

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG No.: BF061724

Instrument ID: BNA_F Calibration Date/Time: 6/17/2024 12:30

Lab File ID: BF138199.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	0.602	0.583		-3.156	
Pyridine	1.300	1.310		0.769	
2-Fluorophenol	1.196	1.175		-1.756	
Benzaldehyde	0.805	0.809		0.497	
Aniline	1.483	1.501		1.214	
Phenol-d6	1.516	1.474		-2.77	
Phenol	1.539	1.551		0.78	20.0
bis(2-Chloroethyl) ether	1.231	1.221		-0.812	
2-Chlorophenol	1.293	1.273		-1.547	
1,2-Dichlorobenzene	1.388	1.315		-5.259	
1,3-Dichlorobenzene	1.469	1.387		-5.582	
1,4-Dichlorobenzene	1.478	1.404		-5.007	20.0
Benzyl Alcohol	1.022	1.038		1.566	
2-Methylphenol	1.020	1.021		0.098	
2,2-oxybis(1-Chloropropane)	1.738	1.707		-1.784	
Acetophenone	0.457	0.432		-5.47	
3+4-Methylphenols	1.284	1.274		-0.779	
n-Nitroso-di-n-propylamine	0.899	0.888	0.050	-1.224	
Nitrobenzene-d5	0.344	0.335		-2.616	
Hexachloroethane	0.501	0.500		-0.2	
Nitrobenzene	0.355	0.349		-1.69	
Isophorone	0.621	0.598		-3.704	
2-Nitrophenol	0.143	0.150		4.895	20.0
2,4-Dimethylphenol	0.217	0.206		-5.069	
bis(2-Chloroethoxy) methane	0.389	0.379		-2.571	
2,4-Dichlorophenol	0.280	0.265		-5.357	20.0
1,2,4-Trichlorobenzene	0.330	0.305		-7.576	
Benzoic acid	0.191	0.183		-4.188	
Naphthalene	0.989	0.918		-7.179	
4-Chloroaniline	0.370	0.354		-4.324	
Hexachlorobutadiene	0.193	0.179		-7.254	20.0
Caprolactam	0.084	0.086		2.381	
4-Chloro-3-methylphenol	0.278	0.274		-1.439	20.0
2-Methylnaphthalene	0.649	0.601		-7.396	
Hexachlorocyclopentadiene	0.191	0.182	0.050	-4.712	
2,4,6-Trichlorophenol	0.366	0.346		-5.464	20.0
2-Fluorobiphenyl	1.258	1.085		-13.752	
2,4,5-Trichlorophenol	0.402	0.385		-4.229	
1,1-Biphenyl	1.468	1.327		-9.605	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG No.: BF061724

Instrument ID: BNA_F Calibration Date/Time: 6/17/2024 1:12:30

Lab File ID: BF138199.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	1.160	1.075		-7.328	
2-Nitroaniline	0.279	0.296		6.093	
Dimethylphthalate	1.225	1.166		-4.816	
Acenaphthylene	1.626	1.489		-8.426	
2,6-Dinitrotoluene	0.266	0.275		3.383	
3-Nitroaniline	0.284	0.291		2.465	
Acenaphthene	1.109	1.019		-8.115	20.0
2,4-Dinitrophenol	0.104	0.098	0.050	-5.769	
4-Nitrophenol	0.224	0.232	0.050	3.571	
Dibenzofuran	1.550	1.416		-8.645	
2,4-Dinitrotoluene	0.328	0.350		6.707	
Diethylphthalate	1.163	1.135		-2.408	
4-Chlorophenyl-phenylether	0.607	0.555		-8.567	
Fluorene	1.219	1.098		-9.926	
4-Nitroaniline	0.284	0.293		3.169	
4,6-Dinitro-2-methylphenol	0.090	0.086		-4.444	
n-Nitrosodiphenylamine	0.612	0.557		-8.987	20.0
Azobenzene	1.165	1.127		-3.262	
2,4,6-Tribromophenol	0.199	0.186		-6.533	
4-Bromophenyl-phenylether	0.225	0.205		-8.889	
Hexachlorobenzene	0.263	0.235		-10.646	
Atrazine	0.174	0.162		-6.897	
Pentachlorophenol	0.153	0.150		-1.961	20.0
Phenanthrene	0.989	0.893		-9.707	
Anthracene	0.982	0.897		-8.656	
Carbazole	0.901	0.834		-7.436	
Di-n-butylphthalate	0.932	0.928		-0.429	
Fluoranthene	1.009	0.934		-7.433	20.0
Benzidine	0.231	0.407		76.19	
Pyrene	1.725	1.606		-6.899	
Terphenyl-d14	1.263	1.145		-9.343	
Butylbenzylphthalate	0.469	0.519		10.661	
3,3-Dichlorobenzidine	0.353	0.348		-1.416	
Benzo(a)anthracene	1.283	1.194		-6.937	
Chrysene	1.223	1.150		-5.969	
Bis(2-ethylhexyl)phthalate	0.546	0.622		13.919	
Di-n-octyl phthalate	0.811	0.832		2.589	20.0
Benzo(b)fluoranthene	1.179	1.115		-5.428	
Benzo(k)fluoranthene	1.156	1.096		-5.19	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG No.: BF061724
 Instrument ID: BNA_F Calibration Date/Time: 6/17/2024 12:30
 Lab File ID: BF138199.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	1.013	0.960		-5.232	20.0
Indeno(1,2,3-cd)pyrene	1.304	1.228		-5.828	
Dibenzo(a,h)anthracene	1.070	1.022		-4.486	
Benzo(g,h,i)perylene	1.107	1.042		-5.872	
1,2,4,5-Tetrachlorobenzene	0.584	0.523		-10.445	
1,4-Dioxane	0.547	0.548		0.183	20.0
2,3,4,6-Tetrachlorophenol	0.314	0.296		-5.732	
1-Methylnaphthalene	0.636	0.590		-7.233	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BL	SDG No.:	BF061724
Lab Sample ID:	PB161511BL	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
BF138200.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BL	SDG No.:	BF061724
Lab Sample ID:	PB161511BL	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
BF138200.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BL	SDG No.:	BF061724
Lab Sample ID:	PB161511BL	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
BF138200.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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	113.702		10-139		76	SPK: -150
13127-88-3	Phenol-d6	111.05		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	77.212		49-133		77	SPK: -100
321-60-8	2-Fluorobiphenyl	69.744		52-132		70	SPK: -100

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BL	SDG No.:	BF061724
Lab Sample ID:	PB161511BL	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
BF138200.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.004		32-145		73	SPK: -150
1718-51-0	Terphenyl-d14	63.679		36-145		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	453181	6.892				
1146-65-2	Naphthalene-d8	1799696	8.169				
15067-26-2	Acenaphthene-d10	996762	9.927				
1517-22-2	Phenanthrene-d10	1786447	11.41				
1719-03-5	Chrysene-d12	1232147	14.045				
1520-96-3	Perylene-d12	1101660	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.6	J			2.293	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.7	A			5.139	

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BS	SDG No.:	BF061724
Lab Sample ID:	PB161511BS	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
BF138201.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.1		1	8	10	ug/L
110-86-1	Pyridine	33		1.6	4	5	ug/L
100-52-7	Benzaldehyde	32		4	8	10	ug/L
62-53-3	Aniline	25.7		1.6	4	5	ug/L
108-95-2	Phenol	43.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	44.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	40.2		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.7		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	39		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44.3		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.5		1.4	4	5	ug/L
98-86-2	Acetophenone	40.7		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.8		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	41.5		1	4	5	ug/L
98-95-3	Nitrobenzene	40.7		1.3	4	5	ug/L
78-59-1	Isophorone	43		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	48.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	45.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.9		1.1	4	5	ug/L
65-85-0	Benzoic acid	44.6		5.5	8	10	ug/L
91-20-3	Naphthalene	38.7		1	4	5	ug/L
106-47-8	4-Chloroaniline	21.2		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	37.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BS	SDG No.:	BF061724
Lab Sample ID:	PB161511BS	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
BF138201.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	46.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.2		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.9		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	95.8	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	43.2		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.1		1	4	5	ug/L
92-52-4	1,1-Biphenyl	39.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	39.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	41.8		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	32.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	42.7		0.81	4	5	ug/L
Total PAH	Total PAH	695.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	80.4	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	92.3	E	2	8	10	ug/L
132-64-9	Dibenzofuran	40		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	91.8		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	47.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	42.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.5		0.98	4	5	ug/L
86-73-7	Fluorene	38.3		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	41.8		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43.6		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41		0.89	4	5	ug/L
103-33-3	Azobenzene	42.2		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	40.6		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	39.5		1.1	4	5	ug/L
1912-24-9	Atrazine	47.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BS	SDG No.:	BF061724
Lab Sample ID:	PB161511BS	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
BF138201.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	78.9		1.9	8	10	ug/L
85-01-8	Phenanthrene	40		0.89	4	5	ug/L
120-12-7	Anthracene	40.7		1.1	4	5	ug/L
86-74-8	Carbazole	40.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.5		1.5	4	5	ug/L
206-44-0	Fluoranthene	39.8		1.3	4	5	ug/L
92-87-5	Benzidine	7.2	J	4.1	8	10	ug/L
129-00-0	Pyrene	40.6		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	53.5		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	40		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	42.5		0.94	4	5	ug/L
218-01-9	Chrysene	42.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.6		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	54.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.6		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.6		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.4		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	46.8		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	32.3		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	37.9		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	116.816		10-139		78	SPK: -150
13127-88-3	Phenol-d6	116.13		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	78.785		49-133		79	SPK: -100
321-60-8	2-Fluorobiphenyl	70.075		52-132		70	SPK: -100

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161511BS	SDG No.:	BF061724
Lab Sample ID:	PB161511BS	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
BF138201.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	113.729		32-145		76	SPK: -150
1718-51-0	Terphenyl-d14	74.18		36-145		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	471853	6.892				
1146-65-2	Naphthalene-d8	1888249	8.175				
15067-26-2	Acenaphthene-d10	1025169	9.933				
1517-22-2	Phenanthrene-d10	1735181	11.416				
1719-03-5	Chrysene-d12	1006668	14.051				
1520-96-3	Perylene-d12	904722	15.521				

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161466TB	SDG No.:	BF061724
Lab Sample ID:	PB161466TB	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
BF138202.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161466TB	SDG No.:	BF061724
Lab Sample ID:	PB161466TB	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
BF138202.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161466TB	SDG No.:	BF061724
Lab Sample ID:	PB161466TB	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
BF138202.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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	115.022		10-139		77	SPK: -150
13127-88-3	Phenol-d6	112.018		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	78.187		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	70.032		52-132		70	SPK: -100

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	PB161466TB	SDG No.:	BF061724
Lab Sample ID:	PB161466TB	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
BF138202.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.113		32-145		72	SPK: -150
1718-51-0	Terphenyl-d14	69.747		36-145		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	424367	6.893				
1146-65-2	Naphthalene-d8	1657130	8.169				
15067-26-2	Acenaphthene-d10	899532	9.928				
1517-22-2	Phenanthrene-d10	1592990	11.41				
1719-03-5	Chrysene-d12	999533	14.045				
1520-96-3	Perylene-d12	907170	15.521				



Client:				Date Collected:	6/17/2024 12:00:00 AM	
Project:				Date Received:	6/17/2024 12:00:00 AM	
Client Sample ID:	PB161522BL			SDG No.:	BF061724	
Lab Sample ID:	PB161522BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138203.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

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

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	PB161522BL	SDG No.:	BF061724
Lab Sample ID:	PB161522BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138203.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	PB161522BL	SDG No.:	BF061724
Lab Sample ID:	PB161522BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138203.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113.671		18-112		76	SPK: -150
13127-88-3	Phenol-d6	111.509		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	77.238		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	69.236		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	PB161522BL	SDG No.:	BF061724
Lab Sample ID:	PB161522BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138203.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.945		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	66.265		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	443438	6.892				
1146-65-2	Naphthalene-d8	1751255	8.175				
15067-26-2	Acenaphthene-d10	974626	9.928				
1517-22-2	Phenanthrene-d10	1753093	11.41				
1719-03-5	Chrysene-d12	1160965	14.045				
1520-96-3	Perylene-d12	1082417	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	82.3	J			2.287	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.14	



Client:				Date Collected:	6/17/2024 12:00:00 AM	
Project:				Date Received:	6/17/2024 12:00:00 AM	
Client Sample ID:	PB161522BS			SDG No.:	BF061724	
Lab Sample ID:	PB161522BS			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
BF138204.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	270	330	ug/Kg
110-86-1	Pyridine	1100		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	1100		180	270	330	ug/Kg
62-53-3	Aniline	830		96.9	130	170	ug/Kg
108-95-2	Phenol	1500		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1300		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	700		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	PB161522BS	SDG No.:	BF061724
Lab Sample ID:	PB161522BS	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
BF138204.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81.1	130	170	ug/Kg
Total PAH	Total PAH	23400		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.6	130	170	ug/Kg
86-73-7	Fluorene	1300		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		85	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	PB161522BS	SDG No.:	BF061724
Lab Sample ID:	PB161522BS	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
BF138204.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1400		84	130	170	ug/Kg
120-12-7	Anthracene	1400		84.4	130	170	ug/Kg
86-74-8	Carbazole	1300		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1300		81.7	130	170	ug/Kg
92-87-5	Benzidine	280	J	160	270	330	ug/Kg
129-00-0	Pyrene	1400		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	130	170	ug/Kg
218-01-9	Chrysene	1400		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.093		18-112		77	SPK: -150
13127-88-3	Phenol-d6	114.857		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	78.247		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	71.122		20-109		71	SPK: -100

Report of Analysis

Client:		Date Collected:	6/17/2024 12:00:00 AM
Project:		Date Received:	6/17/2024 12:00:00 AM
Client Sample ID:	PB161522BS	SDG No.:	BF061724
Lab Sample ID:	PB161522BS	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
BF138204.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.525		10-110		76	SPK: -150
1718-51-0	Terphenyl-d14	75.805		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	451400	6.892				
1146-65-2	Naphthalene-d8	1800975	8.175				
15067-26-2	Acenaphthene-d10	964400	9.927				
1517-22-2	Phenanthrene-d10	1644461	11.416				
1719-03-5	Chrysene-d12	934440	14.051				
1520-96-3	Perylene-d12	861029	15.521				

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-H	SDG No.:	BF061724
Lab Sample ID:	P2864-04	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
BF138205.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-H	SDG No.:	BF061724
Lab Sample ID:	P2864-04	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
BF138205.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-H	SDG No.:	BF061724
Lab Sample ID:	P2864-04	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
BF138205.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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	117.491		10-139		78	SPK: -150
13127-88-3	Phenol-d6	108.358		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	84.617		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	72.654		52-132		73	SPK: -100

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-H	SDG No.:	BF061724
Lab Sample ID:	P2864-04	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
BF138205.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	127.985		32-145		85	SPK: -150
1718-51-0	Terphenyl-d14	73.543		36-145		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	416413	6.892				
1146-65-2	Naphthalene-d8	1636123	8.169				
15067-26-2	Acenaphthene-d10	928716	9.927				
1517-22-2	Phenanthrene-d10	1676277	11.41				
1719-03-5	Chrysene-d12	1102876	14.045				
1520-96-3	Perylene-d12	930456	15.521				

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMS	SDG No.:	BF061724
Lab Sample ID:	P2864-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138206.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	440		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	140		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	470		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	410		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	460		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)	450		13.5	40	50	ug/L
98-86-2	Acetophenone	420		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	440		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	470		14.8	25	25	ug/L
67-72-1	Hexachloroethane	420		10.1	40	50	ug/L
98-95-3	Nitrobenzene	420		12.7	40	50	ug/L
78-59-1	Isophorone	460		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	520		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	500		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	460		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	450		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	400		11	40	50	ug/L
65-85-0	Benzoic acid	470		54.7	80	100	ug/L
91-20-3	Naphthalene	410		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	39.3	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	380		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMS	SDG No.:	BF061724
Lab Sample ID:	P2864-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138206.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	470		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	480		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1200	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	440		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	420		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	410		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	500		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	470		9.3	40	50	ug/L
208-96-8	Acenaphthylene	460		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	490		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	92.4		13.7	40	50	ug/L
83-32-9	Acenaphthene	460		8.1	40	50	ug/L
Total PAH	Total PAH	7280		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	900	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	840	E	20	80	100	ug/L
132-64-9	Dibenzofuran	430		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	420		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	530		15.2	40	50	ug/L
84-66-2	Diethylphthalate	470		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	420		9.8	40	50	ug/L
86-73-7	Fluorene	410		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	370		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	490		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	390		8.9	40	50	ug/L
103-33-3	Azobenzene	460		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	440		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	420		11.4	40	50	ug/L
1912-24-9	Atrazine	260		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMS	SDG No.:	BF061724
Lab Sample ID:	P2864-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138206.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	860	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	430		8.9	40	50	ug/L
120-12-7	Anthracene	440		10.7	40	50	ug/L
86-74-8	Carbazole	370		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	500		14.7	40	50	ug/L
206-44-0	Fluoranthene	420		12.9	40	50	ug/L
92-87-5	Benzidine	60.8	J	40.7	80	100	ug/L
129-00-0	Pyrene	460		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	690		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	63.9	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	460		9.4	40	50	ug/L
218-01-9	Chrysene	470		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	780		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	780		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	490		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	500		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	520		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	470		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	470		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	410		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	400		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	380		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	470		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	410		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	114.78		10-139		77	SPK: -150
13127-88-3	Phenol-d6	109.861		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	81.84		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	73.334		52-132		73	SPK: -100

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMS	SDG No.:	BF061724
Lab Sample ID:	P2864-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138206.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	120.968		32-145		81	SPK: -150
1718-51-0	Terphenyl-d14	82.345		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	430679	6.892				
1146-65-2	Naphthalene-d8	1746732	8.175				
15067-26-2	Acenaphthene-d10	978494	9.927				
1517-22-2	Phenanthrene-d10	1699749	11.416				
1719-03-5	Chrysene-d12	924261	14.051				
1520-96-3	Perylene-d12	856312	15.521				

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMSD	SDG No.:	BF061724
Lab Sample ID:	P2864-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138207.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	450		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	140		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	470		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	420		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	400		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	410		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	450		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)	450		13.5	40	50	ug/L
98-86-2	Acetophenone	420		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	440		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	470		14.8	25	25	ug/L
67-72-1	Hexachloroethane	430		10.1	40	50	ug/L
98-95-3	Nitrobenzene	430		12.7	40	50	ug/L
78-59-1	Isophorone	450		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	530		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	490		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	450		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	450		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	400		11	40	50	ug/L
65-85-0	Benzoic acid	460		54.7	80	100	ug/L
91-20-3	Naphthalene	410		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	34.3	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	390		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMSD	SDG No.:	BF061724
Lab Sample ID:	P2864-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138207.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	460		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	480		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1200	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	440		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	420		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	420		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	510		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	470		9.3	40	50	ug/L
208-96-8	Acenaphthylene	460		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	500		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	87.5		13.7	40	50	ug/L
83-32-9	Acenaphthene	470		8.1	40	50	ug/L
Total PAH	Total PAH	7270		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	920	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	850	E	20	80	100	ug/L
132-64-9	Dibenzofuran	430		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	540		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	040		27.6	40	100	ug/L
84-66-2	Diethylphthalate	480		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	430		9.8	40	50	ug/L
86-73-7	Fluorene	420		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	380		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	490		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	400		8.9	40	50	ug/L
103-33-3	Azobenzene	470		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	440		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	420		11.4	40	50	ug/L
1912-24-9	Atrazine	290		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMSD	SDG No.:	BF061724
Lab Sample ID:	P2864-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138207.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	870	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	430		8.9	40	50	ug/L
120-12-7	Anthracene	440		10.7	40	50	ug/L
86-74-8	Carbazole	390		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	500		14.7	40	50	ug/L
206-44-0	Fluoranthene	440		12.9	40	50	ug/L
92-87-5	Benzidine	69.2	J	40.7	80	100	ug/L
129-00-0	Pyrene	460		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	700		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	70.4	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	460		9.4	40	50	ug/L
218-01-9	Chrysene	470		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	770		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	770		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	500		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	500		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	510		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	450		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	460		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	390		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	410		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	380		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	480		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	400		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	114.451		10-139		76	SPK: -150
13127-88-3	Phenol-d6	109.659		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	82.503		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	73.85		52-132		74	SPK: -100

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	WC-HMSD	SDG No.:	BF061724
Lab Sample ID:	P2864-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138207.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	123.672		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	82.372		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	420748	6.892				
1146-65-2	Naphthalene-d8	1696142	8.175				
15067-26-2	Acenaphthene-d10	936318	9.928				
1517-22-2	Phenanthrene-d10	1648778	11.416				
1719-03-5	Chrysene-d12	921354	14.051				
1520-96-3	Perylene-d12	827765	15.521				

Report of Analysis

Client:		Date Collected:	6/12/2024 12:00:00 AM
Project:		Date Received:	6/12/2024 12:00:00 AM
Client Sample ID:	WC-I	SDG No.:	BF061724
Lab Sample ID:	P2864-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138208.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/12/2024 12:00:00 AM
Project:		Date Received:	6/12/2024 12:00:00 AM
Client Sample ID:	WC-I	SDG No.:	BF061724
Lab Sample ID:	P2864-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138208.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/12/2024 12:00:00 AM
Project:		Date Received:	6/12/2024 12:00:00 AM
Client Sample ID:	WC-I	SDG No.:	BF061724
Lab Sample ID:	P2864-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138208.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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	710		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	118.08		10-139		79	SPK: -150
13127-88-3	Phenol-d6	107.474		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	86.288		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	73.989		52-132		74	SPK: -100

Report of Analysis

Client:		Date Collected:	6/12/2024 12:00:00 AM
Project:		Date Received:	6/12/2024 12:00:00 AM
Client Sample ID:	WC-I	SDG No.:	BF061724
Lab Sample ID:	P2864-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138208.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.924		32-145		85	SPK: -150
1718-51-0	Terphenyl-d14	76.953		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	428726	6.892				
1146-65-2	Naphthalene-d8	1676948	8.169				
15067-26-2	Acenaphthene-d10	938428	9.922				
1517-22-2	Phenanthrene-d10	1668377	11.41				
1719-03-5	Chrysene-d12	1027224	14.045				
1520-96-3	Perylene-d12	870515	15.515				

Report of Analysis

Client:		Date Collected:	6/13/2024 12:00:00 AM
Project:		Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	WCS-TPJ	SDG No.:	BF061724
Lab Sample ID:	P2889-04	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
BF138209.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/13/2024 12:00:00 AM
Project:		Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	WCS-TPJ	SDG No.:	BF061724
Lab Sample ID:	P2889-04	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
BF138209.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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:	6/13/2024 12:00:00 AM
Project:		Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	WCS-TPJ	SDG No.:	BF061724
Lab Sample ID:	P2889-04	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
BF138209.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

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	150		40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.439		10-139		83	SPK: -150
13127-88-3	Phenol-d6	113.419		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	90.712		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	77.987		52-132		78	SPK: -100

Report of Analysis

Client:		Date Collected:	6/13/2024 12:00:00 AM
Project:		Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	WCS-TPJ	SDG No.:	BF061724
Lab Sample ID:	P2889-04	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
BF138209.D	1	6/14/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.777		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	86.63		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	410003	6.892				
1146-65-2	Naphthalene-d8	1569193	8.169				
15067-26-2	Acenaphthene-d10	886916	9.922				
1517-22-2	Phenanthrene-d10	1597885	11.41				
1719-03-5	Chrysene-d12	950734	14.045				
1520-96-3	Perylene-d12	828238	15.515				

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SP	SDG No.:	BF061724
Lab Sample ID:	P2883-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138210.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.8	U	54.8	170	210	ug/Kg
110-86-1	Pyridine	50.5	U	50.5	82.1	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	61.2	U	61.2	82.1	110	ug/Kg
108-95-2	Phenol	52.4	U	52.4	82.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.9	U	52.9	82.1	110	ug/Kg
95-57-8	2-Chlorophenol	52.7	U	52.7	82.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.4	U	53.4	82.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.3	U	54.3	82.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.6	U	54.6	82.1	110	ug/Kg
100-51-6	Benzyl Alcohol	52.4	U	52.4	170	210	ug/Kg
95-48-7	2-Methylphenol	50.9	U	50.9	82.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.4	U	57.4	82.1	110	ug/Kg
98-86-2	Acetophenone	54.9	U	54.9	82.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.4	U	50.4	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.4	U	25.4	50.5	50.5	ug/Kg
67-72-1	Hexachloroethane	52.4	U	52.4	82.1	110	ug/Kg
98-95-3	Nitrobenzene	57.3	U	57.3	82.1	110	ug/Kg
78-59-1	Isophorone	53.4	U	53.4	82.1	110	ug/Kg
88-75-5	2-Nitrophenol	59.7	U	59.7	82.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.9	U	58.9	82.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.2	U	54.2	82.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.7	U	47.7	82.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.9	U	53.9	82.1	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.2	U	52.2	82.1	110	ug/Kg
106-47-8	4-Chloroaniline	52.2	U	52.2	82.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.6	U	52.6	82.1	110	ug/Kg



Client:				Date Collected:	6/14/2024 12:00:00 AM	
Project:				Date Received:	6/14/2024 12:00:00 AM	
Client Sample ID:	Soil/Gravel-SP			SDG No.:	BF061724	
Lab Sample ID:	P2883-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.1	
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138210.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.8	U	54.8	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.9	U	48.9	82.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.1	U	52.1	82.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	98.5	U	98.5	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.1	U	45.1	82.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.7	U	46.7	82.1	110	ug/Kg
92-52-4	1,1-Biphenyl	55.2	U	55.2	82.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.6	U	52.6	82.1	110	ug/Kg
88-74-4	2-Nitroaniline	60	U	60	82.1	110	ug/Kg
131-11-3	Dimethylphthalate	51.6	U	51.6	82.1	110	ug/Kg
208-96-8	Acenaphthylene	54.6	U	54.6	82.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.5	U	52.5	82.1	110	ug/Kg
99-09-2	3-Nitroaniline	56.3	U	56.3	82.1	110	ug/Kg
83-32-9	Acenaphthene	51.2	U	51.2	82.1	110	ug/Kg
Total PAH	Total PAH	836.8	U	836.8	82.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.3	U	73.3	170	210	ug/Kg
132-64-9	Dibenzofuran	53.3	U	53.3	82.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	106.9	U	106.9	82.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.4	U	54.4	82.1	110	ug/Kg
84-66-2	Diethylphthalate	50.6	U	50.6	82.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.1	U	54.1	82.1	110	ug/Kg
86-73-7	Fluorene	54	U	54	82.1	110	ug/Kg
100-01-6	4-Nitroaniline	67.6	U	67.6	82.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.9	U	73.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.5	U	51.5	82.1	110	ug/Kg
103-33-3	Azobenzene	50.3	U	50.3	82.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.8	U	49.8	82.1	110	ug/Kg
118-74-1	Hexachlorobenzene	53.7	U	53.7	82.1	110	ug/Kg
1912-24-9	Atrazine	57.7	U	57.7	82.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SP	SDG No.:	BF061724
Lab Sample ID:	P2883-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138210.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.8	U	48.8	170	210	ug/Kg
85-01-8	Phenanthrene	53	U	53	82.1	110	ug/Kg
120-12-7	Anthracene	53.3	U	53.3	82.1	110	ug/Kg
86-74-8	Carbazole	50.7	U	50.7	82.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.2	U	53.2	82.1	110	ug/Kg
206-44-0	Fluoranthene	51.6	U	51.6	82.1	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	52.4	U	52.4	82.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.1	U	61.1	82.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.3	U	62.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	51	U	51	82.1	110	ug/Kg
218-01-9	Chrysene	50.2	U	50.2	82.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.5	U	57.5	82.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69.5	U	69.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.2	U	51.2	82.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.2	U	52.2	82.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	58.7	U	58.7	82.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49.3	U	49.3	82.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.3	U	51.3	82.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50.6	U	50.6	82.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.8	U	54.8	82.1	110	ug/Kg
123-91-1	1,4-Dioxane	69.5	U	69.5	82.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.2	U	47.2	82.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.5	U	52.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	107.627		18-112		72	SPK: -150
13127-88-3	Phenol-d6	105.707		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	72.627		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	65.456		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SP	SDG No.:	BF061724
Lab Sample ID:	P2883-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138210.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.067		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	76.613		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	387474	6.892				
1146-65-2	Naphthalene-d8	1512827	8.169				
15067-26-2	Acenaphthene-d10	839877	9.922				
1517-22-2	Phenanthrene-d10	1463658	11.41				
1719-03-5	Chrysene-d12	818992	14.045				
1520-96-3	Perylene-d12	800002	15.515				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			2.234	
000057-55-6	Propylene Glycol	69.9	J			3.44	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.122	
000770-35-4	1-Phenoxypropan-2-ol	57	J			8.48	
000057-10-3	n-Hexadecanoic acid	98.3	J			11.939	
000057-11-4	Octadecanoic acid	67.1	J			12.721	
000192-97-2	Benzo[e]pyrene	42.7	J			15.08	

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SPMS	SDG No.:	BF061724
Lab Sample ID:	P2883-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BF138211.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	980		54.8	170	210	ug/Kg
110-86-1	Pyridine	890		50.4	82.1	110	ug/Kg
100-52-7	Benzaldehyde	310		110	170	210	ug/Kg
62-53-3	Aniline	790		61.2	82.1	110	ug/Kg
108-95-2	Phenol	1000		52.3	82.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		52.8	82.1	110	ug/Kg
95-57-8	2-Chlorophenol	1000		52.7	82.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	910		53.4	82.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	880		54.3	82.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	900		54.6	82.1	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		52.4	170	210	ug/Kg
95-48-7	2-Methylphenol	1000		50.9	82.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		57.4	82.1	110	ug/Kg
98-86-2	Acetophenone	880		54.9	82.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	960		50.4	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	970		25.4	50.5	50.5	ug/Kg
67-72-1	Hexachloroethane	940		52.4	82.1	110	ug/Kg
98-95-3	Nitrobenzene	920		57.3	82.1	110	ug/Kg
78-59-1	Isophorone	960		53.4	82.1	110	ug/Kg
88-75-5	2-Nitrophenol	1100		59.7	82.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		58.8	82.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	960		54.2	82.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	960		47.7	82.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	870		53.9	82.1	110	ug/Kg
65-85-0	Benzoic acid	1000		150	170	210	ug/Kg
91-20-3	Naphthalene	870		52.1	82.1	110	ug/Kg
106-47-8	4-Chloroaniline	300		52.1	82.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	830		52.6	82.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SPMS	SDG No.:	BF061724
Lab Sample ID:	P2883-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BF138211.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		54.8	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		48.9	82.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	900		52.1	82.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2700	E	98.5	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		45.1	82.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		46.7	82.1	110	ug/Kg
92-52-4	1,1-Biphenyl	860		55.2	82.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	890		52.6	82.1	110	ug/Kg
88-74-4	2-Nitroaniline	1100		60	82.1	110	ug/Kg
131-11-3	Dimethylphthalate	960		51.6	82.1	110	ug/Kg
208-96-8	Acenaphthylene	960		54.6	82.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		52.5	82.1	110	ug/Kg
99-09-2	3-Nitroaniline	720		56.3	82.1	110	ug/Kg
83-32-9	Acenaphthene	970		51.2	82.1	110	ug/Kg
Total PAH	Total PAH	14950		836.5	82.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1900	E	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	2000	E	73.2	170	210	ug/Kg
132-64-9	Dibenzofuran	910		53.3	82.1	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		54.4	82.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		106.9	82.1	220	ug/Kg
84-66-2	Diethylphthalate	990		50.6	82.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	890		54	82.1	110	ug/Kg
86-73-7	Fluorene	870		54	82.1	110	ug/Kg
100-01-6	4-Nitroaniline	940		67.5	82.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		73.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	930		51.5	82.1	110	ug/Kg
103-33-3	Azobenzene	980		50.2	82.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	930		49.8	82.1	110	ug/Kg
118-74-1	Hexachlorobenzene	880		53.7	82.1	110	ug/Kg
1912-24-9	Atrazine	1100		57.7	82.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SPMS	SDG No.:	BF061724
Lab Sample ID:	P2883-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BF138211.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800	E	48.8	170	210	ug/Kg
85-01-8	Phenanthrene	900		53	82.1	110	ug/Kg
120-12-7	Anthracene	930		53.3	82.1	110	ug/Kg
86-74-8	Carbazole	880		50.7	82.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		53.2	82.1	110	ug/Kg
206-44-0	Fluoranthene	880		51.6	82.1	110	ug/Kg
92-87-5	Benzidine	2200	E	100	170	210	ug/Kg
129-00-0	Pyrene	980		52.4	82.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	1400		61.1	82.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	940		62.2	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	970		50.9	82.1	110	ug/Kg
218-01-9	Chrysene	990		50.2	82.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		57.4	82.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		69.4	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	960		51.2	82.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	940		52.1	82.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		58.7	82.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	950		49.3	82.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		51.3	82.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		50.6	82.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	840		54.8	82.1	110	ug/Kg
123-91-1	1,4-Dioxane	810		69.4	82.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		47.2	82.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	860		52.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.177		18-112		69	SPK: -150
13127-88-3	Phenol-d6	104.885		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	70.521		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	64.526		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SPMS	SDG No.:	BF061724
Lab Sample ID:	P2883-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BF138211.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.481		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	75.631		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	407656	6.892				
1146-65-2	Naphthalene-d8	1630789	8.175				
15067-26-2	Acenaphthene-d10	892654	9.927				
1517-22-2	Phenanthrene-d10	1547026	11.416				
1719-03-5	Chrysene-d12	802352	14.051				
1520-96-3	Perylene-d12	872455	15.521				



Client:				Date Collected:	6/14/2024 12:00:00 AM	
Project:				Date Received:	6/14/2024 12:00:00 AM	
Client Sample ID:	Soil/Gravel-SPMSD			SDG No.:	BF061724	
Lab Sample ID:	P2883-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.1	
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
BF138212.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.8	170	210	ug/Kg
110-86-1	Pyridine	960		50.5	82.1	110	ug/Kg
100-52-7	Benzaldehyde	330		110	170	210	ug/Kg
62-53-3	Aniline	840		61.2	82.1	110	ug/Kg
108-95-2	Phenol	1100		52.4	82.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		52.9	82.1	110	ug/Kg
95-57-8	2-Chlorophenol	1100		52.8	82.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	980		53.4	82.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	950		54.3	82.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	960		54.6	82.1	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		52.4	170	210	ug/Kg
95-48-7	2-Methylphenol	1100		50.9	82.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		57.4	82.1	110	ug/Kg
98-86-2	Acetophenone	950		54.9	82.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		50.4	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		25.5	50.5	50.5	ug/Kg
67-72-1	Hexachloroethane	1000		52.4	82.1	110	ug/Kg
98-95-3	Nitrobenzene	1000		57.4	82.1	110	ug/Kg
78-59-1	Isophorone	1100		53.4	82.1	110	ug/Kg
88-75-5	2-Nitrophenol	1300		59.7	82.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		58.9	82.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		54.2	82.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		47.7	82.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	940		54	82.1	110	ug/Kg
65-85-0	Benzoic acid	1200		150	170	210	ug/Kg
91-20-3	Naphthalene	950		52.2	82.1	110	ug/Kg
106-47-8	4-Chloroaniline	300		52.2	82.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	910		52.6	82.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SPMSD	SDG No.:	BF061724
Lab Sample ID:	P2883-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BF138212.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		54.8	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		49	82.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	970		52.1	82.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	98.6	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		45.1	82.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		46.7	82.1	110	ug/Kg
92-52-4	1,1-Biphenyl	920		55.2	82.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	950		52.6	82.1	110	ug/Kg
88-74-4	2-Nitroaniline	1200		60	82.1	110	ug/Kg
131-11-3	Dimethylphthalate	1000		51.6	82.1	110	ug/Kg
208-96-8	Acenaphthylene	1000		54.6	82.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		52.6	82.1	110	ug/Kg
99-09-2	3-Nitroaniline	800		56.4	82.1	110	ug/Kg
83-32-9	Acenaphthene	1100		51.2	82.1	110	ug/Kg
Total PAH	Total PAH	16090		837	82.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	2200	E	73.3	170	210	ug/Kg
132-64-9	Dibenzofuran	970		53.3	82.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		107.1	82.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		54.5	82.1	110	ug/Kg
84-66-2	Diethylphthalate	1000		50.6	82.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		54.1	82.1	110	ug/Kg
86-73-7	Fluorene	940		54	82.1	110	ug/Kg
100-01-6	4-Nitroaniline	1000		67.6	82.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		73.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		51.5	82.1	110	ug/Kg
103-33-3	Azobenzene	1000		50.3	82.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		49.8	82.1	110	ug/Kg
118-74-1	Hexachlorobenzene	950		53.7	82.1	110	ug/Kg
1912-24-9	Atrazine	1100		57.7	82.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SPMSD	SDG No.:	BF061724
Lab Sample ID:	P2883-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BF138212.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	E	48.8	170	210	ug/Kg
85-01-8	Phenanthrene	980		53.1	82.1	110	ug/Kg
120-12-7	Anthracene	1000		53.3	82.1	110	ug/Kg
86-74-8	Carbazole	950		50.7	82.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		53.3	82.1	110	ug/Kg
206-44-0	Fluoranthene	940		51.6	82.1	110	ug/Kg
92-87-5	Benzidine	2300	E	100	170	210	ug/Kg
129-00-0	Pyrene	1100		52.4	82.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	1600		61.2	82.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		62.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1000		51	82.1	110	ug/Kg
218-01-9	Chrysene	1100		50.2	82.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800	E	57.5	82.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1800	E	69.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		51.2	82.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		52.2	82.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		58.8	82.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		49.3	82.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		51.3	82.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	900		50.6	82.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	900		54.8	82.1	110	ug/Kg
123-91-1	1,4-Dioxane	880		69.5	82.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		47.2	82.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	930		52.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	112.487		18-112		75	SPK: -150
13127-88-3	Phenol-d6	112.554		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	78.169		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	68.671		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	6/14/2024 12:00:00 AM
Project:		Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	Soil/Gravel-SPMSD	SDG No.:	BF061724
Lab Sample ID:	P2883-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BF138212.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	110.325		10-110		74	SPK: -150
1718-51-0	Terphenyl-d14	80.559		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	391449	6.892				
1146-65-2	Naphthalene-d8	1541360	8.175				
15067-26-2	Acenaphthene-d10	848450	9.928				
1517-22-2	Phenanthrene-d10	1462437	11.416				
1719-03-5	Chrysene-d12	764249	14.051				
1520-96-3	Perylene-d12	829469	15.515				

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PE-4(0-0.5)	SDG No.:	BF061724
Lab Sample ID:	P2848-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138213.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.7	U	92.7	290	350	ug/Kg
110-86-1	Pyridine	85.3	U	85.3	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.6	U	88.6	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.4	U	89.4	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.2	U	89.2	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.4	U	90.4	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.9	U	91.9	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.4	U	92.4	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.7	U	88.7	290	350	ug/Kg
95-48-7	2-Methylphenol	86.1	U	86.1	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.1	U	97.1	140	180	ug/Kg
98-86-2	Acetophenone	92.8	U	92.8	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.2	U	85.2	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43	U	43	85.5	85.5	ug/Kg
67-72-1	Hexachloroethane	88.7	U	88.7	140	180	ug/Kg
98-95-3	Nitrobenzene	97	U	97	140	180	ug/Kg
78-59-1	Isophorone	90.4	U	90.4	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.6	U	91.6	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.6	U	80.6	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.2	U	91.2	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.2	U	88.2	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.2	U	88.2	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89	U	89	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PE-4(0-0.5)	SDG No.:	BF061724
Lab Sample ID:	P2848-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138213.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.7	U	92.7	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.8	U	82.8	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.1	U	88.1	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.3	U	76.3	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79	U	79	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.4	U	93.4	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89	U	89	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.3	U	87.3	140	180	ug/Kg
208-96-8	Acenaphthylene	92.4	U	92.4	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.9	U	88.9	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.3	U	95.3	140	180	ug/Kg
83-32-9	Acenaphthene	86.6	U	86.6	140	180	ug/Kg
Total PAH	Total PAH	1415.3	U	1415.3	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.2	U	90.2	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81	U	181	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.1	U	92.1	140	180	ug/Kg
84-66-2	Diethylphthalate	85.6	U	85.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.4	U	91.4	140	180	ug/Kg
86-73-7	Fluorene	91.3	U	91.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.2	U	87.2	140	180	ug/Kg
103-33-3	Azobenzene	85	U	85	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.3	U	84.3	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.8	U	90.8	140	180	ug/Kg
1912-24-9	Atrazine	97.6	U	97.6	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PE-4(0-0.5)	SDG No.:	BF061724
Lab Sample ID:	P2848-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138213.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.6	U	82.6	290	350	ug/Kg
85-01-8	Phenanthrene	89.7	U	89.7	140	180	ug/Kg
120-12-7	Anthracene	90.2	U	90.2	140	180	ug/Kg
86-74-8	Carbazole	85.8	U	85.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90	U	90	140	180	ug/Kg
206-44-0	Fluoranthene	87.3	U	87.3	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.7	U	88.7	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.2	U	86.2	140	180	ug/Kg
218-01-9	Chrysene	84.9	U	84.9	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.2	U	97.2	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.6	U	86.6	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.2	U	88.2	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.3	U	99.3	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.4	U	83.4	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.7	U	86.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.6	U	85.6	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.7	U	92.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.8	U	79.8	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.9	U	88.9	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.696		18-112		49	SPK: -150
13127-88-3	Phenol-d6	71.724		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	49.115		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	47.534		20-109		48	SPK: -100

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PE-4(0-0.5)	SDG No.:	BF061724
Lab Sample ID:	P2848-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138213.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.994		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	51.365		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	420163	6.892				
1146-65-2	Naphthalene-d8	1615198	8.169				
15067-26-2	Acenaphthene-d10	879464	9.922				
1517-22-2	Phenanthrene-d10	1504179	11.41				
1719-03-5	Chrysene-d12	815079	14.045				
1520-96-3	Perylene-d12	869912	15.515				

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	DUP	SDG No.:	BF061724
Lab Sample ID:	P2848-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF138214.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	310	380	ug/Kg
110-86-1	Pyridine	92.8	U	92.8	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	96.3	U	96.3	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.2	U	97.2	150	200	ug/Kg
95-57-8	2-Chlorophenol	97	U	97	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.3	U	98.3	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	99.9	U	99.9	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	96.4	U	96.4	310	380	ug/Kg
95-48-7	2-Methylphenol	93.6	U	93.6	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	92.7	U	92.7	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.8	U	46.8	92.9	92.9	ug/Kg
67-72-1	Hexachloroethane	96.4	U	96.4	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	98.3	U	98.3	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	99.7	U	99.7	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	87.7	U	87.7	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.2	U	99.2	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	310	380	ug/Kg
91-20-3	Naphthalene	96	U	96	150	200	ug/Kg
106-47-8	4-Chloroaniline	96	U	96	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.8	U	96.8	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	DUP	SDG No.:	BF061724
Lab Sample ID:	P2848-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF138214.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90	U	90	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	95.8	U	95.8	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.9	U	82.9	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86	U	86	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	96.8	U	96.8	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	94.9	U	94.9	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.6	U	96.6	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.2	U	94.2	150	200	ug/Kg
Total PAH	Total PAH	1540.6	U	1540.6	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	98	U	98	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	96.6	U	196.6	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
84-66-2	Diethylphthalate	93	U	93	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.4	U	99.4	150	200	ug/Kg
86-73-7	Fluorene	99.3	U	99.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	94.8	U	94.8	150	200	ug/Kg
103-33-3	Azobenzene	92.5	U	92.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	91.7	U	91.7	150	200	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	DUP	SDG No.:	BF061724
Lab Sample ID:	P2848-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF138214.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	89.8	U	89.8	310	380	ug/Kg
85-01-8	Phenanthrene	97.6	U	97.6	150	200	ug/Kg
120-12-7	Anthracene	98	U	98	150	200	ug/Kg
86-74-8	Carbazole	93.3	U	93.3	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.9	U	97.9	150	200	ug/Kg
206-44-0	Fluoranthene	94.9	U	94.9	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	96.4	U	96.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	93.7	U	93.7	150	200	ug/Kg
218-01-9	Chrysene	92.3	U	92.3	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.2	U	94.2	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	96	U	96	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.7	U	90.7	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.3	U	94.3	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93	U	93	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	86.8	U	86.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	96.6	U	96.6	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84		18-112		56	SPK: -150
13127-88-3	Phenol-d6	81.509		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	56.377		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	53.482		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	DUP	SDG No.:	BF061724
Lab Sample ID:	P2848-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF138214.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.994		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	56.208		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	397226	6.892				
1146-65-2	Naphthalene-d8	1530916	8.169				
15067-26-2	Acenaphthene-d10	831124	9.922				
1517-22-2	Phenanthrene-d10	1433868	11.41				
1719-03-5	Chrysene-d12	795154	14.045				
1520-96-3	Perylene-d12	846339	15.515				

Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM		
Project:				Date Received:	6/10/2024 12:00:00 AM		
Client Sample ID:	EXT-PE1			SDG No.:	BF061724		
Lab Sample ID:	P2847-05			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	18.1		
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138215.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	400	ug/Kg
110-86-1	Pyridine	97.4	U	97.4	160	210	ug/Kg
100-52-7	Benzaldehyde	220	U	220	330	400	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	400	ug/Kg
95-48-7	2-Methylphenol	98.3	U	98.3	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	97.3	U	97.3	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.1	U	49.1	97.6	97.6	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	92.1	U	92.1	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	400	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	EXT-PE1	SDG No.:	BF061724
Lab Sample ID:	P2847-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138215.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94.5	U	94.5	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.1	U	87.1	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	90.2	U	90.2	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	99.6	U	99.6	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	98.9	U	98.9	160	210	ug/Kg
Total PAH	Total PAH	9070	U	1604.6	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	97.7	U	97.7	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	160	210	ug/Kg
86-73-7	Fluorene	100	U	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.5	U	99.5	160	210	ug/Kg
103-33-3	Azobenzene	97.1	U	97.1	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	96.2	U	96.2	160	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	EXT-PE1	SDG No.:	BF061724
Lab Sample ID:	P2847-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138215.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	94.3	U	94.3	330	400	ug/Kg
85-01-8	Phenanthrene	560		100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	97.9	U	97.9	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	1500		99.6	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	400	ug/Kg
129-00-0	Pyrene	930		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	820		98.4	160	210	ug/Kg
218-01-9	Chrysene	1100		96.9	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220		110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		98.9	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	560		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1000		110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	500		95.2	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	99	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	560		97.7	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	91.1	U	91.1	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.401		18-112		54	SPK: -150
13127-88-3	Phenol-d6	78.188		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	56.732		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	55.202		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	EXT-PE1	SDG No.:	BF061724
Lab Sample ID:	P2847-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138215.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67.431		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	39.632		14-112		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	435021	6.892				
1146-65-2	Naphthalene-d8	1647372	8.175				
15067-26-2	Acenaphthene-d10	813328	9.927				
1517-22-2	Phenanthrene-d10	949747	11.416				
1719-03-5	Chrysene-d12	824660	14.057				
1520-96-3	Perylene-d12	815453	15.527				

Report of Analysis

Client:		Date Collected:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	EXT-PE4	SDG No.:	BF061724
Lab Sample ID:	P2847-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.6
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
BF138216.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	430	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	350	430	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	430	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	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.9	U	51.9	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	97.3	U	97.3	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	310	U	310	350	430	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:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	EXT-PE4	SDG No.:	BF061724
Lab Sample ID:	P2847-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138216.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.8	U	99.8	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92	U	92	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.3	U	95.3	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	110	U	110	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	14920	U	1700	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	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	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	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:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	EXT-PE4	SDG No.:	BF061724
Lab Sample ID:	P2847-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.6
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
BF138216.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	99.6	U	99.6	350	430	ug/Kg
85-01-8	Phenanthrene	1100		110	170	220	ug/Kg
120-12-7	Anthracene	250		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	2700		110	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	430	ug/Kg
129-00-0	Pyrene	1600		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	430	ug/Kg
56-55-3	Benzo(a)anthracene	1400		100	170	220	ug/Kg
218-01-9	Chrysene	1500		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	680		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	1500		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230		100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		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	96.2	U	96.2	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.76		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.704		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	59.931		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	61.605		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	EXT-PE4	SDG No.:	BF061724
Lab Sample ID:	P2847-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.6
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
BF138216.D	1	6/17/2024 12:00:00 AM	6/17/2024 12:00:00 AM	PB161522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	66.273		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	43.005		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	390833	6.892				
1146-65-2	Naphthalene-d8	1445986	8.175				
15067-26-2	Acenaphthene-d10	667989	9.927				
1517-22-2	Phenanthrene-d10	791371	11.416				
1719-03-5	Chrysene-d12	693853	14.057				
1520-96-3	Perylene-d12	628450	15.527				



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Hit Summary Sheet SW-846

SDG No.: BF061724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EXT-PE1								
P2847-05	EXT-PE1	Solid	Benzo(a)anthracene	820.000		98.4	210	ug/Kg
P2847-05	EXT-PE1	Solid	Benzo(a)pyrene	1,000.000		110	210	ug/Kg
P2847-05	EXT-PE1	Solid	Benzo(b)fluoranthene	1,400.000		98.9	210	ug/Kg
P2847-05	EXT-PE1	Solid	Benzo(g,h,i)perylene	560.000		97.7	210	ug/Kg
P2847-05	EXT-PE1	Solid	Benzo(k)fluoranthene	560.000		100	210	ug/Kg
P2847-05	EXT-PE1	Solid	Bis(2-ethylhexyl)phthalate	220.000		110	210	ug/Kg
P2847-05	EXT-PE1	Solid	Chrysene	1,100.000		96.9	210	ug/Kg
P2847-05	EXT-PE1	Solid	Dibenzo(a,h)anthracene	140.000	J	99	210	ug/Kg
P2847-05	EXT-PE1	Solid	Fluoranthene	1,500.000		99.6	210	ug/Kg
P2847-05	EXT-PE1	Solid	Indeno(1,2,3-cd)pyrene	500.000		95.2	210	ug/Kg
P2847-05	EXT-PE1	Solid	Phenanthrene	560.000		100	210	ug/Kg
P2847-05	EXT-PE1	Solid	Pyrene	930.000		100	210	ug/Kg
Total Svoc :				9,290.00				
Total Concentration:				9,290.00				
Client ID : EXT-PE4								
P2847-08	EXT-PE4	Solid	Anthracene	250.000		110	220	ug/Kg
P2847-08	EXT-PE4	Solid	Benzo(a)anthracene	1,400.000		100	220	ug/Kg
P2847-08	EXT-PE4	Solid	Benzo(a)pyrene	1,500.000		120	220	ug/Kg
P2847-08	EXT-PE4	Solid	Benzo(b)fluoranthene	2,300.000		100	220	ug/Kg
P2847-08	EXT-PE4	Solid	Benzo(g,h,i)perylene	890.000		100	220	ug/Kg
P2847-08	EXT-PE4	Solid	Benzo(k)fluoranthene	680.000		110	220	ug/Kg
P2847-08	EXT-PE4	Solid	Bis(2-ethylhexyl)phthalate	180.000	J	120	220	ug/Kg
P2847-08	EXT-PE4	Solid	Chrysene	1,500.000		100	220	ug/Kg
P2847-08	EXT-PE4	Solid	Dibenzo(a,h)anthracene	230.000		100	220	ug/Kg
P2847-08	EXT-PE4	Solid	Fluoranthene	2,700.000		110	220	ug/Kg
P2847-08	EXT-PE4	Solid	Indeno(1,2,3-cd)pyrene	770.000		100	220	ug/Kg
P2847-08	EXT-PE4	Solid	Phenanthrene	1,100.000		110	220	ug/Kg
P2847-08	EXT-PE4	Solid	Pyrene	1,600.000		110	220	ug/Kg
Total Svoc :				15,100.00				
Total Concentration:				15,100.00				
Client ID : WC-I								
P2864-08	WC-I	water	Benzidine	710.000		40.7	100	ug/L
Total Svoc :				710.00				
Total Concentration:				710.00				
Client ID : Soil/Gravel-SP								
P2883-01	Soil/Gravel-SP	Solid	1-Phenoxypropan-2-ol	*	57.000	J		

Hit Summary Sheet SW-846

SDG No.: BF061724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2883-01	Soil/Gravel-SP	Solid	2-Pentanone, 4-hydroxy-4-methyl *	110.000	A			
P2883-01	Soil/Gravel-SP	Solid	Benzo[e]pyrene *	42.700	J			
P2883-01	Soil/Gravel-SP	Solid	Butane, 2-methoxy-2-methyl- *	1,400.000	J			
P2883-01	Soil/Gravel-SP	Solid	n-Hexadecanoic acid *	98.300	J			
P2883-01	Soil/Gravel-SP	Solid	Octadecanoic acid *	67.100	J			
P2883-01	Soil/Gravel-SP	Solid	Propylene Glycol *	69.900	J			
Total Tics :					1,845.00			
Total Concentration:					1,845.00			
Client ID : WCS-TPJ								
P2889-04	WCS-TPJ	water	Benzidine	150.000	40.7		100	ug/L
Total Svoc :					150.00			
Total Concentration:					150.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF061224 SAS No.: BF061224 SDG No.: BF061224
Instrument ID: _____ Calibration Date(s): 6/12/2024 : _____
Calibration Time(s): 11:41 _____

LAB FILE ID:		RRF2.5 = BF138187.D			RRF005 = BF138188.D		RRF010 = BF138189.D	
		RRF020 = BF138190.D			RRF040 = BF138191.D		RRF050 = BF138192.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.615	0.593	0.629	0.628	0.581	0.602	3.8
Pyridine		1.345	1.345	1.383	1.318	1.238	1.300	4.8
2-Fluorophenol		1.269	1.259	1.297	1.228	1.133	1.196	7.5
Benzaldehyde			1.000	0.931	0.776	0.676	0.805	19.4
Aniline		1.553	1.504	1.568	1.542	1.422	1.483	5.1
Phenol-d6		1.637	1.601	1.615	1.558	1.431	1.516	7.6
Phenol		1.591	1.584	1.646	1.592	1.476	1.539	5.7
bis(2-Chloroethyl)ether		1.311	1.262	1.279	1.257	1.165	1.231	5.6
2-Chlorophenol		1.353	1.338	1.376	1.353	1.238	1.293	6.5
1,2-Dichlorobenzene		1.519	1.483	1.520	1.440	1.297	1.388	9.9
1,3-Dichlorobenzene		1.594	1.546	1.563	1.514	1.388	1.469	7.7
1,4-Dichlorobenzene		1.619	1.567	1.573	1.520	1.396	1.478	8.3
Benzyl Alcohol		1.038	1.042	1.096	1.078	0.982	1.022	5.7
2-Methylphenol		1.051	1.034	1.074	1.062	0.962	1.020	4.7
2,2-oxybis(1-Chloropropane)		1.841	1.819	1.833	1.791	1.644	1.738	6.3
Acetophenone		0.501	0.493	0.499	0.462	0.427	0.457	9.5
3+4-Methylphenols		1.396	1.392	1.410	1.340	1.207	1.284	10.5
n-Nitroso-di-n-propylamine	0.921	0.954	0.957	0.947	0.917	0.841	0.899	6.6
Nitrobenzene-d5		0.329	0.341	0.364	0.360	0.338	0.344	4.2
Hexachloroethane		0.501	0.505	0.530	0.522	0.486	0.501	4.4
Nitrobenzene		0.350	0.353	0.374	0.369	0.345	0.355	4.0
Isophorone		0.646	0.641	0.648	0.629	0.587	0.621	4.2
2-Nitrophenol		0.094	0.115	0.142	0.159	0.157	0.143	19.6
2,4-Dimethylphenol		0.219	0.217	0.230	0.223	0.209	0.217	3.6
bis(2-Chloroethoxy)methane		0.411	0.401	0.411	0.396	0.369	0.389	5.6
2,4-Dichlorophenol		0.269	0.281	0.295	0.291	0.273	0.280	3.7
1,2,4-Trichlorobenzene		0.351	0.345	0.349	0.339	0.312	0.330	6.7
Benzoic acid			0.132	0.172	0.193	0.202	0.191	18.5
Naphthalene		1.103	1.074	1.073	1.012	0.924	0.989	10.6
4-Chloroaniline		0.382	0.383	0.386	0.373	0.348	0.370	4.3
Hexachlorobutadiene		0.207	0.199	0.204	0.198	0.184	0.193	6.4
Caprolactam		0.078	0.085	0.088	0.088	0.080	0.084	4.7
4-Chloro-3-methylphenol		0.279	0.286	0.292	0.285	0.266	0.278	3.6
2-Methylnaphthalene		0.721	0.703	0.698	0.662	0.603	0.649	9.8
Hexachlorocyclopentadiene		0.152	0.169	0.197	0.207	0.208	0.191	11.3
2,4,6-Trichlorophenol		0.336	0.361	0.383	0.388	0.371	0.366	5.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF061224 SAS No.: BF061224 SDG No.: BF061224
Instrument ID: _____ Calibration Date(s): 6/12/2024 : _____
Calibration Time(s): 11:41 _____

LAB FILE ID:		RRF2.5 = BF138187.D		RRF005 = BF138188.D		RRF010 = BF138189.D		
		RRF020 = BF138190.D		RRF040 = BF138191.D		RRF050 = BF138192.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.531	1.465	1.430	1.247	1.127	1.258	17.8
2,4,5-Trichlorophenol		0.385	0.403	0.423	0.418	0.399	0.402	3.8
1,1-Biphenyl		1.629	1.601	1.607	1.483	1.400	1.468	10.7
2-Chloronaphthalene		1.258	1.247	1.253	1.174	1.099	1.160	8.7
2-Nitroaniline		0.210	0.249	0.288	0.307	0.295	0.279	13.0
Dimethylphthalate		1.318	1.292	1.305	1.240	1.153	1.225	7.0
Acenaphthylene		1.748	1.746	1.763	1.658	1.552	1.626	8.7
2,6-Dinitrotoluene		0.212	0.250	0.277	0.288	0.274	0.266	10.1
3-Nitroaniline		0.244	0.276	0.293	0.305	0.285	0.284	7.1
Acenaphthene		1.192	1.174	1.191	1.132	1.055	1.109	7.7
2,4-Dinitrophenol			0.062	0.083	0.107	0.109	0.104	26.2
4-Nitrophenol		0.174	0.211	0.235	0.245	0.224	0.224	11.3
Dibenzofuran		1.724	1.680	1.674	1.587	1.447	1.550	10.1
2,4-Dinitrotoluene		0.241	0.293	0.345	0.360	0.336	0.328	13.9
Diethylphthalate		1.238	1.240	1.258	1.188	1.083	1.163	7.8
4-Chlorophenyl-phenylether		0.688	0.671	0.661	0.613	0.562	0.607	11.5
Fluorene		1.390	1.351	1.343	1.227	1.119	1.219	12.3
4-Nitroaniline		0.252	0.289	0.299	0.303	0.268	0.284	6.3
4,6-Dinitro-2-methylphenol			0.055	0.076	0.095	0.096	0.090	23.2
n-Nitrosodiphenylamine		0.647	0.635	0.651	0.625	0.602	0.612	6.6
Azobenzene		1.251	1.254	1.249	1.174	1.092	1.165	7.9
2,4,6-Tribromophenol		0.193	0.205	0.215	0.210	0.192	0.199	5.7
4-Bromophenyl-phenylether		0.227	0.226	0.238	0.232	0.223	0.225	4.0
Hexachlorobenzene		0.275	0.273	0.278	0.269	0.259	0.263	6.0
Atrazine		0.181	0.189	0.189	0.177	0.162	0.174	7.6
Pentachlorophenol		0.122	0.143	0.163	0.167	0.158	0.153	10.2
Phenanthrene		1.101	1.069	1.078	1.004	0.926	0.989	10.3
Anthracene		1.079	1.058	1.075	1.003	0.921	0.982	10.0
Carbazole		0.992	0.987	0.983	0.920	0.819	0.901	10.4
Di-n-butylphthalate		0.939	1.021	1.038	0.966	0.852	0.932	9.0
Fluoranthene		1.121	1.154	1.126	1.027	0.872	1.009	13.1
Benzidine		0.200	0.142	0.236	0.406	0.254	0.231	42.3
Pyrene		1.736	1.571	1.840	1.842	1.741	1.725	6.4
Terphenyl-d14		1.406	1.259	1.400	1.318	1.217	1.263	9.9
Butylbenzylphthalate		0.344	0.415	0.490	0.525	0.473	0.469	14.3
3,3-Dichlorobenzidine		0.355	0.407	0.383	0.365	0.336	0.353	10.3

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.: BF061224 SAS No.: BF061224 SDG No.: BF061224
Instrument ID: _____ Calibration Date(s): 6/12/2024 : _____
Calibration Time(s): 11:41 _____

LAB FILE ID:		RRF2.5 = BF138187.D			RRF005 = BF138188.D		RRF010 = BF138189.D	
		RRF020 = BF138190.D			RRF040 = BF138191.D		RRF050 = BF138192.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.355	1.332	1.358	1.317	1.237	1.283	6.1
Chrysene		1.282	1.265	1.300	1.251	1.188	1.223	5.8
Bis(2-ethylhexyl)phthalate		0.402	0.547	0.551	0.589	0.561	0.546	12.1
Di-n-octyl phthalate			0.676	0.677	0.818	0.922	0.811	13.5
Benzo(b)fluoranthene		1.231	1.223	1.311	1.172	1.082	1.179	7.3
Benzo(k)fluoranthene		1.271	1.279	1.214	1.153	1.077	1.156	8.8
Benzo(a)pyrene		1.000	1.015	1.058	1.044	0.985	1.013	3.0
Indeno(1,2,3-cd)pyrene		0.995	1.011	1.395	1.492	1.408	1.304	16.0
Dibenzo(a,h)anthracene		0.834	0.828	1.155	1.223	1.157	1.070	15.6
Benzo(g,h,i)perylene		0.837	0.840	1.193	1.273	1.196	1.107	16.8
1,2,4,5-Tetrachlorobenzene		0.621	0.608	0.626	0.597	0.569	0.584	7.0
1,4-Dioxane		0.559	0.559	0.573	0.563	0.526	0.547	4.0
2,3,4,6-Tetrachlorophenol		0.294	0.320	0.335	0.330	0.303	0.314	5.0
1-Methylnaphthalene		0.714	0.689	0.693	0.645	0.591	0.636	10.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138191.D Time Analyzed: 13:05

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	340504	6.893	1.29686e+01	8.18	696204	9.93
	UPPER LIMIT	681008	7.393	2593720	8.675	1392408	10.428
	LOWER LIMIT	170252	6.393	648430	7.675	348102	9.428
	EPA SAMPLE NO.						
01	PB161511BL	453181	6.89	1.7997e+	8.17	996762	9.93
02	PB161511BS	471853	6.89	1.88825e	8.18	1.02517e	9.93
03	PB161466TB	424367	6.89	1.65713e	8.17	899532	9.93
04	PB161522BL	443438	6.89	1.75126e	8.18	974626	9.93
05	PB161522BS	451400	6.89	1.80098e	8.18	964400	9.93
06	WC-H	416413	6.89	1.63612e	8.17	928716	9.93
07	WC-HMS	430679	6.89	1.74673e	8.18	978494	9.93
08	WC-HMSD	420748	6.89	1.69614e	8.18	936318	9.93
09	WC-I	428726	6.89	1.67695e	8.17	938428	9.92
10	WCS-TPJ	410003	6.89	1.56919e	8.17	886916	9.92
11	Soil/Gravel-SP	387474	6.89	1.51283e	8.17	839877	9.92
12	Soil/Gravel-SPMS	407656	6.89	1.63079e	8.18	892654	9.93
13	Soil/Gravel-SPMSD	391449	6.89	1.54136e	8.18	848450	9.93
14	PE-4 (0-0.5)	420163	6.89	1.6152e+	8.17	879464	9.92
15	DUP	397226	6.89	1.53092e	8.17	831124	9.92
16	EXT-PE1	435021	6.89	1.64737e	8.18	813328	9.93
17	EXT-PE4	390833	6.89	1.44599e	8.18	667989	9.93



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138191.D Time Analyzed: 20:55

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	340504	6.893	1.29686e+04	8.18	696204	9.93
UPPER LIMIT	681008	7.393	2593720	8.675	1392408	10.428
LOWER LIMIT	170252	6.393	648430	7.675	348102	9.428
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDCCC040

Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138199.D

Time Analyzed: 13:05

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	382353	6.892	1.50512e+01	8.18	823001	9.93
UPPER LIMIT	764706	7.392	3010240	8.675	1646002	10.427
LOWER LIMIT	191176.5	6.392	752560	7.675	411500.5	9.427
EPA SAMPLE NO.						
01 PB161511BL	453181	6.89	1.7997e+	8.17	996762	9.93
02 PB161511BS	471853	6.89	1.88825e	8.18	1.02517e	9.93
03 PB161466TB	424367	6.89	1.65713e	8.17	899532	9.93
04 PB161522BL	443438	6.89	1.75126e	8.18	974626	9.93
05 PB161522BS	451400	6.89	1.80098e	8.18	964400	9.93
06 WC-H	416413	6.89	1.63612e	8.17	928716	9.93
07 WC-HMS	430679	6.89	1.74673e	8.18	978494	9.93
08 WC-HMSD	420748	6.89	1.69614e	8.18	936318	9.93
09 WC-I	428726	6.89	1.67695e	8.17	938428	9.92
10 WCS-TPJ	410003	6.89	1.56919e	8.17	886916	9.92
11 Soil/Gravel-SP	387474	6.89	1.51283e	8.17	839877	9.92
12 Soil/Gravel-SPMS	407656	6.89	1.63079e	8.18	892654	9.93
13 Soil/Gravel-SPMSD	391449	6.89	1.54136e	8.18	848450	9.93
14 PE-4 (0-0.5)	420163	6.89	1.6152e+	8.17	879464	9.92
15 DUP	397226	6.89	1.53092e	8.17	831124	9.92
16 EXT-PE1	435021	6.89	1.64737e	8.18	813328	9.93
17 EXT-PE4	390833	6.89	1.44599e	8.18	667989	9.93



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138199.D Time Analyzed: 20:55

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	382353	6.892	1.50512e+01	8.18	823001	9.93
UPPER LIMIT	764706	7.392	3010240	8.675	1646002	10.427
LOWER LIMIT	191176.5	6.392	752560	7.675	411500.5	9.427
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.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138191.D Time Analyzed: 13:05

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.18359e+0	11.416	674197	14.051	644245	15.521
	UPPER LIMIT	2367180	11.916	1348394	14.551	1288490	16.021
	LOWER LIMIT	591795	10.916	337098.5	13.551	322122.5	15.021
	EPA SAMPLE NO.						
01	PB161511BL	1.78645	11.41	1.23215e+	14.05	1.10166e+	15.52
02	PB161511BS	1.73518	11.42	1.00667e+	14.05	904722	15.52
03	PB161466TB	1.59299	11.41	999533	14.05	907170	15.52
04	PB161522BL	1.75309	11.41	1.16097e+	14.05	1.08242e+	15.52
05	PB161522BS	1.64446	11.42	934440	14.05	861029	15.52
06	WC-H	1.67628	11.41	1.10288e+	14.05	930456	15.52
07	WC-HMS	1.69975	11.42	924261	14.05	856312	15.52
08	WC-HMSD	1.64878	11.42	921354	14.05	827765	15.52
09	WC-I	1.66838	11.41	1.02722e+	14.05	870515	15.52
10	WCS-TPJ	1.59789	11.41	950734	14.05	828238	15.52
11	Soil/Gravel-SP	1.46366	11.41	818992	14.05	800002	15.52
12	Soil/Gravel-SPMS	1.54703	11.42	802352	14.05	872455	15.52
13	Soil/Gravel-SPMSD	1.46244	11.42	764249	14.05	829469	15.52
14	PE-4 (0-0.5)	1.50418	11.41	815079	14.05	869912	15.52
15	DUP	1.43387	11.41	795154	14.05	846339	15.52
16	EXT-PE1	949747	11.42	824660	14.06	815453	15.53
17	EXT-PE4	791371	11.42	693853	14.06	628450	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138191.D Time Analyzed: 20:55

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.18359e+0	11.416	674197	14.051	644245	15.521
UPPER LIMIT	2367180	11.916	1348394	14.551	1288490	16.021
LOWER LIMIT	591795	10.916	337098.5	13.551	322122.5	15.021
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.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138199.D Time Analyzed: 13:05

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.4263e+00	11.416	857504	14.051	765945	15.521
	UPPER LIMIT	2852600	11.916	1715008	14.551	1531890	16.021
	LOWER LIMIT	713150	10.916	428752	13.551	382972.5	15.021
	EPA SAMPLE NO.						
01	PB161511BL	1.78645	11.41	1.23215e+	14.05	1.10166e+	15.52
02	PB161511BS	1.73518	11.42	1.00667e+	14.05	904722	15.52
03	PB161466TB	1.59299	11.41	999533	14.05	907170	15.52
04	PB161522BL	1.75309	11.41	1.16097e+	14.05	1.08242e+	15.52
05	PB161522BS	1.64446	11.42	934440	14.05	861029	15.52
06	WC-H	1.67628	11.41	1.10288e+	14.05	930456	15.52
07	WC-HMS	1.69975	11.42	924261	14.05	856312	15.52
08	WC-HMSD	1.64878	11.42	921354	14.05	827765	15.52
09	WC-I	1.66838	11.41	1.02722e+	14.05	870515	15.52
10	WCS-TPJ	1.59789	11.41	950734	14.05	828238	15.52
11	Soil/Gravel-SP	1.46366	11.41	818992	14.05	800002	15.52
12	Soil/Gravel-SPMS	1.54703	11.42	802352	14.05	872455	15.52
13	Soil/Gravel-SPMSD	1.46244	11.42	764249	14.05	829469	15.52
14	PE-4 (0-0.5)	1.50418	11.41	815079	14.05	869912	15.52
15	DUP	1.43387	11.41	795154	14.05	846339	15.52
16	EXT-PE1	949747	11.42	824660	14.06	815453	15.53
17	EXT-PE4	791371	11.42	693853	14.06	628450	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF061724 SAS No.: BF061724 SDG NO.: BF061724

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 17 2024 12:00AM

Lab File ID: BF138199.D Time Analyzed: 20:55

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.4263e+00	11.416	857504	14.051	765945	15.521
UPPER LIMIT	2852600	11.916	1715008	14.551	1531890	16.021
LOWER LIMIT	713150	10.916	428752	13.551	382972.5	15.021
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.: **BF061724**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161511BS	n-Nitrosodimethylamine	50	42.1	ug/L	84				55	108	
	Pyridine	50	33	ug/L	66				29	97	
	Benzaldehyde	50	32	ug/L	64				15	121	
	Aniline	50	25.7	ug/L	51				10	130	
	Phenol	50	43.6	ug/L	87				66	118	
	bis(2-Chloroethyl)ether	50	44.2	ug/L	88				62	103	
	2-Chlorophenol	50	44.8	ug/L	90				70	117	
	1,2-Dichlorobenzene	50	40.2	ug/L	80				72	102	
	1,3-Dichlorobenzene	50	38.7	ug/L	77				71	103	
	1,4-Dichlorobenzene	50	39	ug/L	78				76	103	
	Benzyl Alcohol	50	46.3	ug/L	93				36	93	
	2-Methylphenol	50	44.3	ug/L	89				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.5	ug/L	87				52	103	
	Acetophenone	50	40.7	ug/L	81				60	104	
	3+4-Methylphenols	50	42	ug/L	84				67	106	
	N-Nitroso-di-n-propylamine	50	43.8	ug/L	88				57	107	
	Hexachloroethane	50	41.5	ug/L	83				76	118	
	Nitrobenzene	50	40.7	ug/L	81				58	106	
	Isophorone	50	43	ug/L	86				61	102	
	2-Nitrophenol	50	48.2	ug/L	96				70	115	
	2,4-Dimethylphenol	50	45.9	ug/L	92				67	130	
	bis(2-Chloroethoxy)methane	50	42.8	ug/L	86				58	109	
	2,4-Dichlorophenol	50	41.9	ug/L	84				66	115	
	1,2,4-Trichlorobenzene	50	38.9	ug/L	78				41	115	
	Benzoic acid	50	44.6	ug/L	89				10	125	
	Naphthalene	50	38.7	ug/L	77				64	107	
	4-Chloroaniline	50	21.2	ug/L	42				10	85	
	Hexachlorobutadiene	50	37.2	ug/L	74				69	101	
	Caprolactam	50	46.3	ug/L	93				58	128	
	4-Chloro-3-methylphenol	50	44.2	ug/L	88				65	114	
	2-Methylnaphthalene	50	39.9	ug/L	80				64	107	
	Hexachlorocyclopentadiene	100	95.8	ug/L	96				36	160	
	2,4,6-Trichlorophenol	50	43.2	ug/L	86				61	110	
	2,4,5-Trichlorophenol	50	41.1	ug/L	82				70	106	
	1,1-Biphenyl	50	39.3	ug/L	79				72	98	
	2-Chloronaphthalene	50	39.1	ug/L	78				59	106	
	2-Nitroaniline	50	48.2	ug/L	96				58	107	
	Dimethylphthalate	50	42.5	ug/L	85				64	103	
	Acenaphthylene	50	41.8	ug/L	84				65	108	
	2,6-Dinitrotoluene	50	44.1	ug/L	88				64	110	
	3-Nitroaniline	50	32.5	ug/L	65				28	100	
	Acenaphthene	50	42.7	ug/L	85				59	113	
	Total PAH	800	695.7	ug/L	87				59	113	
	2,4-Dinitrophenol	100	80.4	ug/L	80				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF061724**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161511BS	4-Nitrophenol	100	92.3	ug/L	92				68	116	
	Dibenzofuran	50	40	ug/L	80				65	106	
	2,4-Dinitrotoluene	50	47.7	ug/L	95				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	91.8	ug/L	92				60	115	
	Diethylphthalate	50	42.8	ug/L	86				63	105	
	4-Chlorophenyl-phenylether	50	38.5	ug/L	77				61	104	
	Fluorene	50	38.3	ug/L	77				64	107	
	4-Nitroaniline	50	41.8	ug/L	84				69	112	
	4,6-Dinitro-2-methylphenol	50	43.6	ug/L	87				62	132	
	N-Nitrosodiphenylamine	50	41	ug/L	82				61	109	
	Azobenzene	50	42.2	ug/L	84				59	106	
	4-Bromophenyl-phenylether	50	40.6	ug/L	81				73	103	
	Hexachlorobenzene	50	39.5	ug/L	79				73	106	
	Atrazine	50	47.1	ug/L	94				76	120	
	Pentachlorophenol	100	78.9	ug/L	79				47	114	
	Phenanthrene	50	40	ug/L	80				62	109	
	Anthracene	50	40.7	ug/L	81				65	110	
	Carbazole	50	40.8	ug/L	82				62	106	
	Di-n-butylphthalate	50	43.5	ug/L	87				64	106	
	Fluoranthene	50	39.8	ug/L	80				64	110	
	Benzidine	100	7.2	ug/L	7		*		10	94	
	Pyrene	50	40.6	ug/L	81				71	103	
	Butylbenzylphthalate	50	53.5	ug/L	107		*		61	105	
	3,3-Dichlorobenzidine	50	40	ug/L	80				43	108	
	Benzo(a)anthracene	50	42.5	ug/L	85				62	107	
	Chrysene	50	42.5	ug/L	85				61	108	
	bis(2-Ethylhexyl)phthalate	50	55.6	ug/L	111		*		59	110	
	Di-n-octyl phthalate	50	54.4	ug/L	109				67	126	
	Benzo(b)fluoranthene	50	47.6	ug/L	95				77	113	
	Benzo(k)fluoranthene	50	45.6	ug/L	91				64	113	
	Benzo(a)pyrene	50	48.8	ug/L	98				72	131	
	Indeno(1,2,3-cd)pyrene	50	49.4	ug/L	99				72	105	
	Dibenz(a,h)anthracene	50	49.9	ug/L	100				78	115	
	Benzo(g,h,i)perylene	50	46.8	ug/L	94				75	118	
	1,2,4,5-Tetrachlorobenzene	50	38.6	ug/L	77				72	101	
	1,4-Dioxane	50	32.3	ug/L	65				38	125	
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87				63	116	
	1-Methylnaphthalene	50	37.9	ug/L	76				51	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF061724**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161522BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	1100	ug/Kg	65				10	147	
	Aniline	1700	830	ug/Kg	49				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1300	ug/Kg	76				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	700	ug/Kg	41				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	23400	ug/Kg	86				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF061724**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161522BS	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	280	ug/Kg	8		*		10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				63	111	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161511BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF061724

SAS No.: BF061724 SDG NO.: BF061724

Lab File ID: BF138200.D

Lab Sample ID: PB161511BL

Instrument ID: BNA_F

Date Extracted: 06/14/2024

Matrix: (soil/water) water

Date Analyzed: 06/17/2024

Level: (low/med) LOW

Time Analyzed: 13:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161511BS	PB161511BS	BF138201.D	06/17/2024
PB161466TB	PB161466TB	BF138202.D	06/17/2024
WC-H	P2864-04	BF138205.D	06/17/2024
WC-HMS	P2864-04MS	BF138206.D	06/17/2024
WC-HMSD	P2864-04MSD	BF138207.D	06/17/2024
WC-I	P2864-08	BF138208.D	06/17/2024
WCS-TPJ	P2889-04	BF138209.D	06/17/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161522BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF061724

SAS No.: BF061724 SDG NO.: BF061724

Lab File ID: BF138203.D

Lab Sample ID: PB161522BL

Instrument ID: BNA_F

Date Extracted: 06/17/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/17/2024

Level: (low/med) LOW

Time Analyzed: 14:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161522BS	PB161522BS	BF138204.D	06/17/2024
Soil/Gravel-SP	P2883-01	BF138210.D	06/17/2024
Soil/Gravel-SPMS	P2883-01MS	BF138211.D	06/17/2024
Soil/Gravel-SPMSD	P2883-01MSD	BF138212.D	06/17/2024
PE-4 (0-0.5)	P2848-05	BF138213.D	06/17/2024
DUP	P2848-07	BF138214.D	06/17/2024
EXT-PE1	P2847-05	BF138215.D	06/17/2024
EXT-PE4	P2847-08	BF138216.D	06/17/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2883-01MS	Client Sample ID:	Soil/Gravel-SPMS					DataFile:	BF138211.D		
n-Nitrosodimethylamine	1100		980	ug/Kg	89				66	124	
Pyridine	1100		890	ug/Kg	81				45	119	
Benzaldehyde	1100		310	ug/Kg	28				26	163	
Aniline	1100		790	ug/Kg	72				10	88	
Phenol	1100		1000	ug/Kg	91				67	126	
bis(2-Chloroethyl)ether	1100		980	ug/Kg	89				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		910	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1100		880	ug/Kg	80				62	101	
1,4-Dichlorobenzene	1100		900	ug/Kg	82				63	104	
Benzyl Alcohol	1100		1000	ug/Kg	91				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		970	ug/Kg	88				52	115	
Acetophenone	1100		880	ug/Kg	80				75	111	
3+4-Methylphenols	1100		960	ug/Kg	87				53	132	
N-Nitroso-di-n-propylamine	1100		970	ug/Kg	88				59	119	
Hexachloroethane	1100		940	ug/Kg	85				65	117	
Nitrobenzene	1100		920	ug/Kg	84				70	119	
Isophorone	1100		960	ug/Kg	87				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		1100	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1100		960	ug/Kg	87				68	112	
2,4-Dichlorophenol	1100		960	ug/Kg	87				72	118	
1,2,4-Trichlorobenzene	1100		870	ug/Kg	79				57	103	
Benzoic acid	1100		1000	ug/Kg	91				50	104	
Naphthalene	1100		870	ug/Kg	79				72	110	
4-Chloroaniline	1100		300	ug/Kg	27				10	100	
Hexachlorobutadiene	1100		830	ug/Kg	75				66	114	
Caprolactam	1100		1100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91				57	132	
2-Methylnaphthalene	1100		900	ug/Kg	82				59	123	
Hexachlorocyclopentadiene	2100		2700	ug/Kg	129				10	175	
2,4,6-Trichlorophenol	1100		980	ug/Kg	89				72	117	
2,4,5-Trichlorophenol	1100		940	ug/Kg	85				72	117	
1,1-Biphenyl	1100		860	ug/Kg	78				75	113	
2-Chloronaphthalene	1100		890	ug/Kg	81				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		960	ug/Kg	87				70	113	
Acenaphthylene	1100		960	ug/Kg	87				79	118	
2,6-Dinitrotoluene	1100		1000	ug/Kg	91				70	125	
3-Nitroaniline	1100		720	ug/Kg	65				20	111	
Acenaphthene	1100		970	ug/Kg	88				70	121	
Total PAH	17600	0	14950	ug/Kg	85				70	121	
2,4-Dinitrophenol	2100		1900	ug/Kg	90				16	160	
4-Nitrophenol	2100		2000	ug/Kg	95				45	133	
Dibenzofuran	1100		910	ug/Kg	83				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95				55	128	
2,4-Dinitrotoluene	1100		1100	ug/Kg	100				55	128	
Diethylphthalate	1100		990	ug/Kg	90				70	112	
4-Chlorophenyl-phenylether	1100		890	ug/Kg	81				71	108	
Fluorene	1100		870	ug/Kg	79				68	116	
4-Nitroaniline	1100		940	ug/Kg	85				55	120	
4,6-Dinitro-2-methylphenol	1100		1000	ug/Kg	91				32	145	
N-Nitrosodiphenylamine	1100		930	ug/Kg	85				73	118	
Azobenzene	1100		980	ug/Kg	89				73	110	
4-Bromophenyl-phenylether	1100		930	ug/Kg	85				65	121	
Hexachlorobenzene	1100		880	ug/Kg	80				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2100		1800	ug/Kg	86				47	128	
Phenanthrene	1100		900	ug/Kg	82				72	113	
Anthracene	1100		930	ug/Kg	85				62	124	
Carbazole	1100		880	ug/Kg	80				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100		880	ug/Kg	80				59	125	
Benzidine	2100		2200	ug/Kg	105				10	119	
Pyrene	1100		980	ug/Kg	89				52	128	
Butylbenzylphthalate	1100		1400	ug/Kg	127	*			64	126	
3,3-Dichlorobenzidine	1100		940	ug/Kg	85				10	164	
Benzo(a)anthracene	1100		970	ug/Kg	88				71	114	
Chrysene	1100	0	990	ug/Kg	90				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1600	ug/Kg	145	*			66	127	
Di-n-octyl phthalate	1100	0	1600	ug/Kg	145	*			71	126	
Benzo(b)fluoranthene	1100		960	ug/Kg	87				67	121	
Benzo(k)fluoranthene	1100		940	ug/Kg	85				74	114	
Benzo(a)pyrene	1100		1000	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	1100		950	ug/Kg	86				61	125	
Dibenz(a,h)anthracene	1100		930	ug/Kg	85				67	130	
Benzo(g,h,i)perylene	1100		850	ug/Kg	77				53	140	
1,2,4,5-Tetrachlorobenzene	1100		840	ug/Kg	76				69	124	
1,4-Dioxane	1100		810	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1100		980	ug/Kg	89				56	133	
1-Methylnaphthalene	1100		860	ug/Kg	78				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2883-01MSD	Client Sample ID:	Soil/Gravel-SPMSD					DataFile:	BF138212.D		
n-Nitrosodimethylamine	1100		1100	ug/Kg	100		12		66	124	20
Pyridine	1100		960	ug/Kg	87		7		45	119	20
Benzaldehyde	1100		330	ug/Kg	30		7		26	163	20
Aniline	1100		840	ug/Kg	76		5		10	88	20
Phenol	1100		1100	ug/Kg	100		9		67	126	20
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100		12		74	116	20
2-Chlorophenol	1100		1100	ug/Kg	100		9		61	138	20
1,2-Dichlorobenzene	1100		980	ug/Kg	89		7		61	105	20
1,3-Dichlorobenzene	1100		950	ug/Kg	86		7		62	101	20
1,4-Dichlorobenzene	1100		960	ug/Kg	87		6		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		9		47	126	20
2-Methylphenol	1100		1100	ug/Kg	100		9		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		3		52	115	20
Acetophenone	1100		950	ug/Kg	86		7		75	111	20
3+4-Methylphenols	1100		1000	ug/Kg	91		4		53	132	20
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91		3		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		7		65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		8		70	119	20
Isophorone	1100		1100	ug/Kg	100		14		76	122	20
2-Nitrophenol	1100		1300	ug/Kg	118		17		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		0		83	144	20
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91		4		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		4		72	118	20
1,2,4-Trichlorobenzene	1100		940	ug/Kg	85		7		57	103	20
Benzoic acid	1100		1200	ug/Kg	109	*	18		50	104	20
Naphthalene	1100		950	ug/Kg	86		8		72	110	20
4-Chloroaniline	1100		300	ug/Kg	27		0		10	100	20
Hexachlorobutadiene	1100		910	ug/Kg	83		10		66	114	20
Caprolactam	1100		1100	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100		9		57	132	20
2-Methylnaphthalene	1100		970	ug/Kg	88		7		59	123	20
Hexachlorocyclopentadiene	2100		2900	ug/Kg	138		7		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		12		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		7		72	117	20
1,1-Biphenyl	1100		920	ug/Kg	84		7		75	113	20
2-Chloronaphthalene	1100		950	ug/Kg	86		6		67	118	20
2-Nitroaniline	1100		1200	ug/Kg	109		9		69	127	20
Dimethylphthalate	1100		1000	ug/Kg	91		4		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		4		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		9		70	125	20
3-Nitroaniline	1100		800	ug/Kg	73		12		20	111	20
Acenaphthene	1100		1100	ug/Kg	100		13		70	121	20
Total PAH	17600	0	16090	ug/Kg	91		7		70	121	20
2,4-Dinitrophenol	2100		2000	ug/Kg	95		5		16	160	20
4-Nitrophenol	2100		2200	ug/Kg	105		10		45	133	20
Dibenzofuran	1100		970	ug/Kg	88		6		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2300	ug/Kg	105		10		55	128	20
2,4-Dinitrotoluene	1100		1200	ug/Kg	109		9		55	128	20
Diethylphthalate	1100		1000	ug/Kg	91		1		70	112	20
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86		6		71	108	20
Fluorene	1100		940	ug/Kg	85		7		68	116	20
4-Nitroaniline	1100		1000	ug/Kg	91		7		55	120	20
4,6-Dinitro-2-methylphenol	1100		1100	ug/Kg	100		9		32	145	20
N-Nitrosodiphenylamine	1100		990	ug/Kg	90		6		73	118	20
Azobenzene	1100		1000	ug/Kg	91		2		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		7		65	121	20
Hexachlorobenzene	1100		950	ug/Kg	86		7		67	118	20
Atrazine	1100		1100	ug/Kg	100		0		79	127	20
Pentachlorophenol	2100		1900	ug/Kg	90		5		47	128	20
Phenanthrene	1100		980	ug/Kg	89		8		72	113	20
Anthracene	1100		1000	ug/Kg	91		7		62	124	20
Carbazole	1100		950	ug/Kg	86		7		59	119	20
Di-n-butylphthalate	1100		1100	ug/Kg	100		9		69	118	20
Fluoranthene	1100		940	ug/Kg	85		6		59	125	20
Benzydine	2100		2300	ug/Kg	110		5		10	119	20
Pyrene	1100		1100	ug/Kg	100		12		52	128	20
Butylbenzylphthalate	1100		1600	ug/Kg	145	*	13		64	126	20
3,3-Dichlorobenzidine	1100		1000	ug/Kg	91		7		10	164	20
Benzo(a)anthracene	1100		1000	ug/Kg	91		3		71	114	20
Chrysene	1100	0	1100	ug/Kg	100		11		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1800	ug/Kg	164	*	12		66	127	20
Di-n-octyl phthalate	1100	0	1800	ug/Kg	164	*	12		71	126	20
Benzo(b)fluoranthene	1100		1000	ug/Kg	91		4		67	121	20
Benzo(k)fluoranthene	1100		1000	ug/Kg	91		7		74	114	20
Benzo(a)pyrene	1100		1100	ug/Kg	100		9		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91		6		61	125	20
Dibenz(a,h)anthracene	1100		980	ug/Kg	89		5		67	130	20
Benzo(g,h,i)perylene	1100		900	ug/Kg	82		6		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		900	ug/Kg	82		8		69	124	20
1,4-Dioxane	1100		880	ug/Kg	80		8		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		12		56	133	20
1-Methylnaphthalene	1100		930	ug/Kg	85		9		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2864-04MS	Client Sample ID:	WC-HMS					DataFile:	BF138206.D		
n-Nitrosodimethylamine	500		440	ug/L	88				10	130	
Pyridine	500		330	ug/L	66				10	109	
Benzaldehyde	500			ug/L	0	*			10	137	
Aniline	500		140	ug/L	28				10	130	
Phenol	500		420	ug/L	84				10	130	
bis(2-Chloroethyl)ether	500		460	ug/L	92				29	141	
2-Chlorophenol	500		470	ug/L	94				23	127	
1,2-Dichlorobenzene	500		410	ug/L	82				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		460	ug/L	92				31	94	
2-Methylphenol	500		470	ug/L	94				23	132	
2,2-oxybis(1-Chloropropane)	500		450	ug/L	90				36	141	
Acetophenone	500		420	ug/L	84				31	164	
3+4-Methylphenols	500		440	ug/L	88				17	136	
N-Nitroso-di-n-propylamine	500		470	ug/L	94				36	147	
Hexachloroethane	500		420	ug/L	84				35	137	
Nitrobenzene	500		420	ug/L	84				40	134	
Isophorone	500		460	ug/L	92				39	146	
2-Nitrophenol	500		520	ug/L	104				30	148	
2,4-Dimethylphenol	500		500	ug/L	100				17	143	
bis(2-Chloroethoxy)methane	500		460	ug/L	92				39	143	
2,4-Dichlorophenol	500		450	ug/L	90				22	146	
1,2,4-Trichlorobenzene	500		400	ug/L	80				66	110	
Benzoic acid	500		470	ug/L	94				10	101	
Naphthalene	500		410	ug/L	82				17	157	
4-Chloroaniline	500		39.3	ug/L	8	*			10	95	
Hexachlorobutadiene	500		380	ug/L	76				52	125	
Caprolactam	500		470	ug/L	94				10	130	
4-Chloro-3-methylphenol	500		480	ug/L	96				17	148	
2-Methylnaphthalene	500		430	ug/L	86				38	146	
Hexachlorocyclopentadiene	1000		1200	ug/L	120				20	153	
2,4,6-Trichlorophenol	500		470	ug/L	94				46	139	
2,4,5-Trichlorophenol	500		440	ug/L	88				42	129	
1,1-Biphenyl	500		420	ug/L	84				38	154	
2-Chloronaphthalene	500		410	ug/L	82				41	145	
2-Nitroaniline	500		500	ug/L	100				39	151	
Dimethylphthalate	500		470	ug/L	94				42	147	
Acenaphthylene	500		460	ug/L	92				40	141	
2,6-Dinitrotoluene	500		490	ug/L	98				43	148	
3-Nitroaniline	500		92.4	ug/L	18				10	111	
Acenaphthene	500		460	ug/L	92				37	146	
Total PAH	8000		7280	ug/L	91				37	146	
2,4-Dinitrophenol	1000		900	ug/L	90				14	167	
4-Nitrophenol	1000		840	ug/L	84				10	130	
Dibenzofuran	500		430	ug/L	86				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		530	ug/L	106				40	151	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1020	ug/L	102				40	151	
Diethylphthalate	500		470	ug/L	94				41	148	
4-Chlorophenyl-phenylether	500		420	ug/L	84				38	149	
Fluorene	500		410	ug/L	82				39	144	
4-Nitroaniline	500		370	ug/L	74				27	138	
4,6-Dinitro-2-methylphenol	500		490	ug/L	98				32	175	
N-Nitrosodiphenylamine	500		390	ug/L	78				40	150	
Azobenzene	500		460	ug/L	92				72	112	
4-Bromophenyl-phenylether	500		440	ug/L	88				42	151	
Hexachlorobenzene	500		420	ug/L	84				60	129	
Atrazine	500		260	ug/L	52				20	162	
Pentachlorophenol	1000		860	ug/L	86				15	137	
Phenanthrene	500		430	ug/L	86				40	147	
Anthracene	500		440	ug/L	88				41	146	
Carbazole	500		370	ug/L	74				37	154	
Di-n-butylphthalate	500		500	ug/L	100				40	151	
Fluoranthene	500		420	ug/L	84				42	146	
Benzidine	1000		60.8	ug/L	6	*			10	130	
Pyrene	500		460	ug/L	92				41	149	
Butylbenzylphthalate	500		690	ug/L	138				39	155	
3,3-Dichlorobenzidine	500		63.9	ug/L	13				10	114	
Benzo(a)anthracene	500		460	ug/L	92				41	147	
Chrysene	500		470	ug/L	94				44	144	
bis(2-Ethylhexyl)phthalate	500		780	ug/L	156				33	160	
Di-n-octyl phthalate	500		780	ug/L	156				36	158	
Benzo(b)fluoranthene	500		490	ug/L	98				40	150	
Benzo(k)fluoranthene	500		500	ug/L	100				40	147	
Benzo(a)pyrene	500		520	ug/L	104				42	147	
Indeno(1,2,3-cd)pyrene	500		470	ug/L	94				30	166	
Dibenz(a,h)anthracene	500		470	ug/L	94				23	172	
Benzo(g,h,i)perylene	500		410	ug/L	82				27	167	
1,2,4,5-Tetrachlorobenzene	500		400	ug/L	80	*			89	102	
1,4-Dioxane	500		380	ug/L	76				38	130	
2,3,4,6-Tetrachlorophenol	500		470	ug/L	94				91	111	
1-Methylnaphthalene	500		410	ug/L	82				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2864-04MSD	Client Sample ID:	WC-HMSD					DataFile:	BF138207.D		
n-Nitrosodimethylamine	500		450	ug/L	90		2		10	130	20
Pyridine	500		330	ug/L	66		0		10	109	20
Benzaldehyde	500			ug/L	0	*			10	137	20
Aniline	500		140	ug/L	28		0		10	130	20
Phenol	500		420	ug/L	84		0		10	130	20
bis(2-Chloroethyl)ether	500		460	ug/L	92		0		29	141	20
2-Chlorophenol	500		470	ug/L	94		0		23	127	20
1,2-Dichlorobenzene	500		420	ug/L	84		2		61	114	20
1,3-Dichlorobenzene	500		400	ug/L	80		0		65	106	20
1,4-Dichlorobenzene	500		410	ug/L	82		2		55	125	20
Benzyl Alcohol	500		450	ug/L	90		2		31	94	20
2-Methylphenol	500		470	ug/L	94		0		23	132	20
2,2-oxybis(1-Chloropropane)	500		450	ug/L	90		0		36	141	20
Acetophenone	500		420	ug/L	84		0		31	164	20
3+4-Methylphenols	500		440	ug/L	88		0		17	136	20
N-Nitroso-di-n-propylamine	500		470	ug/L	94		0		36	147	20
Hexachloroethane	500		430	ug/L	86		2		35	137	20
Nitrobenzene	500		430	ug/L	86		2		40	134	20
Isophorone	500		450	ug/L	90		2		39	146	20
2-Nitrophenol	500		530	ug/L	106		2		30	148	20
2,4-Dimethylphenol	500		490	ug/L	98		2		17	143	20
bis(2-Chloroethoxy)methane	500		450	ug/L	90		2		39	143	20
2,4-Dichlorophenol	500		450	ug/L	90		0		22	146	20
1,2,4-Trichlorobenzene	500		400	ug/L	80		0		66	110	20
Benzoic acid	500		460	ug/L	92		2		10	101	20
Naphthalene	500		410	ug/L	82		0		17	157	20
4-Chloroaniline	500		34.3	ug/L	7	*	13		10	95	20
Hexachlorobutadiene	500		390	ug/L	78		3		52	125	20
Caprolactam	500		460	ug/L	92		2		10	130	20
4-Chloro-3-methylphenol	500		480	ug/L	96		0		17	148	20
2-Methylnaphthalene	500		430	ug/L	86		0		38	146	20
Hexachlorocyclopentadiene	1000		1200	ug/L	120		0		20	153	20
2,4,6-Trichlorophenol	500		460	ug/L	92		2		46	139	20
2,4,5-Trichlorophenol	500		440	ug/L	88		0		42	129	20
1,1-Biphenyl	500		420	ug/L	84		0		38	154	20
2-Chloronaphthalene	500		420	ug/L	84		2		41	145	20
2-Nitroaniline	500		510	ug/L	102		2		39	151	20
Dimethylphthalate	500		470	ug/L	94		0		42	147	20
Acenaphthylene	500		460	ug/L	92		0		40	141	20
2,6-Dinitrotoluene	500		500	ug/L	100		2		43	148	20
3-Nitroaniline	500		87.5	ug/L	18		0		10	111	20
Acenaphthene	500		470	ug/L	94		2		37	146	20
Total PAH	8000		7270	ug/L	91		0		37	146	20
2,4-Dinitrophenol	1000		920	ug/L	92		2		14	167	20
4-Nitrophenol	1000		850	ug/L	85		1		10	130	20
Dibenzofuran	500		430	ug/L	86		0		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		540	ug/L	108		2		40	151	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1040	ug/L	104		2		40	151	20
Diethylphthalate	500		480	ug/L	96		2		41	148	20
4-Chlorophenyl-phenylether	500		430	ug/L	86		2		38	149	20
Fluorene	500		420	ug/L	84		2		39	144	20
4-Nitroaniline	500		380	ug/L	76		3		27	138	20
4,6-Dinitro-2-methylphenol	500		490	ug/L	98		0		32	175	20
N-Nitrosodiphenylamine	500		400	ug/L	80		3		40	150	20
Azobenzene	500		470	ug/L	94		2		72	112	20
4-Bromophenyl-phenylether	500		440	ug/L	88		0		42	151	20
Hexachlorobenzene	500		420	ug/L	84		0		60	129	20
Atrazine	500		290	ug/L	58		11		20	162	20
Pentachlorophenol	1000		870	ug/L	87		1		15	137	20
Phenanthrene	500		430	ug/L	86		0		40	147	20
Anthracene	500		440	ug/L	88		0		41	146	20
Carbazole	500		390	ug/L	78		5		37	154	20
Di-n-butylphthalate	500		500	ug/L	100		0		40	151	20
Fluoranthene	500		440	ug/L	88		5		42	146	20
Benzidine	1000		69.2	ug/L	7	*	15		10	130	20
Pyrene	500		460	ug/L	92		0		41	149	20
Butylbenzylphthalate	500		700	ug/L	140		1		39	155	20
3,3-Dichlorobenzidine	500		70.4	ug/L	14		7		10	114	20
Benzo(a)anthracene	500		460	ug/L	92		0		41	147	20
Chrysene	500		470	ug/L	94		0		44	144	20
bis(2-Ethylhexyl)phthalate	500		770	ug/L	154		1		33	160	20
Di-n-octyl phthalate	500		770	ug/L	154		1		36	158	20
Benzo(b)fluoranthene	500		500	ug/L	100		2		40	150	20
Benzo(k)fluoranthene	500		500	ug/L	100		0		40	147	20
Benzo(a)pyrene	500		510	ug/L	102		2		42	147	20
Indeno(1,2,3-cd)pyrene	500		450	ug/L	90		4		30	166	20
Dibenz(a,h)anthracene	500		460	ug/L	92		2		23	172	20
Benzo(g,h,i)perylene	500		390	ug/L	78		5		27	167	20
1,2,4,5-Tetrachlorobenzene	500		410	ug/L	82	*	2		89	102	20
1,4-Dioxane	500		380	ug/L	76		0		38	130	20
2,3,4,6-Tetrachlorophenol	500		480	ug/L	96		2		91	111	20
1-Methylnaphthalene	500		400	ug/L	80		2		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF061724**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2864-04	WC-H	BF138205.D	2-Fluorophenol	150	117.49	78		10	139
			Phenol-d6	150	108.36	72		10	134
			Nitrobenzene-d5	100	84.62	85		49	133
			2-Fluorobiphenyl	100	72.65	73		52	132
			2,4,6-Tribromophenol	150	127.99	85		32	145
			Terphenyl-d14	100	73.54	74		36	145
P2864-04MS	WC-HMS	BF138206.D	2-Fluorophenol	150	114.78	77		10	139
			Phenol-d6	150	109.86	73		10	134
			Nitrobenzene-d5	100	81.84	82		49	133
			2-Fluorobiphenyl	100	73.33	73		52	132
			2,4,6-Tribromophenol	150	120.97	81		32	145
			Terphenyl-d14	100	82.35	82		36	145
P2864-04MSD	WC-HMSD	BF138207.D	2-Fluorophenol	150	114.45	76		10	139
			Phenol-d6	150	109.66	73		10	134
			Nitrobenzene-d5	100	82.50	83		49	133
			2-Fluorobiphenyl	100	73.85	74		52	132
			2,4,6-Tribromophenol	150	123.67	82		32	145
			Terphenyl-d14	100	82.37	82		36	145
P2864-08	WC-I	BF138208.D	2-Fluorophenol	150	118.08	79		10	139
			Phenol-d6	150	107.47	72		10	134
			Nitrobenzene-d5	100	86.29	86		49	133
			2-Fluorobiphenyl	100	73.99	74		52	132
			2,4,6-Tribromophenol	150	126.92	85		32	145
			Terphenyl-d14	100	76.95	77		36	145
P2889-04	WCS-TPJ	BF138209.D	2-Fluorophenol	150	124.44	83		10	139
			Phenol-d6	150	113.42	76		10	134
			Nitrobenzene-d5	100	90.71	91		49	133
			2-Fluorobiphenyl	100	77.99	78		52	132
			2,4,6-Tribromophenol	150	134.78	90		32	145
			Terphenyl-d14	100	86.63	87		36	145
PB161466TB	PB161466TB	BF138202.D	2-Fluorophenol	150	115.02	77		10	139
			Phenol-d6	150	112.02	75		10	134
			Nitrobenzene-d5	100	78.19	78		49	133
			2-Fluorobiphenyl	100	70.03	70		52	132
			2,4,6-Tribromophenol	150	108.11	72		32	145
			Terphenyl-d14	100	69.75	70		36	145
PB161511BL	PB161511BL	BF138200.D	2-Fluorophenol	150	113.70	76		10	139
			Phenol-d6	150	111.05	74		10	134
			Nitrobenzene-d5	100	77.21	77		49	133
			2-Fluorobiphenyl	100	69.74	70		52	132
			2,4,6-Tribromophenol	150	109.00	73		32	145
			Terphenyl-d14	100	63.68	64		36	145
PB161511BS	PB161511BS	BF138201.D	2-Fluorophenol	150	116.82	78		10	139
			Phenol-d6	150	116.13	77		10	134
			Nitrobenzene-d5	100	78.79	79		49	133
			2-Fluorobiphenyl	100	70.08	70		52	132
			2,4,6-Tribromophenol	150	113.73	76		32	145
			Terphenyl-d14	100	74.18	74		36	145

Surrogate Summary

SW-846

SDG No.: **BF061724**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2847-05	EXT-PE1	BF138215.D	2-Fluorophenol	150	80.40	54		18	112
			Phenol-d6	150	78.19	52		15	107
			Nitrobenzene-d5	100	56.73	57		18	107
			2-Fluorobiphenyl	100	55.20	55		20	109
			2,4,6-Tribromophenol	150	67.43	45		10	110
			Terphenyl-d14	100	39.63	40		14	112
P2847-08	EXT-PE4	BF138216.D	2-Fluorophenol	150	82.76	55		18	112
			Phenol-d6	150	81.70	54		15	107
			Nitrobenzene-d5	100	59.93	60		18	107
			2-Fluorobiphenyl	100	61.61	62		20	109
			2,4,6-Tribromophenol	150	66.27	44		10	110
			Terphenyl-d14	100	43.01	43		14	112
P2848-05	PE-4(0-0.5)	BF138213.D	2-Fluorophenol	150	73.70	49		18	112
			Phenol-d6	150	71.72	48		15	107
			Nitrobenzene-d5	100	49.12	49		18	107
			2-Fluorobiphenyl	100	47.53	48		20	109
			2,4,6-Tribromophenol	150	70.99	47		10	110
			Terphenyl-d14	100	51.37	51		14	112
P2848-07	DUP	BF138214.D	2-Fluorophenol	150	84.00	56		18	112
			Phenol-d6	150	81.51	54		15	107
			Nitrobenzene-d5	100	56.38	56		18	107
			2-Fluorobiphenyl	100	53.48	53		20	109
			2,4,6-Tribromophenol	150	81.99	55		10	110
			Terphenyl-d14	100	56.21	56		14	112
P2883-01	Soil/Gravel-SP	BF138210.D	2-Fluorophenol	150	107.63	72		18	112
			Phenol-d6	150	105.71	70		15	107
			Nitrobenzene-d5	100	72.63	73		18	107
			2-Fluorobiphenyl	100	65.46	65		20	109
			2,4,6-Tribromophenol	150	102.07	68		10	110
			Terphenyl-d14	100	76.61	77		14	112
P2883-01MS	Soil/Gravel-SPMS	BF138211.D	2-Fluorophenol	150	104.18	69		18	112
			Phenol-d6	150	104.89	70		15	107
			Nitrobenzene-d5	100	70.52	71		18	107
			2-Fluorobiphenyl	100	64.53	65		20	109
			2,4,6-Tribromophenol	150	102.48	68		10	110
			Terphenyl-d14	100	75.63	76		14	112
P2883-01MSD	Soil/Gravel-SPMS	BF138212.D	2-Fluorophenol	150	112.49	75		18	112
			Phenol-d6	150	112.55	75		15	107
			Nitrobenzene-d5	100	78.17	78		18	107
			2-Fluorobiphenyl	100	68.67	69		20	109
			2,4,6-Tribromophenol	150	110.33	74		10	110
			Terphenyl-d14	100	80.56	81		14	112
PB161522BL	PB161522BL	BF138203.D	2-Fluorophenol	150	113.67	76		18	112
			Phenol-d6	150	111.51	74		15	107
			Nitrobenzene-d5	100	77.24	77		18	107
			2-Fluorobiphenyl	100	69.24	69		20	109
			2,4,6-Tribromophenol	150	108.95	73		10	110
			Terphenyl-d14	100	66.27	66		14	112
PB161522BS	PB161522BS	BF138204.D	2-Fluorophenol	150	115.09	77		18	112



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

Surrogate Summary

SW-846

SDG No.: BF061724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161522BS	PB161522BS	BF138204.D	Phenol-d6	150	114.86	77		15	107
			Nitrobenzene-d5	100	78.25	78		18	107
			2-Fluorobiphenyl	100	71.12	71		20	109
			2,4,6-Tribromophenol	150	114.53	76		10	110
			Terphenyl-d14	100	75.81	76		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF061724

Lab Code: CHEM

SAS No.: BF061724

SDG NO.: BF061724

Lab File ID: BF138198.D

DFTPP Injection Date: 06/17/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.6
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	26.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	39.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138199.D	06/17/2024	12:30
PB161511BL	PB161511BL	BF138200.D	06/17/2024	13:05
PB161511BS	PB161511BS	BF138201.D	06/17/2024	13:33
PB161466TB	PB161466TB	BF138202.D	06/17/2024	14:02
PB161522BL	PB161522BL	BF138203.D	06/17/2024	14:31
PB161522BS	PB161522BS	BF138204.D	06/17/2024	15:00
WC-H	P2864-04	BF138205.D	06/17/2024	15:33
WC-HMS	P2864-04MS	BF138206.D	06/17/2024	16:02
WC-HMSD	P2864-04MSD	BF138207.D	06/17/2024	16:31
WC-I	P2864-08	BF138208.D	06/17/2024	17:01
WCS-TPJ	P2889-04	BF138209.D	06/17/2024	17:30
Soil/Gravel-SP	P2883-01	BF138210.D	06/17/2024	17:59
Soil/Gravel-SPMS	P2883-01MS	BF138211.D	06/17/2024	18:29
Soil/Gravel-SPMSD	P2883-01MSD	BF138212.D	06/17/2024	18:58
PE-4 (0-0.5)	P2848-05	BF138213.D	06/17/2024	19:27
DUP	P2848-07	BF138214.D	06/17/2024	19:56
EXT-PE1	P2847-05	BF138215.D	06/17/2024	20:25
EXT-PE4	P2847-08	BF138216.D	06/17/2024	20:55