyl)phthalate		0.904	0.828	0.862	0.833	0.824	0.841	4.0
Di-n-octyl phthalate		1.198	1.133	1.147	1.132	1.147	1.150	2.3
Benzo(b)fluoranthene		1.347	1.256	1.380	1.186	1.248	1.256	6.4
Benzo(k)fluoranthene		1.243	1.236	1.059	1.101	1.022	1.099	9.3
Benzo(a)pyrene		1.062	1.050	1.063	1.007	0.998	1.021	3.8
Indeno(1,2,3-cd)pyrene		1.209	1.283	1.299	1.304	1.306	1.303	4.5
Dibenzo(a,h)anthracene		1.015	1.038	1.063	1.068	1.075	1.067	3.9
Benzo(g,h,i)perylene		1.033	1.090	1.078	1.085	1.094	1.089	3.5
1,2,4,5-Tetrachlorobenzene		0.635	0.604	0.606	0.563	0.561	0.586	5.0
1,4-Dioxane		0.501	0.502	0.576	0.489	0.452	0.493	8.5
2,3,4,6-Tetrachlorophenol		0.307	0.296	0.308	0.312	0.305	0.306	1.7
1-Methylnaphthalene		0.707	0.665	0.659	0.638	0.611	0.641	6.0

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.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140532.D Time Analyzed: 10:57

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	107516	6.875	413408	8.16	234407	9.92
	UPPER LIMIT	215032	7.375	826816	8.657	468814	10.416
	LOWER LIMIT	53758	6.375	206704	7.657	117203.5	9.416
	EPA SAMPLE NO.						
01	PB165296BL	73230	6.87	279727	8.15	158263	9.90
02	PB165296BS	84060	6.87	323501	8.15	181370	9.91
03	PB165296BSD	80604	6.87	308077	8.15	176945	9.91
04	PB165294BL	79973	6.87	298135	8.15	166068	9.90
05	PB165294BS	73424	6.87	289038	8.15	165983	9.91
06	PB165248TB	85884	6.87	327246	8.15	182780	9.90
07	MW-13	82130	6.87	307028	8.15	174760	9.90
08	MW-11	78955	6.87	302257	8.15	171220	9.90
09	TW-WTS-02	75537	6.87	287073	8.15	167519	9.90
10	MW-06	82990	6.87	310195	8.15	187284	9.90
11	MH-746-WC	76782	6.87	290714	8.15	163791	9.90
12	STOCK-PILE	82177	6.87	316335	8.15	182042	9.90
13	STOCK-PILEMS	89059	6.87	336588	8.15	191004	9.91
14	STOCK-PILEMSD	79872	6.87	306759	8.15	176975	9.91
15	SOIL-1-HAM	89859	6.87	339403	8.15	182322	9.90
16	SOIL-1-HAMMS	86982	6.87	326220	8.15	185319	9.91
17	SOIL-1-HAMMSD	79657	6.87	312268	8.15	178661	9.91
18	SU-04-11222024	91280	6.87	348470	8.15	187361	9.90
19	HD-01-11272024	90524	6.87	334601	8.15	161933	9.90

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140532.D Time Analyzed: 20:16

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	107516	6.875	413408	8.16	234407	9.92
UPPER LIMIT	215032	7.375	826816	8.657	468814	10.416
LOWER LIMIT	53758	6.375	206704	7.657	117203.5	9.416
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.



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDCCC040

Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140681.D

Time Analyzed: 10:57

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	83338	6.869	303615	8.15	170338	9.91
	UPPER LIMIT	166676	7.369	607230	8.651	340676	10.41
	LOWER LIMIT	41669	6.369	151807.5	7.651	85169	9.41
	EPA SAMPLE NO.						
01	PB165296BL	73230	6.87	279727	8.15	158263	9.90
02	PB165296BS	84060	6.87	323501	8.15	181370	9.91
03	PB165296BSD	80604	6.87	308077	8.15	176945	9.91
04	PB165294BL	79973	6.87	298135	8.15	166068	9.90
05	PB165294BS	73424	6.87	289038	8.15	165983	9.91
06	PB165248TB	85884	6.87	327246	8.15	182780	9.90
07	MW-13	82130	6.87	307028	8.15	174760	9.90
08	MW-11	78955	6.87	302257	8.15	171220	9.90
09	TW-WTS-02	75537	6.87	287073	8.15	167519	9.90
10	MW-06	82990	6.87	310195	8.15	187284	9.90
11	MH-746-WC	76782	6.87	290714	8.15	163791	9.90
12	STOCK-PILE	82177	6.87	316335	8.15	182042	9.90
13	STOCK-PILEMS	89059	6.87	336588	8.15	191004	9.91
14	STOCK-PILEMSD	79872	6.87	306759	8.15	176975	9.91
15	SOIL-1-HAM	89859	6.87	339403	8.15	182322	9.90
16	SOIL-1-HAMMS	86982	6.87	326220	8.15	185319	9.91
17	SOIL-1-HAMMSD	79657	6.87	312268	8.15	178661	9.91
18	SU-04-11222024	91280	6.87	348470	8.15	187361	9.90
19	HD-01-11272024	90524	6.87	334601	8.15	161933	9.90

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140681.D Time Analyzed: 20:16

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	83338	6.869	303615	8.15	170338	9.91
UPPER LIMIT	166676	7.369	607230	8.651	340676	10.41
LOWER LIMIT	41669	6.369	151807.5	7.651	85169	9.41
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.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140532.D Time Analyzed: 10:57

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	437466	11.404	239343	14.051	211422	15.539
	UPPER LIMIT	874932	11.904	478686	14.551	422844	16.039
	LOWER LIMIT	218733	10.904	119671.5	13.551	105711	15.039
	EPA SAMPLE NO.						
01	PB165296BL	307927	11.40	198812	14.07	157266	15.60
02	PB165296BS	351850	11.40	225717	14.06	182835	15.58
03	PB165296BSD	364189	11.40	185704	14.06	166131	15.57
04	PB165294BL	327153	11.40	188803	14.06	154328	15.58
05	PB165294BS	315793	11.40	189731	14.06	164500	15.58
06	PB165248TB	349951	11.40	179342	14.06	149258	15.57
07	MW-13	319066	11.40	197195	14.05	158239	15.57
08	MW-11	321567	11.40	192319	14.05	156519	15.57
09	TW-WTS-02	321708	11.40	200835	14.05	164723	15.56
10	MW-06	343851	11.40	220062	14.05	186765	15.55
11	MH-746-WC	321963	11.40	187394	14.05	147072	15.56
12	STOCK-PILE	350833	11.40	198441	14.05	155443	15.55
13	STOCK-PILEMS	359896	11.40	236032	14.06	197266	15.56
14	STOCK-PILEMSD	336744	11.40	200045	14.05	168091	15.54
15	SOIL-1-HAM	341014	11.40	197098	14.05	161533	15.54
16	SOIL-1-HAMMS	361245	11.40	215378	14.05	179173	15.54
17	SOIL-1-HAMMSD	336781	11.40	217135	14.05	164773	15.54
18	SU-04-11222024	311278	11.40	178689	14.05	166236	15.54
19	HD-01-11272024	249678	11.40	153987	14.05	120536	15.54

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140532.D Time Analyzed: 20:16

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	437466	11.404	239343	14.051	211422	15.539
UPPER LIMIT	874932	11.904	478686	14.551	422844	16.039
LOWER LIMIT	218733	10.904	119671.5	13.551	105711	15.039
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140681.D Time Analyzed: 10:57

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	321182	11.398	183379	14.063	159952	15.58
	UPPER LIMIT	642364	11.898	366758	14.563	319904	16.08
	LOWER LIMIT	160591	10.898	91689.5	13.563	79976	15.08
	EPA SAMPLE NO.						
01	PB165296BL	307927	11.40	198812	14.07	157266	15.60
02	PB165296BS	351850	11.40	225717	14.06	182835	15.58
03	PB165296BSD	364189	11.40	185704	14.06	166131	15.57
04	PB165294BL	327153	11.40	188803	14.06	154328	15.58
05	PB165294BS	315793	11.40	189731	14.06	164500	15.58
06	PB165248TB	349951	11.40	179342	14.06	149258	15.57
07	MW-13	319066	11.40	197195	14.05	158239	15.57
08	MW-11	321567	11.40	192319	14.05	156519	15.57
09	TW-WTS-02	321708	11.40	200835	14.05	164723	15.56
10	MW-06	343851	11.40	220062	14.05	186765	15.55
11	MH-746-WC	321963	11.40	187394	14.05	147072	15.56
12	STOCK-PILE	350833	11.40	198441	14.05	155443	15.55
13	STOCK-PILEMS	359896	11.40	236032	14.06	197266	15.56
14	STOCK-PILEMSD	336744	11.40	200045	14.05	168091	15.54
15	SOIL-1-HAM	341014	11.40	197098	14.05	161533	15.54
16	SOIL-1-HAMMS	361245	11.40	215378	14.05	179173	15.54
17	SOIL-1-HAMMSD	336781	11.40	217135	14.05	164773	15.54
18	SU-04-11222024	311278	11.40	178689	14.05	166236	15.54
19	HD-01-11272024	249678	11.40	153987	14.05	120536	15.54

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF120224 SAS No.: BF120224 SDG NO.: BF120224

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BF140681.D Time Analyzed: 20:16

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	321182	11.398	183379	14.063	159952	15.58
UPPER LIMIT	642364	11.898	366758	14.563	319904	16.08
LOWER LIMIT	160591	10.898	91689.5	13.563	79976	15.08
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.: **BF120224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB165294BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1700	ug/Kg	100		*		28	98	
	Benzaldehyde	1700	1000	ug/Kg	59				10	133	
	Aniline	1700	1700	ug/Kg	100				38	100	
	Phenol	1700	1800	ug/Kg	106				62	112	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1800	ug/Kg	106		*		51	102	
	1,3-Dichlorobenzene	1700	1700	ug/Kg	100		*		52	99	
	1,4-Dichlorobenzene	1700	1700	ug/Kg	100				52	100	
	Benzyl Alcohol	1700	1800	ug/Kg	106				42	116	
	2-Methylphenol	1700	1800	ug/Kg	106				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1900	ug/Kg	112		*		51	100	
	Acetophenone	1700	1700	ug/Kg	100		*		66	98	
	3+4-Methylphenols	1700	1900	ug/Kg	112		*		58	111	
	N-Nitroso-di-n-propylamine	1700	1800	ug/Kg	106		*		63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	2200	ug/Kg	129				46	141	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100		*		66	97	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1700	ug/Kg	100				62	100	
	4-Chloroaniline	1700	820	ug/Kg	48				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1900	ug/Kg	112		*		67	110	
	4-Chloro-3-methylphenol	1700	1800	ug/Kg	106				58	112	
	2-Methylnaphthalene	1700	1800	ug/Kg	106		*		60	104	
	Hexachlorocyclopentadiene	3300	5600	ug/Kg	170		*		45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1700	ug/Kg	100				57	103	
	2-Chloronaphthalene	1700	1700	ug/Kg	100		*		58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1800	ug/Kg	106		*		63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104	
	Total PAH	27200	28300	ug/Kg	104				57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF120224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB165294BS	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	
	Dibenzofuran	1700	1700	ug/Kg	100		*		63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	3400	3400	ug/Kg	100				60	106	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1700	ug/Kg	100		*		58	98	
	Fluorene	1700	1700	ug/Kg	100				61	101	
	4-Nitroaniline	1700	1800	ug/Kg	106		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1800	ug/Kg	106		*		71	99	
	Azobenzene	1700	1800	ug/Kg	106		*		54	103	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				66	102	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	2100	ug/Kg	124				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1800	ug/Kg	106		*		59	103	
	Anthracene	1700	1900	ug/Kg	112		*		61	105	
	Carbazole	1700	1800	ug/Kg	106		*		61	99	
	Di-n-butylphthalate	1700	1800	ug/Kg	106		*		58	104	
	Fluoranthene	1700	1800	ug/Kg	106				57	107	
	Benzidine	3300	1300	ug/Kg	39				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1800	ug/Kg	106		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112				54	135	
	Di-n-octyl phthalate	1700	1900	ug/Kg	112				52	137	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1600	ug/Kg	94				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1900	ug/Kg	112		*		59	108	
	1-Methylnaphthalene	1700	1700	ug/Kg	100				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF120224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB165296BS	n-Nitrosodimethylamine	50	43.7	ug/L	87					55	108	
	Pyridine	50	45.3	ug/L	91					29	97	
	Benzaldehyde	50	29.4	ug/L	59					10	162	
	Aniline	50	44.8	ug/L	90					10	130	
	Phenol	50	48.3	ug/L	97					66	118	
	bis(2-Chloroethyl)ether	50	47.1	ug/L	94					62	103	
	2-Chlorophenol	50	49.3	ug/L	99					70	117	
	1,2-Dichlorobenzene	50	46.7	ug/L	93					72	102	
	1,3-Dichlorobenzene	50	45.2	ug/L	90					71	103	
	1,4-Dichlorobenzene	50	45.8	ug/L	92					76	103	
	Benzyl Alcohol	50	49.4	ug/L	99		*			36	93	
	2-Methylphenol	50	48	ug/L	96					69	109	
	2,2-oxybis(1-Chloropropane)	50	48.4	ug/L	97					65	100	
	Acetophenone	50	44.5	ug/L	89					60	104	
	3+4-Methylphenols	50	49.2	ug/L	98					67	106	
	N-Nitroso-di-n-propylamine	50	47.6	ug/L	95					57	107	
	Hexachloroethane	50	45	ug/L	90					76	118	
	Nitrobenzene	50	43.6	ug/L	87					58	106	
	Isophorone	50	47.1	ug/L	94					61	102	
	2-Nitrophenol	50	47.6	ug/L	95					70	115	
	2,4-Dimethylphenol	50	60.3	ug/L	121					42	142	
	bis(2-Chloroethoxy)methane	50	46.4	ug/L	93					58	109	
	2,4-Dichlorophenol	50	48.1	ug/L	96					66	115	
	1,2,4-Trichlorobenzene	50	44.1	ug/L	88					41	115	
	Benzoic acid	50	38.8	ug/L	78					10	125	
	Naphthalene	50	45.7	ug/L	91					64	107	
	4-Chloroaniline	50	27	ug/L	54					10	85	
	Hexachlorobutadiene	50	43.9	ug/L	88					69	101	
	Caprolactam	50	48.4	ug/L	97					58	128	
	4-Chloro-3-methylphenol	50	47.7	ug/L	95					65	114	
	2-Methylnaphthalene	50	47.6	ug/L	95					64	107	
	Hexachlorocyclopentadiene	100	160	ug/L	160					36	160	
	2,4,6-Trichlorophenol	50	46.7	ug/L	93					61	110	
	2,4,5-Trichlorophenol	50	45.5	ug/L	91					70	106	
	1,1-Biphenyl	50	46.8	ug/L	94					72	98	
	2-Chloronaphthalene	50	46.3	ug/L	93					59	106	
	2-Nitroaniline	50	47.1	ug/L	94					73	114	
	Dimethylphthalate	50	47.6	ug/L	95					64	103	
	Acenaphthylene	50	49.7	ug/L	99					79	103	
	2,6-Dinitrotoluene	50	45.1	ug/L	90					64	110	
	3-Nitroaniline	50	29.2	ug/L	58					28	100	
	Acenaphthene	50	47.6	ug/L	95					59	113	
	Total PAH	800	768.2	ug/L	96					59	113	
	2,4-Dinitrophenol	100	79.6	ug/L	80					36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF120224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165296BS	4-Nitrophenol	100	89.7	ug/L	90				45	147	
	Dibenzofuran	50	47.4	ug/L	95				65	106	
	2,4-Dinitrotoluene	50	48.2	ug/L	96				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	93.3	ug/L	93				60	115	
	Diethylphthalate	50	47.8	ug/L	96				63	105	
	4-Chlorophenyl-phenylether	50	46.7	ug/L	93				61	104	
	Fluorene	50	47.3	ug/L	95				64	107	
	4-Nitroaniline	50	47.2	ug/L	94				55	125	
	4,6-Dinitro-2-methylphenol	50	48.9	ug/L	98				62	132	
	N-Nitrosodiphenylamine	50	47.2	ug/L	94				61	109	
	Azobenzene	50	47.3	ug/L	95				59	106	
	4-Bromophenyl-phenylether	50	45.8	ug/L	92				73	103	
	Hexachlorobenzene	50	46.4	ug/L	93				73	106	
	Atrazine	50	56.3	ug/L	113				76	120	
	Pentachlorophenol	100	86.4	ug/L	86				47	114	
	Phenanthrene	50	47.6	ug/L	95				62	109	
	Anthracene	50	49.7	ug/L	99				65	110	
	Carbazole	50	48.3	ug/L	97				62	106	
	Di-n-butylphthalate	50	48.6	ug/L	97				64	106	
	Fluoranthene	50	50.5	ug/L	101				64	110	
	Benzidine	100	30.6	ug/L	31				10	94	
	Pyrene	50	46	ug/L	92				71	103	
	Butylbenzylphthalate	50	47	ug/L	94				61	105	
	3,3-Dichlorobenzidine	50	27.1	ug/L	54				43	108	
	Benzo(a)anthracene	50	48.2	ug/L	96				62	107	
	Chrysene	50	48.5	ug/L	97				61	108	
	bis(2-Ethylhexyl)phthalate	50	49.3	ug/L	99				59	110	
	Di-n-octyl phthalate	50	52.1	ug/L	104				52	139	
	Benzo(b)fluoranthene	50	47.2	ug/L	94				77	113	
	Benzo(k)fluoranthene	50	48.9	ug/L	98				77	105	
	Benzo(a)pyrene	50	52.4	ug/L	105				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.6	ug/L	95				72	105	
	Dibenz(a,h)anthracene	50	47.4	ug/L	95				78	115	
	Benzo(g,h,i)perylene	50	43.9	ug/L	88				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46	ug/L	92				72	101	
	1,4-Dioxane	50	41.2	ug/L	82				38	125	
	2,3,4,6-Tetrachlorophenol	50	51.5	ug/L	103				63	116	
	1-Methylnaphthalene	50	45	ug/L	90				51	114	
PB165296BSD	n-Nitrosodimethylamine	50	49.7	ug/L	99	13			55	108	20
	Pyridine	50	52.8	ug/L	106	15	*		29	97	20
	Benzaldehyde	50	33.1	ug/L	66	12			10	162	20
	Aniline	50	50	ug/L	100	11			10	130	20
	Phenol	50	54.3	ug/L	109	12			66	118	20
	bis(2-Chloroethyl)ether	50	52.8	ug/L	106	11	*		62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF120224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB165296BSD	2-Chlorophenol	50	55.1	ug/L	110	11			70	117	20
	1,2-Dichlorobenzene	50	51.9	ug/L	104	11	*		72	102	20
	1,3-Dichlorobenzene	50	51.2	ug/L	102	12			71	103	20
	1,4-Dichlorobenzene	50	51.1	ug/L	102	11			76	103	20
	Benzyl Alcohol	50	55.3	ug/L	111	11	*		36	93	20
	2-Methylphenol	50	54.1	ug/L	108	12			69	109	20
	2,2-oxybis(1-Chloropropane)	50	55.7	ug/L	111	14	*		65	100	20
	Acetophenone	50	50.4	ug/L	101	12			60	104	20
	3+4-Methylphenols	50	54.5	ug/L	109	10	*		67	106	20
	N-Nitroso-di-n-propylamine	50	52	ug/L	104	9			57	107	20
	Hexachloroethane	50	50.8	ug/L	102	12			76	118	20
	Nitrobenzene	50	49	ug/L	98	12			58	106	20
	Isophorone	50	52.5	ug/L	105	11	*		61	102	20
	2-Nitrophenol	50	53.7	ug/L	107	12			70	115	20
	2,4-Dimethylphenol	50	67.3	ug/L	135	11			42	142	20
	bis(2-Chloroethoxy)methane	50	52.1	ug/L	104	12			58	109	20
	2,4-Dichlorophenol	50	53.9	ug/L	108	11			66	115	20
	1,2,4-Trichlorobenzene	50	48.7	ug/L	97	10			41	115	20
	Benzoic acid	50	44.1	ug/L	88	13			10	125	20
	Naphthalene	50	51.3	ug/L	103	12			64	107	20
	4-Chloroaniline	50	25.4	ug/L	51	6			10	85	20
	Hexachlorobutadiene	50	48.7	ug/L	97	10			69	101	20
	Caprolactam	50	55.9	ug/L	112	14			58	128	20
	4-Chloro-3-methylphenol	50	53.5	ug/L	107	11			65	114	20
	2-Methylnaphthalene	50	53.2	ug/L	106	11			64	107	20
	Hexachlorocyclopentadiene	100	170	ug/L	170	6	*		36	160	20
	2,4,6-Trichlorophenol	50	50.7	ug/L	101	8			61	110	20
	2,4,5-Trichlorophenol	50	51.2	ug/L	102	12			70	106	20
	1,1-Biphenyl	50	51.1	ug/L	102	9	*		72	98	20
	2-Chloronaphthalene	50	50.8	ug/L	102	9			59	106	20
	2-Nitroaniline	50	51.2	ug/L	102	8			73	114	20
	Dimethylphthalate	50	52.2	ug/L	104	9	*		64	103	20
	Acenaphthylene	50	54.9	ug/L	110	10	*		79	103	20
	2,6-Dinitrotoluene	50	51	ug/L	102	12			64	110	20
	3-Nitroaniline	50	31.6	ug/L	63	8			28	100	20
	Acenaphthene	50	52.4	ug/L	105	10			59	113	20
	Total PAH	800	849.6	ug/L	106	10			59	113	20
	2,4-Dinitrophenol	100	89.8	ug/L	90	12			36	166	20
	4-Nitrophenol	100	97.5	ug/L	98	8			45	147	20
	Dibenzofuran	50	52.2	ug/L	104	10			65	106	20
	2,4-Dinitrotoluene	50	52.5	ug/L	105	9			60	115	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	103.5	ug/L	104	10			60	115	20
	Diethylphthalate	50	51.5	ug/L	103	7			63	105	20
	4-Chlorophenyl-phenylether	50	51.6	ug/L	103	10			61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF120224**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB165296BSD	Fluorene	50	52.2	ug/L	104	10			64	107	20
	4-Nitroaniline	50	52.9	ug/L	106	11			55	125	20
	4,6-Dinitro-2-methylphenol	50	52.3	ug/L	105	7			62	132	20
	N-Nitrosodiphenylamine	50	49.2	ug/L	98	4			61	109	20
	Azobenzene	50	53	ug/L	106	11			59	106	20
	4-Bromophenyl-phenylether	50	48.3	ug/L	97	5			73	103	20
	Hexachlorobenzene	50	48.9	ug/L	98	5			73	106	20
	Atrazine	50	60.2	ug/L	120	7			76	120	20
	Pentachlorophenol	100	91.1	ug/L	91	5			47	114	20
	Phenanthrene	50	53.2	ug/L	106	11			62	109	20
	Anthracene	50	54.6	ug/L	109	9			65	110	20
	Carbazole	50	52.9	ug/L	106	9			62	106	20
	Di-n-butylphthalate	50	51.6	ug/L	103	6			64	106	20
	Fluoranthene	50	46.8	ug/L	94	8			64	110	20
	Benzidine	100	36.3	ug/L	36	17			10	94	20
	Pyrene	50	52.5	ug/L	105	13	*		71	103	20
	Butylbenzylphthalate	50	55.6	ug/L	111	17	*		61	105	20
	3,3-Dichlorobenzidine	50	31.9	ug/L	64	16			43	108	20
	Benzo(a)anthracene	50	56	ug/L	112	15	*		62	107	20
	Chrysene	50	54.9	ug/L	110	12	*		61	108	20
	bis(2-Ethylhexyl)phthalate	50	56.9	ug/L	114	14	*		59	110	20
	Di-n-octyl phthalate	50	62.1	ug/L	124	18			52	139	20
	Benzo(b)fluoranthene	50	55.5	ug/L	111	16			77	113	20
	Benzo(k)fluoranthene	50	54	ug/L	108	10	*		77	105	20
	Benzo(a)pyrene	50	62.5	ug/L	125	18			72	131	20
	Indeno(1,2,3-cd)pyrene	50	49.9	ug/L	100	5			72	105	20
	Dibenz(a,h)anthracene	50	49.7	ug/L	99	5			78	115	20
	Benzo(g,h,i)perylene	50	49.2	ug/L	98	11			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	50.6	ug/L	101	10			72	101	20
	1,4-Dioxane	50	46.9	ug/L	94	13			38	125	20
	2,3,4,6-Tetrachlorophenol	50	58.1	ug/L	116	12			63	116	20
	1-Methylnaphthalene	50	50.8	ug/L	102	12			51	114	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165248TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF120224

SAS No.: BF120224 SDG NO.: BF120224

Lab File ID: BF140687.D

Lab Sample ID: PB165248TB

Instrument ID: BNA_F

Date Extracted: 11/26/2024

Matrix: (soil/water) water

Date Analyzed: 12/02/2024

Level: (low/med) LOW

Time Analyzed: 13:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165248TB	PB165248TB	BF140687.D	12/02/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165294BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF120224

SAS No.: BF120224 SDG NO.: BF120224

Lab File ID: BF140685.D

Lab Sample ID: PB165294BL

Instrument ID: BNA_F

Date Extracted: 11/27/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/02/2024

Level: (low/med) LOW

Time Analyzed: 12:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165294BS	PB165294BS	BF140686.D	12/02/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165296BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF120224

SAS No.: BF120224 SDG NO.: BF120224

Lab File ID: BF140682.D

Lab Sample ID: PB165296BL

Instrument ID: BNA_F

Date Extracted: 11/27/2024

Matrix: (soil/water) Water

Date Analyzed: 12/02/2024

Level: (low/med) LOW

Time Analyzed: 10:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165296BS	PB165296BS	BF140683.D	12/02/2024
PB165296BSD	PB165296BSD	BF140684.D	12/02/2024
MW-13	P5021-05	BF140688.D	12/02/2024
MW-11	P5021-04	BF140689.D	12/02/2024
TW-WTS-02	P5006-18	BF140690.D	12/02/2024
MW-06	P5021-01	BF140691.D	12/02/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOIL-1-HAM

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF120224

SAS No.: BF120224 SDG NO.: BF120224

Lab File ID: BF140696.D

Lab Sample ID: P5026-05

Instrument ID: BNA_F

Date Extracted: 12/02/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/02/2024

Level: (low/med) LOW

Time Analyzed: 18:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SOIL-1-HAM	P5026-05	BF140696.D	12/02/2024
SOIL-1-HAMMS	P5026-05MS	BF140697.D	12/02/2024
SOIL-1-HAMMSD	P5026-05MSD	BF140698.D	12/02/2024
SU-04-11222024	P5045-01	BF140699.D	12/02/2024
HD-01-11272024	P5046-01	BF140700.D	12/02/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MH-746-WC

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF120224

SAS No.: BF120224 SDG NO.: BF120224

Lab File ID: BF140692.D

Lab Sample ID: P5048-04

Instrument ID: BNA_F

Date Extracted: 12/02/2024

Matrix: (soil/water) water

Date Analyzed: 12/02/2024

Level: (low/med) LOW

Time Analyzed: 16:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MH-746-WC	P5048-04	BF140692.D	12/02/2024
STOCK-PILE	P5005-02	BF140693.D	12/02/2024
STOCK-PILEMS	P5005-02MS	BF140694.D	12/02/2024
STOCK-PILEMSD	P5005-02MSD	BF140695.D	12/02/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5026-05MS		Client Sample ID: SOIL-1-HAMMS		DataFile: BF140697.D							
n-Nitrosodimethylamine	2100		1900	ug/Kg	90				66	124	
Pyridine	2100		2100	ug/Kg	100				45	119	
Benzaldehyde	2100		1100	ug/Kg	52				10	86	
Aniline	2100		1800	ug/Kg	86				10	88	
Phenol	2100		2100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	2100		2000	ug/Kg	95				54	125	
2-Chlorophenol	2100		2000	ug/Kg	95				79	107	
1,2-Dichlorobenzene	2100		1900	ug/Kg	90				61	105	
1,3-Dichlorobenzene	2100		1900	ug/Kg	90				62	101	
1,4-Dichlorobenzene	2100		1900	ug/Kg	90				63	104	
Benzyl Alcohol	2100		2000	ug/Kg	95				47	126	
2-Methylphenol	2100		2000	ug/Kg	95				66	122	
2,2-oxybis(1-Chloropropane)	2100		2000	ug/Kg	95				65	110	
Acetophenone	2100		1900	ug/Kg	90				75	111	
3+4-Methylphenols	2100		2000	ug/Kg	95				66	104	
N-Nitroso-di-n-propylamine	2100		2000	ug/Kg	95				59	119	
Hexachloroethane	2100		1900	ug/Kg	90				65	117	
Nitrobenzene	2100		1800	ug/Kg	86				70	119	
Isophorone	2100		2000	ug/Kg	95				76	122	
2-Nitrophenol	2100		2000	ug/Kg	95				54	145	
2,4-Dimethylphenol	2100		2500	ug/Kg	119				44	135	
bis(2-Chloroethoxy)methane	2100		2000	ug/Kg	95				68	112	
2,4-Dichlorophenol	2100		2100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	2100		1800	ug/Kg	86				57	103	
Benzoic acid	2100		1600	ug/Kg	76				50	104	
Naphthalene	2100		1900	ug/Kg	90				72	110	
4-Chloroaniline	2100		750	ug/Kg	36				10	91	
Hexachlorobutadiene	2100		1800	ug/Kg	86				66	114	
Caprolactam	2100		2100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2100		2100	ug/Kg	100				57	132	
2-Methylnaphthalene	2100		2000	ug/Kg	95				59	123	
Hexachlorocyclopentadiene	4300		6500	ug/Kg	151				10	175	
2,4,6-Trichlorophenol	2100		1900	ug/Kg	90				72	117	
2,4,5-Trichlorophenol	2100		1900	ug/Kg	90				72	117	
1,1-Biphenyl	2100		2000	ug/Kg	95				75	113	
2-Chloronaphthalene	2100		1900	ug/Kg	90				67	118	
2-Nitroaniline	2100		2000	ug/Kg	95				69	127	
Dimethylphthalate	2100		2000	ug/Kg	95				70	113	
Acenaphthylene	2100		2100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	2100		1900	ug/Kg	90				70	125	
3-Nitroaniline	2100		1200	ug/Kg	57				30	99	
Acenaphthene	2100		2000	ug/Kg	95				70	121	
Total PAH	33600		32500	ug/Kg	97				70	121	
2,4-Dinitrophenol	4300		3800	ug/Kg	88				10	155	
4-Nitrophenol	4300		3700	ug/Kg	86				45	133	
Dibenzofuran	2100		2000	ug/Kg	95				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

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	4200		3900	ug/Kg	93				55	128	
2,4-Dinitrotoluene	2100		2000	ug/Kg	95				55	128	
Diethylphthalate	2100		2000	ug/Kg	95				70	112	
4-Chlorophenyl-phenylether	2100		2000	ug/Kg	95				71	108	
Fluorene	2100		2000	ug/Kg	95				68	116	
4-Nitroaniline	2100		2000	ug/Kg	95				55	120	
4,6-Dinitro-2-methylphenol	2100		2200	ug/Kg	105				10	160	
N-Nitrosodiphenylamine	2100		2000	ug/Kg	95				73	118	
Azobenzene	2100		2200	ug/Kg	105				73	110	
4-Bromophenyl-phenylether	2100		1900	ug/Kg	90				65	121	
Hexachlorobenzene	2100		1900	ug/Kg	90				67	118	
Atrazine	2100		2400	ug/Kg	114				79	127	
Pentachlorophenol	4300		3700	ug/Kg	86				47	128	
Phenanthrene	2100		2000	ug/Kg	95				52	128	
Anthracene	2100		2100	ug/Kg	100				62	124	
Carbazole	2100		2000	ug/Kg	95				59	119	
Di-n-butylphthalate	2100		2100	ug/Kg	100				69	118	
Fluoranthene	2100		2100	ug/Kg	100				44	125	
Benzydine	4300		1400	ug/Kg	33				10	119	
Pyrene	2100		2000	ug/Kg	95				26	142	
Butylbenzylphthalate	2100		2100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	2100		1100	ug/Kg	52				33	116	
Benzo(a)anthracene	2100		2100	ug/Kg	100				71	114	
Chrysene	2100		2000	ug/Kg	95				57	121	
bis(2-Ethylhexyl)phthalate	2100		2200	ug/Kg	105				42	169	
Di-n-octyl phthalate	2100		2200	ug/Kg	105				23	175	
Benzo(b)fluoranthene	2100		2100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	2100		1900	ug/Kg	90				57	134	
Benzo(a)pyrene	2100		2200	ug/Kg	105				70	142	
Indeno(1,2,3-cd)pyrene	2100		2100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	2100		2000	ug/Kg	95				43	123	
Benzo(g,h,i)perylene	2100		1900	ug/Kg	90				24	125	
1,2,4,5-Tetrachlorobenzene	2100		1900	ug/Kg	90				69	124	
1,4-Dioxane	2100		1900	ug/Kg	90				46	112	
2,3,4,6-Tetrachlorophenol	2100		2200	ug/Kg	105				69	112	
1-Methylnaphthalene	2100		1900	ug/Kg	90				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5026-05MSD		Client Sample ID: SOIL-1-HAMMSD		DataFile: BF140698.D							
n-Nitrosodimethylamine	2100		2100	ug/Kg	100		11		66	124	20
Pyridine	2100		2300	ug/Kg	110		10		45	119	20
Benzaldehyde	2100		1300	ug/Kg	62		18		10	86	20
Aniline	2100		2200	ug/Kg	105	*	20		10	88	20
Phenol	2100		2400	ug/Kg	114		13		67	126	20
bis(2-Chloroethyl)ether	2100		2300	ug/Kg	110		15		54	125	20
2-Chlorophenol	2100		2400	ug/Kg	114	*	18		79	107	20
1,2-Dichlorobenzene	2100		2200	ug/Kg	105		15		61	105	20
1,3-Dichlorobenzene	2100		2200	ug/Kg	105	*	15		62	101	20
1,4-Dichlorobenzene	2100		2200	ug/Kg	105	*	15		63	104	20
Benzyl Alcohol	2100		2400	ug/Kg	114		18		47	126	20
2-Methylphenol	2100		2300	ug/Kg	110		15		66	122	20
2,2-oxybis(1-Chloropropane)	2100		2400	ug/Kg	114	*	18		65	110	20
Acetophenone	2100		2100	ug/Kg	100		11		75	111	20
3+4-Methylphenols	2100		2300	ug/Kg	110	*	15		66	104	20
N-Nitroso-di-n-propylamine	2100		2300	ug/Kg	110		15		59	119	20
Hexachloroethane	2100		2200	ug/Kg	105		15		65	117	20
Nitrobenzene	2100		2000	ug/Kg	95		10		70	119	20
Isophorone	2100		2200	ug/Kg	105		10		76	122	20
2-Nitrophenol	2100		2300	ug/Kg	110		15		54	145	20
2,4-Dimethylphenol	2100		2900	ug/Kg	138	*	15		44	135	20
bis(2-Chloroethoxy)methane	2100		2300	ug/Kg	110		15		68	112	20
2,4-Dichlorophenol	2100		2300	ug/Kg	110		10		72	118	20
1,2,4-Trichlorobenzene	2100		2100	ug/Kg	100		15		57	103	20
Benzoic acid	2100		1900	ug/Kg	90		17		50	104	20
Naphthalene	2100		2200	ug/Kg	105		15		72	110	20
4-Chloroaniline	2100		890	ug/Kg	42		15		10	91	20
Hexachlorobutadiene	2100		2100	ug/Kg	100		15		66	114	20
Caprolactam	2100		2400	ug/Kg	114		13		51	134	20
4-Chloro-3-methylphenol	2100		2300	ug/Kg	110		10		57	132	20
2-Methylnaphthalene	2100		2200	ug/Kg	105		10		59	123	20
Hexachlorocyclopentadiene	4300		7300	ug/Kg	170		12		10	175	20
2,4,6-Trichlorophenol	2100		2100	ug/Kg	100		11		72	117	20
2,4,5-Trichlorophenol	2100		2200	ug/Kg	105		15		72	117	20
1,1-Biphenyl	2100		2200	ug/Kg	105		10		75	113	20
2-Chloronaphthalene	2100		2200	ug/Kg	105		15		67	118	20
2-Nitroaniline	2100		2200	ug/Kg	105		10		69	127	20
Dimethylphthalate	2100		2300	ug/Kg	110		15		70	113	20
Acenaphthylene	2100		2300	ug/Kg	110		10		79	118	20
2,6-Dinitrotoluene	2100		2200	ug/Kg	105		15		70	125	20
3-Nitroaniline	2100		1400	ug/Kg	67		16		30	99	20
Acenaphthene	2100		2200	ug/Kg	105		10		70	121	20
Total PAH	33600		36700	ug/Kg	109		12		70	121	20
2,4-Dinitrophenol	4300		4200	ug/Kg	98		11		10	155	20
4-Nitrophenol	4300		4200	ug/Kg	98		13		45	133	20
Dibenzofuran	2100		2200	ug/Kg	105		10		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

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	4200		4400	ug/Kg	105		12		55	128	20
2,4-Dinitrotoluene	2100		2200	ug/Kg	105		10		55	128	20
Diethylphthalate	2100		2200	ug/Kg	105		10		70	112	20
4-Chlorophenyl-phenylether	2100		2200	ug/Kg	105		10		71	108	20
Fluorene	2100		2200	ug/Kg	105		10		68	116	20
4-Nitroaniline	2100		2300	ug/Kg	110		15		55	120	20
4,6-Dinitro-2-methylphenol	2100		2500	ug/Kg	119		13		10	160	20
N-Nitrosodiphenylamine	2100		2300	ug/Kg	110		15		73	118	20
Azobenzene	2100		2400	ug/Kg	114	*	8		73	110	20
4-Bromophenyl-phenylether	2100		2200	ug/Kg	105		15		65	121	20
Hexachlorobenzene	2100		2200	ug/Kg	105		15		67	118	20
Atrazine	2100		2700	ug/Kg	129	*	12		79	127	20
Pentachlorophenol	4300		4200	ug/Kg	98		13		47	128	20
Phenanthrene	2100		2300	ug/Kg	110		15		52	128	20
Anthracene	2100		2400	ug/Kg	114		13		62	124	20
Carbazole	2100		2300	ug/Kg	110		15		59	119	20
Di-n-butylphthalate	2100		2400	ug/Kg	114		13		69	118	20
Fluoranthene	2100		2400	ug/Kg	114		13		44	125	20
Benzidine	4300		1900	ug/Kg	44		29	*	10	119	20
Pyrene	2100		2200	ug/Kg	105		10		26	142	20
Butylbenzylphthalate	2100		2300	ug/Kg	110		10		64	126	20
3,3-Dichlorobenzidine	2100		1300	ug/Kg	62		18		33	116	20
Benzo(a)anthracene	2100		2300	ug/Kg	110		10		71	114	20
Chrysene	2100		2300	ug/Kg	110		15		57	121	20
bis(2-Ethylhexyl)phthalate	2100		2400	ug/Kg	114		8		42	169	20
Di-n-octyl phthalate	2100		2400	ug/Kg	114		8		23	175	20
Benzo(b)fluoranthene	2100		2400	ug/Kg	114		13		67	121	20
Benzo(k)fluoranthene	2100		2500	ug/Kg	119		28	*	57	134	20
Benzo(a)pyrene	2100		2700	ug/Kg	129		21	*	70	142	20
Indeno(1,2,3-cd)pyrene	2100		2200	ug/Kg	105		5		40	129	20
Dibenz(a,h)anthracene	2100		2100	ug/Kg	100		5		43	123	20
Benzo(g,h,i)perylene	2100		2000	ug/Kg	95		5		24	125	20
1,2,4,5-Tetrachlorobenzene	2100		2200	ug/Kg	105		15		69	124	20
1,4-Dioxane	2100		2100	ug/Kg	100		11		46	112	20
2,3,4,6-Tetrachlorophenol	2100		2500	ug/Kg	119	*	13		69	112	20
1-Methylnaphthalene	2100		2100	ug/Kg	100		11		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5005-02MS		Client Sample ID: STOCK-PILEMS		DataFile: BF140694.D							
n-Nitrosodimethylamine	500		400	ug/L	80				10	130	
Pyridine	500		330	ug/L	66				10	109	
Benzaldehyde	500		58.1	ug/L	12				10	137	
Aniline	500		260	ug/L	52				10	130	
Phenol	500		420	ug/L	84				10	130	
bis(2-Chloroethyl)ether	500		460	ug/L	92				29	141	
2-Chlorophenol	500		460	ug/L	92				23	127	
1,2-Dichlorobenzene	500		400	ug/L	80				61	114	
1,3-Dichlorobenzene	500		400	ug/L	80				65	106	
1,4-Dichlorobenzene	500		400	ug/L	80				55	125	
Benzyl Alcohol	500		480	ug/L	96	*			31	94	
2-Methylphenol	500		470	ug/L	94				37	126	
2,2-oxybis(1-Chloropropane)	500		470	ug/L	94				36	141	
Acetophenone	500		440	ug/L	88				31	164	
3+4-Methylphenols	500		470	ug/L	94				31	127	
N-Nitroso-di-n-propylamine	500		460	ug/L	92				36	147	
Hexachloroethane	500		390	ug/L	78				49	110	
Nitrobenzene	500		430	ug/L	86				62	112	
Isophorone	500		490	ug/L	98				39	146	
2-Nitrophenol	500		470	ug/L	94				30	148	
2,4-Dimethylphenol	500		610	ug/L	122				17	143	
bis(2-Chloroethoxy)methane	500		480	ug/L	96				39	143	
2,4-Dichlorophenol	500		480	ug/L	96				22	146	
1,2,4-Trichlorobenzene	500		420	ug/L	84				66	110	
Benzoic acid	500		450	ug/L	90				10	101	
Naphthalene	500		440	ug/L	88				17	157	
4-Chloroaniline	500		160	ug/L	32				10	95	
Hexachlorobutadiene	500		400	ug/L	80				52	125	
Caprolactam	500		450	ug/L	90				10	130	
4-Chloro-3-methylphenol	500		490	ug/L	98				17	148	
2-Methylnaphthalene	500		480	ug/L	96				38	146	
Hexachlorocyclopentadiene	1000		1600	ug/L	160	*			20	153	
2,4,6-Trichlorophenol	500		490	ug/L	98				78	112	
2,4,5-Trichlorophenol	500		470	ug/L	94				71	111	
1,1-Biphenyl	500		480	ug/L	96				38	154	
2-Chloronaphthalene	500		470	ug/L	94				41	145	
2-Nitroaniline	500		480	ug/L	96				39	151	
Dimethylphthalate	500		520	ug/L	104				42	147	
Acenaphthylene	500		510	ug/L	102				40	141	
2,6-Dinitrotoluene	500		480	ug/L	96				43	148	
3-Nitroaniline	500		250	ug/L	50				10	111	
Acenaphthene	500		480	ug/L	96				37	146	
Total PAH	8000		7990	ug/L	100				37	146	
2,4-Dinitrophenol	1000		980	ug/L	98				14	167	
4-Nitrophenol	1000		830	ug/L	83				10	130	
Dibenzofuran	500		480	ug/L	96				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		490	ug/L	98				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		970	ug/L	97				50	142	
Diethylphthalate	500		510	ug/L	102				41	148	
4-Chlorophenyl-phenylether	500		480	ug/L	96				38	149	
Fluorene	500		480	ug/L	96				39	144	
4-Nitroaniline	500		470	ug/L	94				27	138	
4,6-Dinitro-2-methylphenol	500		580	ug/L	116				32	175	
N-Nitrosodiphenylamine	500		510	ug/L	102				40	150	
Azobenzene	500		490	ug/L	98				72	112	
4-Bromophenyl-phenylether	500		500	ug/L	100				42	151	
Hexachlorobenzene	500		480	ug/L	96				72	115	
Atrazine	500		550	ug/L	110				20	162	
Pentachlorophenol	1000		1000	ug/L	100				25	139	
Phenanthrene	500		510	ug/L	102				40	147	
Anthracene	500		530	ug/L	106				41	146	
Carbazole	500		500	ug/L	100				37	154	
Di-n-butylphthalate	500		540	ug/L	108				40	151	
Fluoranthene	500		520	ug/L	104				42	146	
Benzidine	1000		66.5	ug/L	7	*			10	130	
Pyrene	500		460	ug/L	92				41	149	
Butylbenzylphthalate	500		520	ug/L	104				39	155	
3,3-Dichlorobenzidine	500		300	ug/L	60				10	114	
Benzo(a)anthracene	500		520	ug/L	104				41	147	
Chrysene	500		510	ug/L	102				44	144	
bis(2-Ethylhexyl)phthalate	500		570	ug/L	114				33	160	
Di-n-octyl phthalate	500		640	ug/L	128				36	158	
Benzo(b)fluoranthene	500		510	ug/L	102				40	150	
Benzo(k)fluoranthene	500		530	ug/L	106				40	147	
Benzo(a)pyrene	500		550	ug/L	110				42	147	
Indeno(1,2,3-cd)pyrene	500		500	ug/L	100				30	166	
Dibenz(a,h)anthracene	500		490	ug/L	98				23	172	
Benzo(g,h,i)perylene	500		450	ug/L	90				27	167	
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92				89	102	
1,4-Dioxane	500		390	ug/L	78				38	130	
2,3,4,6-Tetrachlorophenol	500		570	ug/L	114	*			91	111	
1-Methylnaphthalene	500		460	ug/L	92				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5005-02MSD		Client Sample ID: STOCK-PILEMSD		DataFile: BF140695.D							
n-Nitrosodimethylamine	500		480	ug/L	96		18		10	130	20
Pyridine	500		410	ug/L	82		22	*	10	109	20
Benzaldehyde	500		61.6	ug/L	12		0		10	137	20
Aniline	500		300	ug/L	60		14		10	130	20
Phenol	500		490	ug/L	98		15		10	130	20
bis(2-Chloroethyl)ether	500		510	ug/L	102		10		29	141	20
2-Chlorophenol	500		530	ug/L	106		14		23	127	20
1,2-Dichlorobenzene	500		460	ug/L	92		14		61	114	20
1,3-Dichlorobenzene	500		450	ug/L	90		12		65	106	20
1,4-Dichlorobenzene	500		450	ug/L	90		12		55	125	20
Benzyl Alcohol	500		560	ug/L	112	*	15		31	94	20
2-Methylphenol	500		540	ug/L	108		14		37	126	20
2,2-oxybis(1-Chloropropane)	500		530	ug/L	106		12		36	141	20
Acetophenone	500		500	ug/L	100		13		31	164	20
3+4-Methylphenols	500		550	ug/L	110		16		31	127	20
N-Nitroso-di-n-propylamine	500		530	ug/L	106		14		36	147	20
Hexachloroethane	500		440	ug/L	88		12		49	110	20
Nitrobenzene	500		480	ug/L	96		11		62	112	20
Isophorone	500		550	ug/L	110		12		39	146	20
2-Nitrophenol	500		530	ug/L	106		12		30	148	20
2,4-Dimethylphenol	500		700	ug/L	140		14		17	143	20
bis(2-Chloroethoxy)methane	500		530	ug/L	106		10		39	143	20
2,4-Dichlorophenol	500		550	ug/L	110		14		22	146	20
1,2,4-Trichlorobenzene	500		460	ug/L	92		9		66	110	20
Benzoic acid	500		520	ug/L	104	*	14		10	101	20
Naphthalene	500		490	ug/L	98		11		17	157	20
4-Chloroaniline	500		190	ug/L	38		17		10	95	20
Hexachlorobutadiene	500		440	ug/L	88		10		52	125	20
Caprolactam	500		520	ug/L	104		14		10	130	20
4-Chloro-3-methylphenol	500		560	ug/L	112		13		17	148	20
2-Methylnaphthalene	500		530	ug/L	106		10		38	146	20
Hexachlorocyclopentadiene	1000		1600	ug/L	160	*	0		20	153	20
2,4,6-Trichlorophenol	500		540	ug/L	108		10		78	112	20
2,4,5-Trichlorophenol	500		540	ug/L	108		14		71	111	20
1,1-Biphenyl	500		510	ug/L	102		6		38	154	20
2-Chloronaphthalene	500		510	ug/L	102		8		41	145	20
2-Nitroaniline	500		560	ug/L	112		15		39	151	20
Dimethylphthalate	500		560	ug/L	112		7		42	147	20
Acenaphthylene	500		560	ug/L	112		9		40	141	20
2,6-Dinitrotoluene	500		540	ug/L	108		12		43	148	20
3-Nitroaniline	500		330	ug/L	66		28	*	10	111	20
Acenaphthene	500		540	ug/L	108		12		37	146	20
Total PAH	8000		8870	ug/L	111		10		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		12		14	167	20
4-Nitrophenol	1000		970	ug/L	97		16		10	130	20
Dibenzofuran	500		530	ug/L	106		10		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF120224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		560	ug/L	112		13		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1100	ug/L	110		13		50	142	20
Diethylphthalate	500		540	ug/L	108		6		41	148	20
4-Chlorophenyl-phenylether	500		530	ug/L	106		10		38	149	20
Fluorene	500		540	ug/L	108		12		39	144	20
4-Nitroaniline	500		540	ug/L	108		14		27	138	20
4,6-Dinitro-2-methylphenol	500		620	ug/L	124		7		32	175	20
N-Nitrosodiphenylamine	500		560	ug/L	112		9		40	150	20
Azobenzene	500		550	ug/L	110		12		72	112	20
4-Bromophenyl-phenylether	500		540	ug/L	108		8		42	151	20
Hexachlorobenzene	500		530	ug/L	106		10		72	115	20
Atrazine	500		590	ug/L	118		7		20	162	20
Pentachlorophenol	1000		1100	ug/L	110		10		25	139	20
Phenanthrene	500		560	ug/L	112		9		40	147	20
Anthracene	500		590	ug/L	118		11		41	146	20
Carbazole	500		560	ug/L	112		11		37	154	20
Di-n-butylphthalate	500		560	ug/L	112		4		40	151	20
Fluoranthene	500		570	ug/L	114		9		42	146	20
Benzidine	1000		79.6	ug/L	8	*	13		10	130	20
Pyrene	500		550	ug/L	110		18		41	149	20
Butylbenzylphthalate	500		580	ug/L	116		11		39	155	20
3,3-Dichlorobenzidine	500		360	ug/L	72		18		10	114	20
Benzo(a)anthracene	500		580	ug/L	116		11		41	147	20
Chrysene	500		570	ug/L	114		11		44	144	20
bis(2-Ethylhexyl)phthalate	500		590	ug/L	118		3		33	160	20
Di-n-octyl phthalate	500		610	ug/L	122		5		36	158	20
Benzo(b)fluoranthene	500		580	ug/L	116		13		40	150	20
Benzo(k)fluoranthene	500		550	ug/L	110		4		40	147	20
Benzo(a)pyrene	500		600	ug/L	120		9		42	147	20
Indeno(1,2,3-cd)pyrene	500		550	ug/L	110		10		30	166	20
Dibenz(a,h)anthracene	500		540	ug/L	108		10		23	172	20
Benzo(g,h,i)perylene	500		500	ug/L	100		11		27	167	20
1,2,4,5-Tetrachlorobenzene	500		500	ug/L	100		8		89	102	20
1,4-Dioxane	500		460	ug/L	92		16		38	130	20
2,3,4,6-Tetrachlorophenol	500		620	ug/L	124	*	8		91	111	20
1-Methylnaphthalene	500		500	ug/L	100		8		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF120224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165248TB	PB165248TB	BF140687.D	2-Fluorophenol	150	140.81	94		10	139
			Phenol-d6	150	137.56	92		10	134
			Nitrobenzene-d5	100	93.65	94		49	133
			2-Fluorobiphenyl	100	94.75	95		52	132
			2,4,6-Tribromophenol	150	131.25	88		44	137
			Terphenyl-d14	100	110.19	110		48	125

Surrogate Summary

SW-846

SDG No.: **BF120224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165294BL	PB165294BL	BF140685.D	2-Fluorophenol	150	130.00	87		18	112
			Phenol-d6	150	126.57	84		15	107
			Nitrobenzene-d5	100	87.27	87		18	107
			2-Fluorobiphenyl	100	89.41	89		20	109
			2,4,6-Tribromophenol	150	124.55	83		10	116
			Terphenyl-d14	100	92.05	92		10	105
PB165294BS	PB165294BS	BF140686.D	2-Fluorophenol	150	147.18	98		18	112
			Phenol-d6	150	147.50	98		15	107
			Nitrobenzene-d5	100	98.37	98		18	107
			2-Fluorobiphenyl	100	96.63	97		20	109
			2,4,6-Tribromophenol	150	148.93	99		10	116
			Terphenyl-d14	100	101.56	102		10	105

Surrogate Summary

SW-846

SDG No.: **BF120224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5006-18	TW-WTS-02	BF140690.D	2-Fluorophenol	75	27.77	37		10	139
			Phenol-d6	75	17.88	24		10	134
			Nitrobenzene-d5	50	40.46	81		49	133
			2-Fluorobiphenyl	50	42.06	84		52	132
			2,4,6-Tribromophenol	75	58.93	79		44	137
			Terphenyl-d14	50	41.69	83		48	125
P5021-01	MW-06	BF140691.D	2-Fluorophenol	150	59.21	39		10	139
			Phenol-d6	150	37.47	25		10	134
			Nitrobenzene-d5	100	89.83	90		49	133
			2-Fluorobiphenyl	100	82.98	83		52	132
			2,4,6-Tribromophenol	150	136.11	91		44	137
			Terphenyl-d14	100	80.11	80		48	125
P5021-04	MW-11	BF140689.D	2-Fluorophenol	150	62.54	42		10	139
			Phenol-d6	150	38.47	26		10	134
			Nitrobenzene-d5	100	95.58	96		49	133
			2-Fluorobiphenyl	100	94.36	94		52	132
			2,4,6-Tribromophenol	150	141.59	94		44	137
			Terphenyl-d14	100	91.05	91		48	125
P5021-05	MW-13	BF140688.D	2-Fluorophenol	150	63.20	42		10	139
			Phenol-d6	150	38.17	25		10	134
			Nitrobenzene-d5	100	96.07	96		49	133
			2-Fluorobiphenyl	100	94.03	94		52	132
			2,4,6-Tribromophenol	150	141.30	94		44	137
			Terphenyl-d14	100	90.82	91		48	125
PB165296BL	PB165296BL	BF140682.D	2-Fluorophenol	150	145.61	97		10	139
			Phenol-d6	150	141.23	94		10	134
			Nitrobenzene-d5	100	94.49	94		49	133
			2-Fluorobiphenyl	100	96.05	96		52	132
			2,4,6-Tribromophenol	150	136.22	91		44	137
			Terphenyl-d14	100	94.73	95		48	125
PB165296BS	PB165296BS	BF140683.D	2-Fluorophenol	150	129.23	86		10	139
			Phenol-d6	150	129.14	86		10	134
			Nitrobenzene-d5	100	86.67	87		49	133
			2-Fluorobiphenyl	100	87.56	88		52	132
			2,4,6-Tribromophenol	150	134.15	89		44	137
			Terphenyl-d14	100	87.50	87		48	125
PB165296BSD	PB165296BSD	BF140684.D	2-Fluorophenol	150	146.65	98		10	139
			Phenol-d6	150	144.65	96		10	134
			Nitrobenzene-d5	100	96.70	97		49	133
			2-Fluorobiphenyl	100	95.40	95		52	132
			2,4,6-Tribromophenol	150	148.60	99		44	137
			Terphenyl-d14	100	101.49	101		48	125

Surrogate Summary

SW-846

SDG No.: **BF120224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5026-05	SOIL-1-HAM	BF140696.D	2-Fluorophenol	150	84.46	56		18	112
			Phenol-d6	150	84.33	56		15	107
			Nitrobenzene-d5	100	56.18	56		18	107
			2-Fluorobiphenyl	100	55.86	56		20	109
			2,4,6-Tribromophenol	150	77.05	51		10	116
			Terphenyl-d14	100	52.18	52		10	105
P5026-05MS	SOIL-1-HAMMS	BF140697.D	2-Fluorophenol	150	79.40	53		18	112
			Phenol-d6	150	77.23	51		15	107
			Nitrobenzene-d5	100	51.25	51		18	107
			2-Fluorobiphenyl	100	49.68	50		20	109
			2,4,6-Tribromophenol	150	78.90	53		10	116
			Terphenyl-d14	100	47.10	47		10	105
P5026-05MSD	SOIL-1-HAMMSD	BF140698.D	2-Fluorophenol	150	89.93	60		18	112
			Phenol-d6	150	89.22	59		15	107
			Nitrobenzene-d5	100	57.72	58		18	107
			2-Fluorobiphenyl	100	56.39	56		20	109
			2,4,6-Tribromophenol	150	87.87	59		10	116
			Terphenyl-d14	100	51.24	51		10	105
P5045-01	SU-04-11222024	BF140699.D	2-Fluorophenol	150	91.26	61		18	112
			Phenol-d6	150	90.83	61		15	107
			Nitrobenzene-d5	100	60.65	61		18	107
			2-Fluorobiphenyl	100	61.00	61		20	109
			2,4,6-Tribromophenol	150	77.93	52		10	116
			Terphenyl-d14	100	54.07	54		10	105
P5046-01	HD-01-11272024	BF140700.D	2-Fluorophenol	150	80.48	54		18	112
			Phenol-d6	150	78.78	53		15	107
			Nitrobenzene-d5	100	54.39	54		18	107
			2-Fluorobiphenyl	100	61.04	61		20	109
			2,4,6-Tribromophenol	150	68.89	46		10	116
			Terphenyl-d14	100	46.36	46		10	105

Surrogate Summary

SW-846

SDG No.: **BF120224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5005-02	STOCK-PILE	BF140693.D	2-Fluorophenol	150	133.67	89		10	139
			Phenol-d6	150	129.72	86		10	134
			Nitrobenzene-d5	100	95.38	95		49	133
			2-Fluorobiphenyl	100	94.87	95		52	132
			2,4,6-Tribromophenol	150	146.12	97		44	137
			Terphenyl-d14	100	99.96	100		48	125
P5005-02MS	STOCK-PILEMS	BF140694.D	2-Fluorophenol	150	117.40	78		10	139
			Phenol-d6	150	111.44	74		10	134
			Nitrobenzene-d5	100	83.85	84		49	133
			2-Fluorobiphenyl	100	85.60	86		52	132
			2,4,6-Tribromophenol	150	132.61	88		44	137
			Terphenyl-d14	100	82.94	83		48	125
P5005-02MSD	STOCK-PILEMSD	BF140695.D	2-Fluorophenol	150	134.44	90		10	139
			Phenol-d6	150	128.87	86		10	134
			Nitrobenzene-d5	100	95.23	95		49	133
			2-Fluorobiphenyl	100	92.33	92		52	132
			2,4,6-Tribromophenol	150	147.44	98		44	137
			Terphenyl-d14	100	94.76	95		48	125
P5048-04	MH-746-WC	BF140692.D	2-Fluorophenol	150	144.68	96		10	139
			Phenol-d6	150	140.99	94		10	134
			Nitrobenzene-d5	100	102.72	103		49	133
			2-Fluorobiphenyl	100	102.40	102		52	132
			2,4,6-Tribromophenol	150	157.96	105		44	137
			Terphenyl-d14	100	89.45	89		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF120224

Lab Code: CHEM

SAS No.: BF120224 SDG NO.: BF120224

Lab File ID: BF140680.D

DFTPP Injection Date: 12/02/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (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	BF140681.D	12/02/2024	10:22
PB165296BL	PB165296BL	BF140682.D	12/02/2024	10:57
PB165296BS	PB165296BS	BF140683.D	12/02/2024	11:23
PB165296BSD	PB165296BSD	BF140684.D	12/02/2024	11:49
PB165294BL	PB165294BL	BF140685.D	12/02/2024	12:15
PB165294BS	PB165294BS	BF140686.D	12/02/2024	12:41
PB165248TB	PB165248TB	BF140687.D	12/02/2024	13:07
MW-13	P5021-05	BF140688.D	12/02/2024	15:03
MW-11	P5021-04	BF140689.D	12/02/2024	15:29
TW-WTS-02	P5006-18	BF140690.D	12/02/2024	15:55
MW-06	P5021-01	BF140691.D	12/02/2024	16:21
MH-746-WC	P5048-04	BF140692.D	12/02/2024	16:47
STOCK-PILE	P5005-02	BF140693.D	12/02/2024	17:13
STOCK-PILEMS	P5005-02MS	BF140694.D	12/02/2024	17:39
STOCK-PILEMSD	P5005-02MSD	BF140695.D	12/02/2024	18:05
SOIL-1-HAM	P5026-05	BF140696.D	12/02/2024	18:31
SOIL-1-HAMMS	P5026-05MS	BF140697.D	12/02/2024	18:57
SOIL-1-HAMMSD	P5026-05MSD	BF140698.D	12/02/2024	19:23

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF120224

Lab Code: CHEM

SAS No.: BF120224

SDG NO.: BF120224

Lab File ID: BF140680.D

DFTPP Injection Date: 12/02/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (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
SU-04-11222024	P5045-01	BF140699.D	12/02/2024	19:49
HD-01-11272024	P5046-01	BF140700.D	12/02/2024	20:16