

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP061224 SAS No.: BP061224 SDG No.: BP061224

Instrument ID: BNA_P Calibration Date/Time: 6/12/2024 11:27

Lab File ID: BP020597.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.616	0.558		-9.416	
Pyridine	1.269	1.278		0.709	
2-Fluorophenol	1.117	1.228		9.937	
Benzaldehyde	1.010	0.900		-10.891	
Aniline	1.596	1.496		-6.266	
Phenol-d6	1.575	1.568		-0.444	
Phenol	1.614	1.573		-2.54	20.0
bis(2-Chloroethyl) ether	1.331	1.255		-5.71	
2-Chlorophenol	1.252	1.307		4.393	
1,2-Dichlorobenzene	1.447	1.485		2.626	
1,3-Dichlorobenzene	1.475	1.546		4.814	
1,4-Dichlorobenzene	1.499	1.568		4.603	20.0
Benzyl Alcohol	1.164	1.077		-7.474	
2-Methylphenol	1.095	1.078		-1.553	
2,2-oxybis(1-Chloropropane)	1.987	1.618		-18.571	
Acetophenone	0.496	0.497		0.202	
3+4-Methylphenols	1.489	1.445		-2.955	
n-Nitroso-di-n-propylamine	1.075	0.948	0.050	-11.814	
Nitrobenzene-d5	0.365	0.387		6.027	
Hexachloroethane	0.548	0.575		4.927	
Nitrobenzene	0.371	0.381		2.695	
Isophorone	0.710	0.688		-3.099	
2-Nitrophenol	0.128	0.181		41.406	20.0
2,4-Dimethylphenol	0.214	0.218		1.869	
bis(2-Chloroethoxy) methane	0.436	0.422		-3.211	
2,4-Dichlorophenol	0.288	0.323		12.153	20.0
1,2,4-Trichlorobenzene	0.342	0.367		7.31	
Benzoic acid	0.181	0.247		36.464	
Naphthalene	1.022	1.052		2.935	
4-Chloroaniline	0.396	0.392		-1.01	
Hexachlorobutadiene	0.215	0.239		11.163	20.0
Caprolactam	0.105	0.136		29.524	
4-Chloro-3-methylphenol	0.337	0.356		5.638	20.0
2-Methylnaphthalene	0.733	0.728		-0.682	
Hexachlorocyclopentadiene	0.203	0.245	0.050	20.69	
2,4,6-Trichlorophenol	0.350	0.413		18.0	20.0
2-Fluorobiphenyl	1.342	1.376		2.534	
2,4,5-Trichlorophenol	0.404	0.461		14.109	
1,1-Biphenyl	1.411	1.421		0.709	

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Lab File ID: BP020597.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.122	1.170		4.278	
2-Nitroaniline	0.304	0.340		11.842	
Dimethylphthalate	1.410	1.468		4.113	
Acenaphthylene	1.665	1.724		3.544	
2,6-Dinitrotoluene	0.301	0.343		13.953	
3-Nitroaniline	0.302	0.346		14.57	
Acenaphthene	1.050	1.076		2.476	20.0
2,4-Dinitrophenol	0.104	0.179	0.050	72.115	
4-Nitrophenol	0.234	0.288	0.050	23.077	
Dibenzofuran	1.664	1.733		4.147	
2,4-Dinitrotoluene	0.396	0.487		22.98	
Diethylphthalate	1.433	1.494		4.257	
4-Chlorophenyl-phenylether	0.689	0.724		5.08	
Fluorene	1.336	1.388		3.892	
4-Nitroaniline	0.311	0.369		18.65	
4,6-Dinitro-2-methylphenol	0.078	0.121		55.128	
n-Nitrosodiphenylamine	0.550	0.557		1.273	20.0
Azobenzene	1.338	1.295		-3.214	
2,4,6-Tribromophenol	0.208	0.288		38.462	
4-Bromophenyl-phenylether	0.205	0.216		5.366	
Hexachlorobenzene	0.241	0.256		6.224	
Atrazine	0.193	0.196		1.554	
Pentachlorophenol	0.146	0.182		24.658	20.0
Phenanthrene	0.983	1.020		3.764	
Anthracene	0.965	1.014		5.078	
Carbazole	0.933	0.985		5.573	
Di-n-butylphthalate	1.130	1.241		9.823	
Fluoranthene	1.163	1.318		13.328	20.0
Benzidine	0.610	0.349		-42.787	
Pyrene	1.504	1.392		-7.447	
Terphenyl-d14	1.201	1.131		-5.828	
Butylbenzylphthalate	0.549	0.579		5.464	
3,3-Dichlorobenzidine	0.391	0.465		18.926	
Benzo(a)anthracene	1.317	1.356		2.961	
Chrysene	1.241	1.284		3.465	
Bis(2-ethylhexyl)phthalate	0.856	0.842		-1.636	
Di-n-octyl phthalate	1.244	1.485		19.373	20.0
Benzo(b)fluoranthene	1.246	1.192		-4.334	
Benzo(k)fluoranthene	1.215	1.137		-6.42	

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Instrument ID: BNA_P Calibration Date/Time: 6/12/2024 11:27

Lab File ID: BP020597.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.032	1.057		2.422	20.0
Indeno(1,2,3-cd)pyrene	1.216	1.402		15.296	
Dibenzo(a,h)anthracene	1.014	1.169		15.286	
Benzo(g,h,i)perylene	1.014	1.172		15.582	
1,2,4,5-Tetrachlorobenzene	0.579	0.617		6.563	
1,4-Dioxane	0.451	0.501		11.086	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.406		23.03	
1-Methylnaphthalene	0.726	0.726		0.0	

All other compounds must meet a minimum RRF of 0.010.

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:	PB161426BL	SDG No.:	BP061224
Lab Sample ID:	PB161426BL	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
BP020598.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

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:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	PB161426BL	SDG No.:	BP061224
Lab Sample ID:	PB161426BL	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
BP020598.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

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:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	PB161426BL	SDG No.:	BP061224
Lab Sample ID:	PB161426BL	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
BP020598.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

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	123.726		10-139		82	SPK: -150
13127-88-3	Phenol-d6	107.076		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	79.753		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	80.816		52-132		81	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:	PB161426BL	SDG No.:	BP061224
Lab Sample ID:	PB161426BL	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
BP020598.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.268		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	73.232		36-145		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	264920	7.752				
1146-65-2	Naphthalene-d8	964187	10.528				
15067-26-2	Acenaphthene-d10	562250	14.381				
1517-22-2	Phenanthrene-d10	1073246	17.18				
1719-03-5	Chrysene-d12	1017907	21.645				
1520-96-3	Perylene-d12	1276090	24.998				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2	J			3.028	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.7	A			4.934	

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:	PB161426BS	SDG No.:	BP061224
Lab Sample ID:	PB161426BS	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
BP020599.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	34.9		1	8	10	ug/L
110-86-1	Pyridine	28.9		1.6	4	5	ug/L
100-52-7	Benzaldehyde	26.1		4	8	10	ug/L
62-53-3	Aniline	21.1		1.6	4	5	ug/L
108-95-2	Phenol	36.8		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.8		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	40		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	38.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	36.1		1.6	8	10	ug/L
95-48-7	2-Methylphenol	35.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	32.8		1.4	4	5	ug/L
98-86-2	Acetophenone	39.7		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	35.1		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	32		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	38.9		1	4	5	ug/L
98-95-3	Nitrobenzene	38.6		1.3	4	5	ug/L
78-59-1	Isophorone	36.3		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	40.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	36.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.5		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.1		1.1	4	5	ug/L
65-85-0	Benzoic acid	41.6		5.5	8	10	ug/L
91-20-3	Naphthalene	39.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	18.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	42.1		1.3	4	5	ug/L

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:	PB161426BS	SDG No.:	BP061224
Lab Sample ID:	PB161426BS	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
BP020599.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	34.7		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	37.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	36.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	46.9		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	41		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	43.8		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	39.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	44.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	41.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	32.1		1.4	4	5	ug/L
83-32-9	Acenaphthene	39.6		0.81	4	5	ug/L
Total PAH	Total PAH	706.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	96.1	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	91.1	E	2	8	10	ug/L
132-64-9	Dibenzofuran	40.5		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	84.6		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	43.5		1.5	4	5	ug/L
84-66-2	Diethylphthalate	38.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39.9		0.98	4	5	ug/L
86-73-7	Fluorene	40.2		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	38.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	52.9		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.4		0.89	4	5	ug/L
103-33-3	Azobenzene	36.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.3		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	42.8		1.1	4	5	ug/L
1912-24-9	Atrazine	44.6		1.3	4	5	ug/L

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:	PB161426BS	SDG No.:	BP061224
Lab Sample ID:	PB161426BS	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
BP020599.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	92.3	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43		0.89	4	5	ug/L
120-12-7	Anthracene	43		1.1	4	5	ug/L
86-74-8	Carbazole	42.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.7		1.3	4	5	ug/L
92-87-5	Benzidine	11.6		4.1	8	10	ug/L
129-00-0	Pyrene	35.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	39		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	39.6		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	41.6		0.94	4	5	ug/L
218-01-9	Chrysene	41.7		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	39.2		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47.5		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	41.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	41.5		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	54.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	53.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.4		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	33.4		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	34.7		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.615		10-139		80	SPK: -150
13127-88-3	Phenol-d6	103.234		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	76.918		49-133		77	SPK: -100
321-60-8	2-Fluorobiphenyl	80.274		52-132		80	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:	PB161426BS	SDG No.:	BP061224
Lab Sample ID:	PB161426BS	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
BP020599.D	1	6/10/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.023		32-145		97	SPK: -150
1718-51-0	Terphenyl-d14	71.406		36-145		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	251363	7.757				
1146-65-2	Naphthalene-d8	910468	10.516				
15067-26-2	Acenaphthene-d10	525671	14.375				
1517-22-2	Phenanthrene-d10	1042918	17.186				
1719-03-5	Chrysene-d12	1042195	21.639				
1520-96-3	Perylene-d12	1174013	24.992				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BL	SDG No.:	BP061224
Lab Sample ID:	PB161385BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020600.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

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

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BL	SDG No.:	BP061224
Lab Sample ID:	PB161385BL	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
BP020600.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

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

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BL	SDG No.:	BP061224
Lab Sample ID:	PB161385BL	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
BP020600.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	123.485		18-112		82	SPK: -150
13127-88-3	Phenol-d6	105.914		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	80.269		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	82.615		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BL	SDG No.:	BP061224
Lab Sample ID:	PB161385BL	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
BP020600.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.579		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	72.537		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	283365	7.758				
1146-65-2	Naphthalene-d8	1022749	10.528				
15067-26-2	Acenaphthene-d10	582189	14.381				
1517-22-2	Phenanthrene-d10	1056846	17.186				
1719-03-5	Chrysene-d12	963794	21.645				
1520-96-3	Perylene-d12	1239658	24.992				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	69.3	J			3.034	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			4.934	

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BS	SDG No.:	BP061224
Lab Sample ID:	PB161385BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020601.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.7	270	330	ug/Kg
110-86-1	Pyridine	1000		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	880		180	270	330	ug/Kg
62-53-3	Aniline	680		96.8	130	170	ug/Kg
108-95-2	Phenol	1200		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1300		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1200		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1200		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1100		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1300		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1200		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1300		240	270	330	ug/Kg
91-20-3	Naphthalene	1300		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	580		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BS	SDG No.:	BP061224
Lab Sample ID:	PB161385BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020601.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1200		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81	130	170	ug/Kg
Total PAH	Total PAH	23900		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1300		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BS	SDG No.:	BP061224
Lab Sample ID:	PB161385BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020601.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3100	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1400		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	410		160	270	330	ug/Kg
129-00-0	Pyrene	1200		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1300		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.6	130	170	ug/Kg
218-01-9	Chrysene	1400		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1100		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119.879		18-112		80	SPK: -150
13127-88-3	Phenol-d6	100.26		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	77.981		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	81.375		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161385BS	SDG No.:	BP061224
Lab Sample ID:	PB161385BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020601.D	1	6/7/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	150.745		10-110		100	SPK: -150
1718-51-0	Terphenyl-d14	72.517		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	249045	7.758				
1146-65-2	Naphthalene-d8	877627	10.528				
15067-26-2	Acenaphthene-d10	481648	14.387				
1517-22-2	Phenanthrene-d10	1008137	17.186				
1719-03-5	Chrysene-d12	978433	21.639				
1520-96-3	Perylene-d12	1158524	24.992				

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:	PB161451BL	SDG No.:	BP061224
Lab Sample ID:	PB161451BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020602.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

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



Client:				Date Collected:	6/12/2024 12:00:00 AM	
Project:				Date Received:	6/12/2024 12:00:00 AM	
Client Sample ID:	PB161451BL			SDG No.:	BP061224	
Lab Sample ID:	PB161451BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020602.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
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



Client:				Date Collected:	6/12/2024 12:00:00 AM	
Project:				Date Received:	6/12/2024 12:00:00 AM	
Client Sample ID:	PB161451BL			SDG No.:	BP061224	
Lab Sample ID:	PB161451BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020602.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124.404		18-112		83	SPK: -150
13127-88-3	Phenol-d6	106.739		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	79.056		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	81.315		20-109		81	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:	PB161451BL	SDG No.:	BP061224
Lab Sample ID:	PB161451BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020602.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.217		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	71.254		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	258205	7.752				
1146-65-2	Naphthalene-d8	944749	10.522				
15067-26-2	Acenaphthene-d10	550187	14.381				
1517-22-2	Phenanthrene-d10	1043005	17.181				
1719-03-5	Chrysene-d12	992600	21.633				
1520-96-3	Perylene-d12	1247155	24.98				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	67.6	J			3.029	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			4.928	

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:	PB161451BS	SDG No.:	BP061224
Lab Sample ID:	PB161451BS	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
BP020603.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.8	270	330	ug/Kg
110-86-1	Pyridine	1000		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	910		180	270	330	ug/Kg
62-53-3	Aniline	720		96.9	130	170	ug/Kg
108-95-2	Phenol	1300		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1400		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	1200		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1200		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1200		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	130	170	ug/Kg
78-59-1	Isophorone	1300		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	630		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	130	170	ug/Kg

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:	PB161451BS	SDG No.:	BP061224
Lab Sample ID:	PB161451BS	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
BP020603.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1300		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81.1	130	170	ug/Kg
Total PAH	Total PAH	24400		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1400		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1300		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.4	130	170	ug/Kg

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:	PB161451BS	SDG No.:	BP061224
Lab Sample ID:	PB161451BS	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
BP020603.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3200	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1500		84.4	130	170	ug/Kg
86-74-8	Carbazole	1500		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	130	170	ug/Kg
92-87-5	Benzidine	410		160	270	330	ug/Kg
129-00-0	Pyrene	1300		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1300		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	130	170	ug/Kg
218-01-9	Chrysene	1500		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		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	1900		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.12		18-112		83	SPK: -150
13127-88-3	Phenol-d6	106.358		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	81.523		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	81.231		20-109		81	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:	PB161451BS	SDG No.:	BP061224
Lab Sample ID:	PB161451BS	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
BP020603.D	1	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	155.057		10-110		103	SPK: -150
1718-51-0	Terphenyl-d14	73.822		14-112		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	259316	7.751				
1146-65-2	Naphthalene-d8	910834	10.516				
15067-26-2	Acenaphthene-d10	531200	14.374				
1517-22-2	Phenanthrene-d10	1100028	17.186				
1719-03-5	Chrysene-d12	1072704	21.639				
1520-96-3	Perylene-d12	1273728	24.992				

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:	TR-05-061024	SDG No.:	BP061224
Lab Sample ID:	P2812-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020604.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

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	240	U	240	350	430	ug/Kg
62-53-3	Aniline	130	U	130	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	52.1	U	52.1	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	97.7	U	97.7	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



Client:				Date Collected:	6/10/2024 12:00:00 AM	
Project:				Date Received:	6/10/2024 12:00:00 AM	
Client Sample ID:	TR-05-061024			SDG No.:	BP061224	
Lab Sample ID:	P2812-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	7.3	
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
BP020604.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

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	100	U	100	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	92.4	U	92.4	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.7	U	95.7	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	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	170	220	ug/Kg
Total PAH	Total PAH	1710	U	1710	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:	TR-05-061024	SDG No.:	BP061224
Lab Sample ID:	P2812-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020604.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	350	430	ug/Kg
85-01-8	Phenanthrene	160	J	110	170	220	ug/Kg
120-12-7	Anthracene	110	U	110	170	220	ug/Kg
86-74-8	Carbazole	100	U	100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	240		110	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	430	ug/Kg
129-00-0	Pyrene	200	J	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	100	170	220	ug/Kg
218-01-9	Chrysene	140	J	100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.6	U	96.6	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.042		18-112		83	SPK: -150
13127-88-3	Phenol-d6	114.046		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	79.584		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	81.718		20-109		82	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:	TR-05-061024	SDG No.:	BP061224
Lab Sample ID:	P2812-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BP020604.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	149.14		10-110		99	SPK: -150
1718-51-0	Terphenyl-d14	74.312		14-112		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	251958	7.752				
1146-65-2	Naphthalene-d8	965953	10.51				
15067-26-2	Acenaphthene-d10	606492	14.375				
1517-22-2	Phenanthrene-d10	1233571	17.175				
1719-03-5	Chrysene-d12	1110346	21.639				
1520-96-3	Perylene-d12	1282537	24.998				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1000	J			3.028	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			4.923	
000057-10-3	n-Hexadecanoic acid	410	J			18.122	
002462-85-3	9,12-Octadecadienoic acid, methyl	240	J			19.086	
052355-31-4	6-Octadecenoic acid, methyl ester	130	J			19.122	
000057-11-4	Octadecanoic acid	230	J			19.469	
000593-50-0	1-Triacontanol	170	J			21.328	

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:	TR-05-061024MS	SDG No.:	BP061224
Lab Sample ID:	P2812-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09 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
BP020605.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	790		110	350	430	ug/Kg
110-86-1	Pyridine	710		100	170	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	350	430	ug/Kg
62-53-3	Aniline	370		130	170	220	ug/Kg
108-95-2	Phenol	950		110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	880		110	170	220	ug/Kg
95-57-8	2-Chlorophenol	1000		110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	940		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	930		110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	930		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	920		110	350	430	ug/Kg
95-48-7	2-Methylphenol	930		100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	820		120	170	220	ug/Kg
98-86-2	Acetophenone	930		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	940		100	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		52.1	100	100	ug/Kg
67-72-1	Hexachloroethane	940		110	170	220	ug/Kg
98-95-3	Nitrobenzene	880		120	170	220	ug/Kg
78-59-1	Isophorone	880		110	170	220	ug/Kg
88-75-5	2-Nitrophenol	1200		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		97.6	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		110	170	220	ug/Kg
65-85-0	Benzoic acid	1100		310	350	430	ug/Kg
91-20-3	Naphthalene	960		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	410		110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	990		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:	TR-05-061024MS	SDG No.:	BP061224
Lab Sample ID:	P2812-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09 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
BP020605.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	880		110	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		100	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	920		110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	710		200	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		92.3	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		95.6	170	220	ug/Kg
92-52-4	1,1-Biphenyl	1000		110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	990		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	1100		120	170	220	ug/Kg
131-11-3	Dimethylphthalate	960		110	170	220	ug/Kg
208-96-8	Acenaphthylene	1100		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	990		110	170	220	ug/Kg
99-09-2	3-Nitroaniline	680		120	170	220	ug/Kg
83-32-9	Acenaphthene	970		100	170	220	ug/Kg
Total PAH	Total PAH	16960		1700	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		310	350	430	ug/Kg
100-02-7	4-Nitrophenol	2100		150	350	430	ug/Kg
132-64-9	Dibenzofuran	1000		110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	990		220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		110	170	220	ug/Kg
84-66-2	Diethylphthalate	950		100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		110	170	220	ug/Kg
86-73-7	Fluorene	1000		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	910		140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	790		150	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		110	170	220	ug/Kg
103-33-3	Azobenzene	920		100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	990		110	170	220	ug/Kg
1912-24-9	Atrazine	1100		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:	TR-05-061024MS	SDG No.:	BP061224
Lab Sample ID:	P2812-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09 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
BP020605.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100		99.9	350	430	ug/Kg
85-01-8	Phenanthrene	1100		110	170	220	ug/Kg
120-12-7	Anthracene	1100		110	170	220	ug/Kg
86-74-8	Carbazole	1000		100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	1000		110	170	220	ug/Kg
206-44-0	Fluoranthene	1200		110	170	220	ug/Kg
92-87-5	Benzidine	660		210	350	430	ug/Kg
129-00-0	Pyrene	1000		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	980		130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	930		130	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	1100		100	170	220	ug/Kg
218-01-9	Chrysene	1100		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	970		120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		140	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	940		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	1100		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		110	170	220	ug/Kg
123-91-1	1,4-Dioxane	770		140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		96.5	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	880		110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.896		18-112		75	SPK: -150
13127-88-3	Phenol-d6	102.99		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	68.864		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	72.136		20-109		72	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:	TR-05-061024MS	SDG No.:	BP061224
Lab Sample ID:	P2812-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09 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
BP020605.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.308		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	64.542		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	259743	7.752				
1146-65-2	Naphthalene-d8	1027647	10.522				
15067-26-2	Acenaphthene-d10	633593	14.375				
1517-22-2	Phenanthrene-d10	1274329	17.192				
1719-03-5	Chrysene-d12	1159385	21.639				
1520-96-3	Perylene-d12	1361958	24.998				

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:	TR-05-061024MSD	SDG No.:	BP061224
Lab Sample ID:	P2812-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020606.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	760		110	350	430	ug/Kg
110-86-1	Pyridine	690		100	170	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	350	430	ug/Kg
62-53-3	Aniline	400		130	170	220	ug/Kg
108-95-2	Phenol	930		110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	860		110	170	220	ug/Kg
95-57-8	2-Chlorophenol	980		110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	920		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	910		110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	910		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	900		110	350	430	ug/Kg
95-48-7	2-Methylphenol	930		100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	800		120	170	220	ug/Kg
98-86-2	Acetophenone	910		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	900		100	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	820		52.1	100	100	ug/Kg
67-72-1	Hexachloroethane	900		110	170	220	ug/Kg
98-95-3	Nitrobenzene	900		120	170	220	ug/Kg
78-59-1	Isophorone	870		110	170	220	ug/Kg
88-75-5	2-Nitrophenol	1200		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		97.6	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		110	170	220	ug/Kg
65-85-0	Benzoic acid	1100		310	350	430	ug/Kg
91-20-3	Naphthalene	950		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	450		110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	980		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:	TR-05-061024MSD	SDG No.:	BP061224
Lab Sample ID:	P2812-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020606.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	910		110	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	960		100	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	930		110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	660		200	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		92.3	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		95.7	170	220	ug/Kg
92-52-4	1,1-Biphenyl	970		110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	960		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	1000		120	170	220	ug/Kg
131-11-3	Dimethylphthalate	930		110	170	220	ug/Kg
208-96-8	Acenaphthylene	1000		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	950		110	170	220	ug/Kg
99-09-2	3-Nitroaniline	700		120	170	220	ug/Kg
83-32-9	Acenaphthene	950		100	170	220	ug/Kg
Total PAH	Total PAH	16790		1700	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	1000		310	350	430	ug/Kg
100-02-7	4-Nitrophenol	2100		150	350	430	ug/Kg
132-64-9	Dibenzofuran	990		110	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		220	170	440	ug/Kg
84-66-2	Diethylphthalate	930		100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	960		110	170	220	ug/Kg
86-73-7	Fluorene	990		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	910		140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	700		150	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		110	170	220	ug/Kg
103-33-3	Azobenzene	910		100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	970		110	170	220	ug/Kg
1912-24-9	Atrazine	1100		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:	TR-05-061024MSD	SDG No.:	BP061224
Lab Sample ID:	P2812-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020606.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000		99.9	350	430	ug/Kg
85-01-8	Phenanthrene	1100		110	170	220	ug/Kg
120-12-7	Anthracene	1100		110	170	220	ug/Kg
86-74-8	Carbazole	1000		100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	990		110	170	220	ug/Kg
206-44-0	Fluoranthene	1200		110	170	220	ug/Kg
92-87-5	Benzidine	730		210	350	430	ug/Kg
129-00-0	Pyrene	1000		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	980		130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		130	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	1100		100	170	220	ug/Kg
218-01-9	Chrysene	1100		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	940		120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		140	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	950		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	950		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	1100		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		110	170	220	ug/Kg
123-91-1	1,4-Dioxane	750		140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		96.6	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	860		110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.414		18-112		72	SPK: -150
13127-88-3	Phenol-d6	98.792		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	68.718		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	69.856		20-109		70	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:	TR-05-061024MSD	SDG No.:	BP061224
Lab Sample ID:	P2812-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020606.D	2	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.734		10-110		90	SPK: -150
1718-51-0	Terphenyl-d14	65.26		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	253231	7.752				
1146-65-2	Naphthalene-d8	995696	10.522				
15067-26-2	Acenaphthene-d10	639615	14.375				
1517-22-2	Phenanthrene-d10	1326284	17.18				
1719-03-5	Chrysene-d12	1179091	21.651				
1520-96-3	Perylene-d12	1420844	25.009				

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:	HR-03-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020607.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	870	1100	ug/Kg
110-86-1	Pyridine	260	U	260	420	550	ug/Kg
100-52-7	Benzaldehyde	580	U	580	870	1100	ug/Kg
62-53-3	Aniline	310	U	310	420	550	ug/Kg
108-95-2	Phenol	270	U	270	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	420	550	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	420	550	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	870	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	420	550	ug/Kg
98-86-2	Acetophenone	280	U	280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	870	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	420	550	ug/Kg
98-95-3	Nitrobenzene	290	U	290	420	550	ug/Kg
78-59-1	Isophorone	270	U	270	420	550	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	420	550	ug/Kg
65-85-0	Benzoic acid	760	U	760	870	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	420	550	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	6/11/2024 12:00:00 AM
Project:		Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	HR-03-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020607.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	280	U	280	870	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	260	U	260	420	550	ug/Kg
77-47-4	Hexachlorocyclopentadiene	500	U	500	870	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	420	550	ug/Kg
92-52-4	1,1-Biphenyl	280	U	280	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	550	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	420	550	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	420	550	ug/Kg
208-96-8	Acenaphthylene	280	U	280	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	420	550	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	420	550	ug/Kg
83-32-9	Acenaphthene	260	U	260	420	550	ug/Kg
Total PAH	Total PAH	4270	U	4270	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	780	U	780	870	1100	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	870	1100	ug/Kg
132-64-9	Dibenzofuran	270	U	270	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	420	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	420	550	ug/Kg
84-66-2	Diethylphthalate	260	U	260	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	420	550	ug/Kg
86-73-7	Fluorene	270	U	270	420	550	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	870	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	420	550	ug/Kg
103-33-3	Azobenzene	260	U	260	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	420	550	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	420	550	ug/Kg
1912-24-9	Atrazine	290	U	290	420	550	ug/Kg



Client:				Date Collected:	6/11/2024 12:00:00 AM	
Project:				Date Received:	6/11/2024 12:00:00 AM	
Client Sample ID:	HR-03-061124			SDG No.:	BP061224	
Lab Sample ID:	P2846-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.6	
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020607.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	870	1100	ug/Kg
85-01-8	Phenanthrene	270	U	270	420	550	ug/Kg
120-12-7	Anthracene	270	U	270	420	550	ug/Kg
86-74-8	Carbazole	260	U	260	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	420	550	ug/Kg
206-44-0	Fluoranthene	260	U	260	420	550	ug/Kg
92-87-5	Benzidine	520	U	520	870	1100	ug/Kg
129-00-0	Pyrene	270	U	270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	260	U	260	420	550	ug/Kg
218-01-9	Chrysene	260	U	260	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	260	U	260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	U	270	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	300	U	300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	550	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.305		18-112		66	SPK: -150
13127-88-3	Phenol-d6	87.7		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	60.83		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	64.73		20-109		65	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:	HR-03-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020607.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	118.985		10-110		79	SPK: -150
1718-51-0	Terphenyl-d14	61.515		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	244631	7.757				
1146-65-2	Naphthalene-d8	945874	10.528				
15067-26-2	Acenaphthene-d10	601250	14.38				
1517-22-2	Phenanthrene-d10	1186687	17.186				
1719-03-5	Chrysene-d12	1107730	21.651				
1520-96-3	Perylene-d12	1333736	25.015				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	3900	J			11.945	
000629-59-4	Tetradecane	2300	J			13.192	
000629-94-7	Heneicosane	2800	J			14.28	
000544-76-3	Hexadecane	2800	J			15.257	
000629-78-7	Heptadecane	5300	J			16.133	
000593-49-7	Heptacosane	3400	J			16.951	
013187-99-0	2-Bromo dodecane	1700	J			17.01	
000629-92-5	Nonadecane	3000	J			17.721	
000112-39-0	Hexadecanoic acid, methyl ester	18500	J			17.91	
000057-10-3	n-Hexadecanoic acid	3600	J			18.151	
000112-95-8	Eicosane	3200	J			18.445	
002566-97-4	9,12-Octadecadienoic acid, methyl	39200	J			19.104	
052380-33-3	11-Octadecenoic acid, methyl ester	40400	J			19.151	
000112-61-8	Methyl stearate	11500	J			19.274	
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	6300	J			19.333	
017351-34-7	14-Pentadecenoic acid	3100	J			19.357	
1000406-31-9	Docosane, 1-iodo-	1900	J			19.71	
000593-45-3	Octadecane	1900	J			20.274	
069120-02-1	cis-13-Eicosenoic acid, methyl est	2200	J			20.304	

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:	HR-03-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020607.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000929-77-1	Docosanoic acid, methyl ester	1600	J			21.48	

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:	HR-04-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.2
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
BP020608.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	840	1000	ug/Kg
110-86-1	Pyridine	250	U	250	410	530	ug/Kg
100-52-7	Benzaldehyde	570	U	570	840	1000	ug/Kg
62-53-3	Aniline	300	U	300	410	530	ug/Kg
108-95-2	Phenol	260	U	260	410	530	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	410	530	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	410	530	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	410	530	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	410	530	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	410	530	ug/Kg
100-51-6	Benzyl Alcohol	260	U	260	840	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	410	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	280	410	530	ug/Kg
98-86-2	Acetophenone	270	U	270	410	530	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	840	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	250	250	ug/Kg
67-72-1	Hexachloroethane	260	U	260	410	530	ug/Kg
98-95-3	Nitrobenzene	280	U	280	410	530	ug/Kg
78-59-1	Isophorone	260	U	260	410	530	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	410	530	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	410	530	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	410	530	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	410	530	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	410	530	ug/Kg
65-85-0	Benzoic acid	740	U	740	840	1000	ug/Kg
91-20-3	Naphthalene	260	U	260	410	530	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	410	530	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	410	530	ug/Kg



Client:				Date Collected:	6/11/2024 12:00:00 AM	
Project:				Date Received:	6/11/2024 12:00:00 AM	
Client Sample ID:	HR-04-061124			SDG No.:	BP061224	
Lab Sample ID:	P2846-03			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	4.2	
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
BP020608.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270	U	270	840	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	410	530	ug/Kg
91-57-6	2-Methylnaphthalene	260	U	260	410	530	ug/Kg
77-47-4	Hexachlorocyclopentadiene	490	U	490	840	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	410	530	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	410	530	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	410	530	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	410	530	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	410	530	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	410	530	ug/Kg
208-96-8	Acenaphthylene	270	U	270	410	530	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	410	530	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	410	530	ug/Kg
83-32-9	Acenaphthene	250	U	250	410	530	ug/Kg
Total PAH	Total PAH	20740	U	4130	410	8480	ug/Kg
51-28-5	2,4-Dinitrophenol	760	U	760	840	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	840	1000	ug/Kg
132-64-9	Dibenzofuran	260	U	260	410	530	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	410	530	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	530	U	530	410	1060	ug/Kg
84-66-2	Diethylphthalate	250	U	250	410	530	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	410	530	ug/Kg
86-73-7	Fluorene	290	J	270	410	530	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	410	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	370	840	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	410	530	ug/Kg
103-33-3	Azobenzene	250	U	250	410	530	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	410	530	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	410	530	ug/Kg
1912-24-9	Atrazine	290	U	290	410	530	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:	HR-04-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.2
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
BP020608.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	240	U	240	840	1000	ug/Kg
85-01-8	Phenanthrene	2500		260	410	530	ug/Kg
120-12-7	Anthracene	690		260	410	530	ug/Kg
86-74-8	Carbazole	330	J	250	410	530	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	410	530	ug/Kg
206-44-0	Fluoranthene	3900		260	410	530	ug/Kg
92-87-5	Benzidine	510	U	510	840	1000	ug/Kg
129-00-0	Pyrene	3000		260	410	530	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	410	530	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	310	840	1000	ug/Kg
56-55-3	Benzo(a)anthracene	1800		250	410	530	ug/Kg
218-01-9	Chrysene	1700		250	410	530	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	410	530	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	840	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		250	410	530	ug/Kg
207-08-9	Benzo(k)fluoranthene	660		260	410	530	ug/Kg
50-32-8	Benzo(a)pyrene	1700		290	410	530	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		240	410	530	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	300	J	250	410	530	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		250	410	530	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	410	530	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	410	530	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	410	530	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	530	530	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.445		18-112		50	SPK: -150
13127-88-3	Phenol-d6	66.725		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	47.73		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	52.155		20-109		52	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:	HR-04-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.2
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
BP020608.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.09		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	47.35		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	256115	7.764				
1146-65-2	Naphthalene-d8	988347	10.528				
15067-26-2	Acenaphthene-d10	610549	14.381				
1517-22-2	Phenanthrene-d10	1215582	17.192				
1719-03-5	Chrysene-d12	1114058	21.645				
1520-96-3	Perylene-d12	1337218	25.021				
TENTATIVE IDENTIFIED COMPOUNDS							
001120-21-4	Undecane	1800	J			8.963	
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	1700	J			9.94	
061142-20-9	Cyclohexane, (4-methylpentyl)-	1400	J			11.222	
001075-22-5	1H-Indene, 2,3-dihydro-5,6-dimethy	1600	J			11.434	
061141-72-8	Dodecane, 4,6-dimethyl-	1400	J			11.54	
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	1800	J			11.722	
000629-50-5	Tridecane	5100	J			11.94	
000629-59-4	Tetradecane	2800	J			13.198	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	3300	J			14.287	
000544-76-3	Hexadecane	3300	J			15.251	
017301-22-3	Undecane, 2,5-dimethyl-	1300	J			15.663	
000629-78-7	Heptadecane	6700	J			16.134	
000593-45-3	Octadecane	4000	J			16.951	
000629-93-6	Octadecane, 1-iodo-	2600	J			17.004	
000593-49-7	Heptacosane	3700	J			17.716	
000112-39-0	Hexadecanoic acid, methyl ester	20300	J			17.904	
000057-10-3	n-Hexadecanoic acid	5900	J			18.157	
000112-95-8	Eicosane	3400	J			18.434	
056554-62-2	10,13-Octadecadienoic acid, methyl	56200	J			19.11	

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:	HR-04-061124	SDG No.:	BP061224
Lab Sample ID:	P2846-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.2
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
BP020608.D	5	6/12/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000112-61-8	Methyl stearate	13200	J			19.269	

Hit Summary Sheet SW-846

SDG No.: BP061224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TR-05-061024								
P2812-01	TR-05-061024	Solid	1-Triacontanol	*	170.000	J		
P2812-01	TR-05-061024	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	120.000	A		
P2812-01	TR-05-061024	Solid	6-Octadecenoic acid, methyl ester	*	130.000	J		
P2812-01	TR-05-061024	Solid	9,12-Octadecadienoic acid, methyl	*	240.000	J		
P2812-01	TR-05-061024	Solid	Butane, 2-methoxy-2-methyl-	*	1,000.000	J		
P2812-01	TR-05-061024	Solid	n-Hexadecanoic acid	*	410.000	J		
P2812-01	TR-05-061024	Solid	Octadecanoic acid	*	230.000	J		
			Total Tics :		2,300.00			
P2812-01	TR-05-061024	Solid	Benzo(a)anthracene		120.000	J 100	220	ug/Kg
P2812-01	TR-05-061024	Solid	Benzo(a)pyrene		130.000	J 120	220	ug/Kg
P2812-01	TR-05-061024	Solid	Benzo(b)fluoranthene		150.000	J 100	220	ug/Kg
P2812-01	TR-05-061024	Solid	Chrysene		140.000	J 100	220	ug/Kg
P2812-01	TR-05-061024	Solid	Fluoranthene		240.000	110	220	ug/Kg
P2812-01	TR-05-061024	Solid	Phenanthrene		160.000	J 110	220	ug/Kg
P2812-01	TR-05-061024	Solid	Pyrene		200.000	J 110	220	ug/Kg
			Total Svoc :		1,140.00			
			Total Concentration:		3,440.00			
Client ID : HR-03-061124								
P2846-01	HR-03-061124	Solid	11-Octadecenoic acid, methyl ester	*	40,400.000	J		
P2846-01	HR-03-061124	Solid	14-Pentadecenoic acid	*	3,100.000	J		
P2846-01	HR-03-061124	Solid	2-Bromo dodecane	*	1,700.000	J		
P2846-01	HR-03-061124	Solid	9,12-Octadecadienoic acid (Z,Z)-	*	6,300.000	J		
P2846-01	HR-03-061124	Solid	9,12-Octadecadienoic acid, methyl	*	39,200.000	J		
P2846-01	HR-03-061124	Solid	cis-13-Eicosenoic acid, methyl ester	*	2,200.000	J		
P2846-01	HR-03-061124	Solid	Docosane, 1-iodo-	*	1,900.000	J		
P2846-01	HR-03-061124	Solid	Docosanoic acid, methyl ester	*	1,600.000	J		
P2846-01	HR-03-061124	Solid	Eicosane	*	3,200.000	J		
P2846-01	HR-03-061124	Solid	Heneicosane	*	2,800.000	J		
P2846-01	HR-03-061124	Solid	Heptacosane	*	3,400.000	J		
P2846-01	HR-03-061124	Solid	Heptadecane	*	5,300.000	J		
P2846-01	HR-03-061124	Solid	Hexadecane	*	2,800.000	J		
P2846-01	HR-03-061124	Solid	Hexadecanoic acid, methyl ester	*	18,500.000	J		
P2846-01	HR-03-061124	Solid	Methyl stearate	*	11,500.000	J		
P2846-01	HR-03-061124	Solid	n-Hexadecanoic acid	*	3,600.000	J		
P2846-01	HR-03-061124	Solid	Nonadecane	*	3,000.000	J		
P2846-01	HR-03-061124	Solid	Octadecane	*	1,900.000	J		
P2846-01	HR-03-061124	Solid	Tetradecane	*	2,300.000	J		

Hit Summary Sheet SW-846

SDG No.: BP061224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2846-01	HR-03-061124	Solid	Tridecane	*	3,900.000	J		
Total Tics :								
Total Concentration:								
Client ID : HR-04-061124								
P2846-03	HR-04-061124	Solid	10,13-Octadecadienoic acid, meth	*	56,200.000	J		
P2846-03	HR-04-061124	Solid	1H-Indene, 2,3-dihydro-5,6-dimet	*	1,600.000	J		
P2846-03	HR-04-061124	Solid	Benzene, 1-ethenyl-4-ethyl-	*	1,700.000	J		
P2846-03	HR-04-061124	Solid	Carbonic acid, eicosyl vinyl ester	*	3,300.000	J		
P2846-03	HR-04-061124	Solid	Cyclohexane, (4-methylpentyl)-	*	1,400.000	J		
P2846-03	HR-04-061124	Solid	Dodecane, 4,6-dimethyl-	*	1,400.000	J		
P2846-03	HR-04-061124	Solid	Eicosane	*	3,400.000	J		
P2846-03	HR-04-061124	Solid	Heptacosane	*	3,700.000	J		
P2846-03	HR-04-061124	Solid	Heptadecane	*	6,700.000	J		
P2846-03	HR-04-061124	Solid	Hexadecane	*	3,300.000	J		
P2846-03	HR-04-061124	Solid	Hexadecanoic acid, methyl ester	*	20,300.000	J		
P2846-03	HR-04-061124	Solid	Methyl stearate	*	13,200.000	J		
P2846-03	HR-04-061124	Solid	n-Hexadecanoic acid	*	5,900.000	J		
P2846-03	HR-04-061124	Solid	Naphthalene, 1,2,3,4-tetrahydro-6	*	1,800.000	J		
P2846-03	HR-04-061124	Solid	Octadecane	*	4,000.000	J		
P2846-03	HR-04-061124	Solid	Octadecane, 1-iodo-	*	2,600.000	J		
P2846-03	HR-04-061124	Solid	Tetradecane	*	2,800.000	J		
P2846-03	HR-04-061124	Solid	Tridecane	*	5,100.000	J		
P2846-03	HR-04-061124	Solid	Undecane	*	1,800.000	J		
P2846-03	HR-04-061124	Solid	Undecane, 2,5-dimethyl-	*	1,300.000	J		
Total Tics :								
P2846-03	HR-04-061124	Solid	Anthracene		690.000		260	ug/Kg
P2846-03	HR-04-061124	Solid	Benzo(a)anthracene		1,800.000		250	ug/Kg
P2846-03	HR-04-061124	Solid	Benzo(a)pyrene		1,700.000		290	ug/Kg
P2846-03	HR-04-061124	Solid	Benzo(b)fluoranthene		2,000.000		250	ug/Kg
P2846-03	HR-04-061124	Solid	Benzo(g,h,i)perylene		1,200.000		250	ug/Kg
P2846-03	HR-04-061124	Solid	Benzo(k)fluoranthene		660.000		260	ug/Kg
P2846-03	HR-04-061124	Solid	Carbazole		330.000	J	250	ug/Kg
P2846-03	HR-04-061124	Solid	Chrysene		1,700.000		250	ug/Kg
P2846-03	HR-04-061124	Solid	Dibenzo(a,h)anthracene		300.000	J	250	ug/Kg
P2846-03	HR-04-061124	Solid	Fluoranthene		3,900.000		260	ug/Kg
P2846-03	HR-04-061124	Solid	Fluorene		290.000	J	270	ug/Kg
P2846-03	HR-04-061124	Solid	Indeno(1,2,3-cd)pyrene		1,000.000		240	ug/Kg
P2846-03	HR-04-061124	Solid	Phenanthrene		2,500.000		260	ug/Kg
P2846-03	HR-04-061124	Solid	Pyrene		3,000.000		260	ug/Kg
Total Svoc :								

21,070.00



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

Hit Summary Sheet
SW-846

SDG No.: BP061224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				162,570.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 : _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.620	0.638	0.626	0.607	0.616	2.6
Pyridine		1.188	1.265	1.330	1.291	1.266	1.269	3.6
2-Fluorophenol		1.090	1.121	1.167	1.131	1.104	1.117	2.7
Benzaldehyde		1.159	1.123	1.066	0.890	0.814	1.010	14.9
Aniline		1.547	1.568	1.680	1.633	1.585	1.596	3.7
Phenol-d6		1.561	1.575	1.656	1.600	1.551	1.575	3.2
Phenol		1.604	1.600	1.701	1.638	1.584	1.614	3.1
bis(2-Chloroethyl)ether		1.362	1.367	1.409	1.347	1.270	1.331	4.5
2-Chlorophenol		1.251	1.246	1.313	1.269	1.224	1.252	3.0
1,2-Dichlorobenzene		1.540	1.497	1.518	1.455	1.385	1.447	5.3
1,3-Dichlorobenzene		1.533	1.526	1.546	1.473	1.425	1.475	4.3
1,4-Dichlorobenzene		1.568	1.534	1.578	1.504	1.433	1.499	4.4
Benzyl Alcohol		1.116	1.128	1.225	1.197	1.156	1.164	3.8
2-Methylphenol		1.061	1.091	1.171	1.122	1.073	1.095	4.0
2,2-oxybis(1-Chloropropane)		2.111	2.109	2.141	1.991	1.862	1.987	7.2
Acetophenone		0.523	0.512	0.520	0.495	0.478	0.496	4.8
3+4-Methylphenols		1.398	1.442	1.589	1.535	1.476	1.489	4.5
n-Nitroso-di-n-propylamine	1.014	1.121	1.126	1.174	1.108	1.031	1.075	6.4
Nitrobenzene-d5		0.355	0.363	0.379	0.371	0.362	0.365	2.6
Hexachloroethane		0.563	0.553	0.575	0.552	0.534	0.548	3.5
Nitrobenzene		0.375	0.368	0.390	0.372	0.363	0.371	2.9
Isophorone		0.702	0.710	0.744	0.716	0.698	0.710	2.9
2-Nitrophenol		0.084	0.098	0.122	0.139	0.144	0.128	21.4
2,4-Dimethylphenol		0.209	0.214	0.223	0.220	0.213	0.214	2.9
bis(2-Chloroethoxy)methane		0.456	0.442	0.460	0.435	0.423	0.436	4.3
2,4-Dichlorophenol		0.259	0.276	0.299	0.295	0.292	0.288	5.2
1,2,4-Trichlorobenzene		0.350	0.345	0.353	0.340	0.330	0.342	2.8
Benzoic acid			0.120	0.153	0.183	0.193	0.181	21.7
Naphthalene		1.077	1.048	1.070	1.013	0.986	1.022	4.4
4-Chloroaniline		0.395	0.397	0.414	0.398	0.385	0.396	3.0
Hexachlorobutadiene		0.218	0.220	0.218	0.213	0.209	0.215	1.9
Caprolactam		0.091	0.104	0.109	0.109	0.108	0.105	6.6
4-Chloro-3-methylphenol		0.306	0.322	0.347	0.341	0.336	0.337	6.4
2-Methylnaphthalene		0.752	0.738	0.754	0.723	0.693	0.733	5.8
Hexachlorocyclopentadiene		0.176	0.181	0.204	0.210	0.209	0.203	9.5
2,4,6-Trichlorophenol		0.283	0.311	0.365	0.364	0.366	0.350	10.9

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.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.455	1.393	1.455	1.312	1.270	1.342	7.3
2,4,5-Trichlorophenol		0.351	0.375	0.418	0.420	0.411	0.404	7.4
1,1-Biphenyl		1.505	1.437	1.486	1.414	1.355	1.411	5.2
2-Chloronaphthalene		1.179	1.134	1.205	1.122	1.075	1.122	5.3
2-Nitroaniline		0.242	0.274	0.322	0.322	0.327	0.304	10.8
Dimethylphthalate		1.466	1.430	1.495	1.393	1.388	1.410	4.4
Acenaphthylene		1.722	1.670	1.779	1.647	1.627	1.665	4.2
2,6-Dinitrotoluene		0.253	0.285	0.319	0.312	0.309	0.301	8.1
3-Nitroaniline		0.257	0.290	0.321	0.314	0.315	0.302	7.5
Acenaphthene		1.112	1.068	1.116	1.026	1.027	1.050	4.8
2,4-Dinitrophenol			0.063	0.083	0.101	0.113	0.104	26.5
4-Nitrophenol		0.167	0.210	0.245	0.242	0.257	0.234	14.6
Dibenzofuran		1.781	1.709	1.779	1.643	1.590	1.664	6.0
2,4-Dinitrotoluene		0.296	0.351	0.416	0.416	0.425	0.396	13.3
Diethylphthalate		1.488	1.479	1.559	1.424	1.424	1.433	6.1
4-Chlorophenyl-phenylether		0.739	0.719	0.718	0.673	0.652	0.689	7.8
Fluorene		1.455	1.413	1.441	1.299	1.268	1.336	8.4
4-Nitroaniline		0.265	0.300	0.334	0.311	0.329	0.311	9.0
4,6-Dinitro-2-methylphenol			0.049	0.064	0.078	0.085	0.078	23.8
n-Nitrosodiphenylamine		0.573	0.574	0.576	0.541	0.526	0.550	5.0
Azobenzene		1.456	1.426	1.449	1.321	1.275	1.338	8.2
2,4,6-Tribromophenol		0.177	0.195	0.214	0.220	0.227	0.208	8.8
4-Bromophenyl-phenylether		0.203	0.206	0.204	0.202	0.197	0.205	2.3
Hexachlorobenzene		0.241	0.238	0.243	0.236	0.234	0.241	2.4
Atrazine		0.192	0.204	0.201	0.193	0.187	0.193	3.7
Pentachlorophenol			0.120	0.136	0.146	0.150	0.146	11.3
Phenanthrene		1.053	1.037	1.020	0.967	0.938	0.983	5.7
Anthracene		1.021	1.014	1.006	0.962	0.922	0.965	6.0
Carbazole		0.973	0.986	0.984	0.920	0.918	0.933	6.2
Di-n-butylphthalate		1.090	1.184	1.209	1.169	1.148	1.130	7.7
Fluoranthene		1.245	1.249	1.260	1.152	1.151	1.163	10.5
Benzidine			0.400	0.476	0.729	0.731	0.610	26.1
Pyrene		1.484	1.451	1.490	1.561	1.474	1.504	2.7
Terphenyl-d14		1.238	1.205	1.218	1.277	1.170	1.201	5.0
Butylbenzylphthalate		0.394	0.462	0.549	0.602	0.602	0.549	16.0
3,3-Dichlorobenzidine		0.314	0.360	0.411	0.416	0.435	0.391	11.1

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.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 : _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.348	1.340	1.367	1.316	1.290	1.317	3.1
Chrysene		1.297	1.256	1.291	1.248	1.192	1.241	3.7
Bis(2-ethylhexyl)phthalate		0.684	0.790	0.884	0.927	0.883	0.856	10.4
Di-n-octyl phthalate			1.005	1.274	1.264	1.267	1.244	9.8
Benzo(b)fluoranthene		1.202	1.271	1.327	1.261	1.216	1.246	4.3
Benzo(k)fluoranthene		1.194	1.218	1.274	1.217	1.203	1.215	2.8
Benzo(a)pyrene		0.939	1.003	1.075	1.056	1.040	1.032	4.6
Indeno(1,2,3-cd)pyrene		1.021	1.080	1.189	1.284	1.273	1.216	10.2
Dibenzo(a,h)anthracene		0.872	0.909	0.991	1.064	1.062	1.014	9.1
Benzo(g,h,i)perylene		0.869	0.904	0.982	1.068	1.059	1.014	9.6
1,2,4,5-Tetrachlorobenzene		0.576	0.573	0.601	0.575	0.563	0.579	3.7
1,4-Dioxane		0.471	0.464	0.466	0.444	0.433	0.451	4.4
2,3,4,6-Tetrachlorophenol		0.288	0.314	0.352	0.348	0.346	0.330	7.2
1-Methylnaphthalene		0.755	0.735	0.750	0.707	0.691	0.726	5.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP061224 SAS No.: BP061224 SDG NO.: BP061224

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

Lab File ID: BP020473.D Time Analyzed: 12:10

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	328112	7.769	1.4069e+00	10.53	932714	14.39
UPPER LIMIT	656224	8.269	2813800	11.034	1865428	14.892
LOWER LIMIT	164056	7.269	703450	10.034	466357	13.892
EPA SAMPLE NO.						
01 PB161426BL	264920	7.75	964187	10.53	562250	14.38
02 PB161426BS	251363	7.76	910468	10.52	525671	14.38
03 PB161385BL	283365	7.76	1.02275e	10.53	582189	14.38
04 PB161385BS	249045	7.76	877627	10.53	481648	14.39
05 PB161451BL	258205	7.75	944749	10.52	550187	14.38
06 PB161451BS	259316	7.75	910834	10.52	531200	14.37
07 TR-05-061024	251958	7.75	965953	10.51	606492	14.38
08 TR-05-061024MS	259743	7.75	1.02765e	10.52	633593	14.38
09 TR-05-061024MSD	253231	7.75	995696	10.52	639615	14.38
10 HR-03-061124	244631	7.76	945874	10.53	601250	14.38
11 HR-04-061124	256115	7.76	988347	10.53	610549	14.38

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP061224 SAS No.: BP061224 SDG NO.: BP061224

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

Lab File ID: BP020597.D Time Analyzed: 12:10

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	205756	7.757	794563	10.53	528137	14.38
UPPER LIMIT	411512	8.257	1589126	11.028	1056274	14.875
LOWER LIMIT	102878	7.257	397281.5	10.028	264068.5	13.875
EPA SAMPLE NO.						
01 PB161426BL	264920	7.75	964187	10.53	562250	14.38
02 PB161426BS	251363	7.76	910468	10.52	525671	14.38
03 PB161385BL	283365	7.76	1.02275e	10.53	582189	14.38
04 PB161385BS	249045	7.76	877627	10.53	481648	14.39
05 PB161451BL	258205	7.75	944749	10.52	550187	14.38
06 PB161451BS	259316	7.75	910834	10.52	531200	14.37
07 TR-05-061024	251958	7.75	965953	10.51	606492	14.38
08 TR-05-061024MS	259743	7.75	1.02765e	10.52	633593	14.38
09 TR-05-061024MSD	253231	7.75	995696	10.52	639615	14.38
10 HR-03-061124	244631	7.76	945874	10.53	601250	14.38
11 HR-04-061124	256115	7.76	988347	10.53	610549	14.38

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.: BP061224 SAS No.: BP061224 SDG NO.: BP061224

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

Lab File ID: BP020473.D Time Analyzed: 12:10

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.94333e+01	17.204	1.46513e+01	21.669	1.32054e+01	25.021
UPPER LIMIT	3886660	17.704	2930260	22.169	2641080	25.521
LOWER LIMIT	971665	16.704	732565	21.169	660270	24.521
EPA SAMPLE NO.						
01 PB161426BL	1.07325	17.18	1.01791e+01	21.65	1.27609e+01	25.00
02 PB161426BS	1.04292	17.19	1.0422e+01	21.64	1.17401e+01	24.99
03 PB161385BL	1.05685	17.19	963794	21.65	1.23966e+01	24.99
04 PB161385BS	1.00814	17.19	978433	21.64	1.15852e+01	24.99
05 PB161451BL	1.04301	17.18	992600	21.63	1.24716e+01	24.98
06 PB161451BS	1.10003	17.19	1.0727e+01	21.64	1.27373e+01	24.99
07 TR-05-061024	1.23357	17.18	1.11035e+01	21.64	1.28254e+01	25.00
08 TR-05-061024MS	1.27433	17.19	1.15939e+01	21.64	1.36196e+01	25.00
09 TR-05-061024MSD	1.32628	17.18	1.17909e+01	21.65	1.42084e+01	25.01
10 HR-03-061124	1.18669	17.19	1.10773e+01	21.65	1.33374e+01	25.02
11 HR-04-061124	1.21558	17.19	1.11406e+01	21.65	1.33722e+01	25.02

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 LOWER 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.: BP061224 SAS No.: BP061224 SDG NO.: BP061224

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

Lab File ID: BP020597.D Time Analyzed: 12:10

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.15895e+01	17.186	1.14373e+	21.639	1.38605e+01	24.992
UPPER LIMIT	2317900	17.686	2287460	22.139	2772100	25.492
LOWER LIMIT	579475	16.686	571865	21.139	693025	24.492
EPA SAMPLE NO.						
01 PB161426BL	1.07325	17.18	1.01791e+	21.65	1.27609e+	25.00
02 PB161426BS	1.04292	17.19	1.0422e+0	21.64	1.17401e+	24.99
03 PB161385BL	1.05685	17.19	963794	21.65	1.23966e+	24.99
04 PB161385BS	1.00814	17.19	978433	21.64	1.15852e+	24.99
05 PB161451BL	1.04301	17.18	992600	21.63	1.24716e+	24.98
06 PB161451BS	1.10003	17.19	1.0727e+0	21.64	1.27373e+	24.99
07 TR-05-061024	1.23357	17.18	1.11035e+	21.64	1.28254e+	25.00
08 TR-05-061024MS	1.27433	17.19	1.15939e+	21.64	1.36196e+	25.00
09 TR-05-061024MSD	1.32628	17.18	1.17909e+	21.65	1.42084e+	25.01
10 HR-03-061124	1.18669	17.19	1.10773e+	21.65	1.33374e+	25.02
11 HR-04-061124	1.21558	17.19	1.11406e+	21.65	1.33722e+	25.02

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.: **BP061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161385BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	880	ug/Kg	52				10	147	
	Aniline	1700	680	ug/Kg	40				38	100	
	Phenol	1700	1200	ug/Kg	71				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76				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	1200	ug/Kg	71				42	116	
	2-Methylphenol	1700	1200	ug/Kg	71				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1100	ug/Kg	65				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1100	ug/Kg	65				58	111	
	N-Nitroso-di-n-propylamine	1700	1000	ug/Kg	59		*		63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1200	ug/Kg	71				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119	
	bis(2-Chloroethoxy)methane	1700	1200	ug/Kg	71				53	105	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1300	ug/Kg	76				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	580	ug/Kg	34				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1200	ug/Kg	71				67	110	
	4-Chloro-3-methylphenol	1700	1200	ug/Kg	71				58	112	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				60	104	
	Hexachlorocyclopentadiene	3300	4500	ug/Kg	136		*		45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	23900	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161385BS	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	2900	ug/Kg	85				60	106	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1500	ug/Kg	88				67	113	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	410	ug/Kg	12				10	98	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1300	ug/Kg	76				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				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	1300	ug/Kg	76				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1100	ug/Kg	65		*		70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161426BS	n-Nitrosodimethylamine	50	34.9	ug/L	70				55	108	
	Pyridine	50	28.9	ug/L	58				29	97	
	Benzaldehyde	50	26.1	ug/L	52				15	121	
	Aniline	50	21.1	ug/L	42				10	130	
	Phenol	50	36.8	ug/L	74				66	118	
	bis(2-Chloroethyl)ether	50	35.8	ug/L	72				62	103	
	2-Chlorophenol	50	40	ug/L	80				70	117	
	1,2-Dichlorobenzene	50	38.5	ug/L	77				72	102	
	1,3-Dichlorobenzene	50	38.6	ug/L	77				71	103	
	1,4-Dichlorobenzene	50	38.6	ug/L	77				76	103	
	Benzyl Alcohol	50	36.1	ug/L	72				36	93	
	2-Methylphenol	50	35.8	ug/L	72				69	109	
	2,2-oxybis(1-Chloropropane)	50	32.8	ug/L	66				52	103	
	Acetophenone	50	39.7	ug/L	79				60	104	
	3+4-Methylphenols	50	35.1	ug/L	70				67	106	
	N-Nitroso-di-n-propylamine	50	32	ug/L	64				57	107	
	Hexachloroethane	50	38.9	ug/L	78				76	118	
	Nitrobenzene	50	38.6	ug/L	77				58	106	
	Isophorone	50	36.3	ug/L	73				61	102	
	2-Nitrophenol	50	47.8	ug/L	96				70	115	
	2,4-Dimethylphenol	50	40.9	ug/L	82				67	130	
	bis(2-Chloroethoxy)methane	50	36.9	ug/L	74				58	109	
	2,4-Dichlorophenol	50	41.5	ug/L	83				66	115	
	1,2,4-Trichlorobenzene	50	41.1	ug/L	82				41	115	
	Benzoic acid	50	41.6	ug/L	83				10	125	
	Naphthalene	50	39.4	ug/L	79				64	107	
	4-Chloroaniline	50	18.4	ug/L	37				10	85	
	Hexachlorobutadiene	50	42.1	ug/L	84				69	101	
	Caprolactam	50	34.7	ug/L	69				58	128	
	4-Chloro-3-methylphenol	50	37.1	ug/L	74				65	114	
	2-Methylnaphthalene	50	36.5	ug/L	73				64	107	
	Hexachlorocyclopentadiene	100	130	ug/L	130				36	160	
	2,4,6-Trichlorophenol	50	46.9	ug/L	94				61	110	
	2,4,5-Trichlorophenol	50	44.2	ug/L	88				70	106	
	1,1-Biphenyl	50	41.7	ug/L	83				72	98	
	2-Chloronaphthalene	50	41	ug/L	82				59	106	
	2-Nitroaniline	50	43.8	ug/L	88				58	107	
	Dimethylphthalate	50	39.9	ug/L	80				64	103	
	Acenaphthylene	50	44.1	ug/L	88				65	108	
	2,6-Dinitrotoluene	50	41.1	ug/L	82				64	110	
	3-Nitroaniline	50	32.1	ug/L	64				28	100	
	Acenaphthene	50	39.6	ug/L	79				59	113	
	Total PAH	800	706.1	ug/L	88				59	113	
	2,4-Dinitrophenol	100	96.1	ug/L	96				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161426BS	4-Nitrophenol	100	91.1	ug/L	91				68	116	
	Dibenzofuran	50	40.5	ug/L	81				65	106	
	2,4-Dinitrotoluene	50	43.5	ug/L	87				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	84.6	ug/L	85				60	115	
	Diethylphthalate	50	38.6	ug/L	77				63	105	
	4-Chlorophenyl-phenylether	50	39.9	ug/L	80				61	104	
	Fluorene	50	40.2	ug/L	80				64	107	
	4-Nitroaniline	50	38.6	ug/L	77				69	112	
	4,6-Dinitro-2-methylphenol	50	52.9	ug/L	106				62	132	
	N-Nitrosodiphenylamine	50	42.4	ug/L	85				61	109	
	Azobenzene	50	36.8	ug/L	74				59	106	
	4-Bromophenyl-phenylether	50	43.3	ug/L	87				73	103	
	Hexachlorobenzene	50	42.8	ug/L	86				73	106	
	Atrazine	50	44.6	ug/L	89				76	120	
	Pentachlorophenol	100	92.3	ug/L	92				47	114	
	Phenanthrene	50	43	ug/L	86				62	109	
	Anthracene	50	43	ug/L	86				65	110	
	Carbazole	50	42.2	ug/L	84				62	106	
	Di-n-butylphthalate	50	43.4	ug/L	87				64	106	
	Fluoranthene	50	44.7	ug/L	89				64	110	
	Benzidine	100	11.6	ug/L	12				10	94	
	Pyrene	50	35.8	ug/L	72				71	103	
	Butylbenzylphthalate	50	39	ug/L	78				61	105	
	3,3-Dichlorobenzidine	50	39.6	ug/L	79				43	108	
	Benzo(a)anthracene	50	41.6	ug/L	83				62	107	
	Chrysene	50	41.7	ug/L	83				61	108	
	bis(2-Ethylhexyl)phthalate	50	39.2	ug/L	78				59	110	
	Di-n-octyl phthalate	50	47.5	ug/L	95				67	126	
	Benzo(b)fluoranthene	50	41.5	ug/L	83				77	113	
	Benzo(k)fluoranthene	50	41.5	ug/L	83				64	113	
	Benzo(a)pyrene	50	46.8	ug/L	94				72	131	
	Indeno(1,2,3-cd)pyrene	50	55.1	ug/L	110		*		72	105	
	Dibenz(a,h)anthracene	50	54.9	ug/L	110				78	115	
	Benzo(g,h,i)perylene	50	53.2	ug/L	106				75	118	
	1,2,4,5-Tetrachlorobenzene	50	45.4	ug/L	91				72	101	
	1,4-Dioxane	50	33.4	ug/L	67				38	125	
	2,3,4,6-Tetrachlorophenol	50	46.9	ug/L	94				63	116	
	1-Methylnaphthalene	50	34.7	ug/L	69				51	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161451BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	910	ug/Kg	54				10	147	
	Aniline	1700	720	ug/Kg	42				38	100	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				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	1200	ug/Kg	71				42	116	
	2-Methylphenol	1700	1200	ug/Kg	71				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1100	ug/Kg	65				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1200	ug/Kg	71				58	111	
	N-Nitroso-di-n-propylamine	1700	1100	ug/Kg	65				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	630	ug/Kg	37				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1300	ug/Kg	76				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4500	ug/Kg	136		*		45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	24400	ug/Kg	90				57	104	
	2,4-Dinitrophenol	3300	3500	ug/Kg	106				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161451BS	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	2900	ug/Kg	85				60	106	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1500	ug/Kg	88				67	113	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	410	ug/Kg	12				10	98	
	Pyrene	1700	1300	ug/Kg	76				59	103	
	Butylbenzylphthalate	1700	1300	ug/Kg	76				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				63	111	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70	108	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161385BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP061224

SAS No.: BP061224 SDG NO.: BP061224

Lab File ID: BP020600.D

Lab Sample ID: PB161385BL

Instrument ID: BNA_P

Date Extracted: 06/07/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/12/2024

Level: (low/med) LOW

Time Analyzed: 13:36

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161385BS	PB161385BS	BP020601.D	06/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161426BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP061224

SAS No.: BP061224 SDG NO.: BP061224

Lab File ID: BP020598.D

Lab Sample ID: PB161426BL

Instrument ID: BNA_P

Date Extracted: 06/10/2024

Matrix: (soil/water) water

Date Analyzed: 06/12/2024

Level: (low/med) LOW

Time Analyzed: 12:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161426BS	PB161426BS	BP020599.D	06/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161451BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP061224

SAS No.: BP061224 SDG NO.: BP061224

Lab File ID: BP020602.D

Lab Sample ID: PB161451BL

Instrument ID: BNA_P

Date Extracted: 06/12/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/12/2024

Level: (low/med) LOW

Time Analyzed: 15:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161451BS	PB161451BS	BP020603.D	06/12/2024
TR-05-061024	P2812-01	BP020604.D	06/12/2024
TR-05-061024MS	P2812-01MS	BP020605.D	06/12/2024
TR-05-061024MSD	P2812-01MSD	BP020606.D	06/12/2024
HR-03-061124	P2846-01	BP020607.D	06/12/2024
HR-04-061124	P2846-03	BP020608.D	06/12/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2812-01MS		Client Sample ID: TR-05-061024MS		DataFile: BP020605.D							
n-Nitrosodimethylamine	1100		790	ug/Kg	72				66	124	
Pyridine	1100		710	ug/Kg	65				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		370	ug/Kg	34				10	88	
Phenol	1100		950	ug/Kg	86				67	126	
bis(2-Chloroethyl)ether	1100		880	ug/Kg	80				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		940	ug/Kg	85				61	105	
1,3-Dichlorobenzene	1100		930	ug/Kg	85				62	101	
1,4-Dichlorobenzene	1100		930	ug/Kg	85				63	104	
Benzyl Alcohol	1100		920	ug/Kg	84				47	126	
2-Methylphenol	1100		930	ug/Kg	85				66	122	
2,2-oxybis(1-Chloropropane)	1100		820	ug/Kg	75				52	115	
Acetophenone	1100		930	ug/Kg	85				75	111	
3+4-Methylphenols	1100		940	ug/Kg	85				53	132	
N-Nitroso-di-n-propylamine	1100		850	ug/Kg	77				59	119	
Hexachloroethane	1100		940	ug/Kg	85				65	117	
Nitrobenzene	1100		880	ug/Kg	80				70	119	
Isophorone	1100		880	ug/Kg	80				76	122	
2-Nitrophenol	1100		1200	ug/Kg	109				54	145	
2,4-Dimethylphenol	1100		1000	ug/Kg	91				83	144	
bis(2-Chloroethoxy)methane	1100		900	ug/Kg	82				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		980	ug/Kg	89				57	103	
Benzoic acid	1100		1100	ug/Kg	100				50	104	
Naphthalene	1100		960	ug/Kg	87				72	110	
4-Chloroaniline	1100		410	ug/Kg	37				10	100	
Hexachlorobutadiene	1100		990	ug/Kg	90				66	114	
Caprolactam	1100		880	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	1100		950	ug/Kg	86				57	132	
2-Methylnaphthalene	1100		920	ug/Kg	84				59	123	
Hexachlorocyclopentadiene	2200		710	ug/Kg	32				10	175	
2,4,6-Trichlorophenol	1100		1200	ug/Kg	109				72	117	
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		990	ug/Kg	90				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		960	ug/Kg	87				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		990	ug/Kg	90				70	125	
3-Nitroaniline	1100		680	ug/Kg	62				20	111	
Acenaphthene	1100		970	ug/Kg	88				70	121	
Total PAH	17600	0	16960	ug/Kg	96				70	121	
2,4-Dinitrophenol	2200		1100	ug/Kg	50				16	160	
4-Nitrophenol	2200		2100	ug/Kg	95				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1990	ug/Kg	90				55	128	
Diethylphthalate	1100		950	ug/Kg	86				70	112	
4-Chlorophenyl-phenylether	1100		990	ug/Kg	90				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		910	ug/Kg	83				55	120	
4,6-Dinitro-2-methylphenol	1100		790	ug/Kg	72				32	145	
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100				73	118	
Azobenzene	1100		920	ug/Kg	84				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		990	ug/Kg	90				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2200		2100	ug/Kg	95				47	128	
Phenanthrene	1100	160	1100	ug/Kg	85				72	113	
Anthracene	1100		1100	ug/Kg	100				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100	240	1200	ug/Kg	87				59	125	
Benzidine	2200		660	ug/Kg	30				10	119	
Pyrene	1100	200	1000	ug/Kg	73				52	128	
Butylbenzylphthalate	1100		980	ug/Kg	89				64	126	
3,3-Dichlorobenzidine	1100		930	ug/Kg	85				10	164	
Benzo(a)anthracene	1100	120	1100	ug/Kg	89				71	114	
Chrysene	1100	140	1100	ug/Kg	87				57	121	
bis(2-Ethylhexyl)phthalate	1100		970	ug/Kg	88				66	127	
Di-n-octyl phthalate	1100		1100	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1100	150	990	ug/Kg	76				67	121	
Benzo(k)fluoranthene	1100		940	ug/Kg	85				74	114	
Benzo(a)pyrene	1100	130	1100	ug/Kg	88				70	142	
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100				61	125	
Dibenz(a,h)anthracene	1100		1100	ug/Kg	100				67	130	
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100				69	124	
1,4-Dioxane	1100		770	ug/Kg	70				46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				56	133	
1-Methylnaphthalene	1100		880	ug/Kg	80				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2812-01MSD	Client Sample ID:	TR-05-061024MSD					DataFile:	BP020606.D		
n-Nitrosodimethylamine	1100		760	ug/Kg	69		4		66	124	20
Pyridine	1100		690	ug/Kg	63		3		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		400	ug/Kg	36		6		10	88	20
Phenol	1100		930	ug/Kg	85		1		67	126	20
bis(2-Chloroethyl)ether	1100		860	ug/Kg	78		3		74	116	20
2-Chlorophenol	1100		980	ug/Kg	89		2		61	138	20
1,2-Dichlorobenzene	1100		920	ug/Kg	84		1		61	105	20
1,3-Dichlorobenzene	1100		910	ug/Kg	83		2		62	101	20
1,4-Dichlorobenzene	1100		910	ug/Kg	83		2		63	104	20
Benzyl Alcohol	1100		900	ug/Kg	82		2		47	126	20
2-Methylphenol	1100		930	ug/Kg	85		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100		800	ug/Kg	73		3		52	115	20
Acetophenone	1100		910	ug/Kg	83		2		75	111	20
3+4-Methylphenols	1100		900	ug/Kg	82		4		53	132	20
N-Nitroso-di-n-propylamine	1100		820	ug/Kg	75		3		59	119	20
Hexachloroethane	1100		900	ug/Kg	82		4		65	117	20
Nitrobenzene	1100		900	ug/Kg	82		2		70	119	20
Isophorone	1100		870	ug/Kg	79		1		76	122	20
2-Nitrophenol	1100		1200	ug/Kg	109		0		54	145	20
2,4-Dimethylphenol	1100		1000	ug/Kg	91		0		83	144	20
bis(2-Chloroethoxy)methane	1100		880	ug/Kg	80		2		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		0		72	118	20
1,2,4-Trichlorobenzene	1100		980	ug/Kg	89		0		57	103	20
Benzoic acid	1100		1100	ug/Kg	100		0		50	104	20
Naphthalene	1100		950	ug/Kg	86		1		72	110	20
4-Chloroaniline	1100		450	ug/Kg	41		10		10	100	20
Hexachlorobutadiene	1100		980	ug/Kg	89		1		66	114	20
Caprolactam	1100		910	ug/Kg	83		4		51	134	20
4-Chloro-3-methylphenol	1100		960	ug/Kg	87		1		57	132	20
2-Methylnaphthalene	1100		930	ug/Kg	85		1		59	123	20
Hexachlorocyclopentadiene	2200		660	ug/Kg	30		6		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		9		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		9		72	117	20
1,1-Biphenyl	1100		970	ug/Kg	88		3		75	113	20
2-Chloronaphthalene	1100		960	ug/Kg	87		3		67	118	20
2-Nitroaniline	1100		1000	ug/Kg	91		9		69	127	20
Dimethylphthalate	1100		930	ug/Kg	85		2		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		9		79	118	20
2,6-Dinitrotoluene	1100		950	ug/Kg	86		5		70	125	20
3-Nitroaniline	1100		700	ug/Kg	64		3		20	111	20
Acenaphthene	1100		950	ug/Kg	86		2		70	121	20
Total PAH	17600	0	16790	ug/Kg	95		1		70	121	20
2,4-Dinitrophenol	2200		1000	ug/Kg	45		11		16	160	20
4-Nitrophenol	2200		2100	ug/Kg	95		0		45	133	20
Dibenzofuran	1100		990	ug/Kg	90		1		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1000	ug/Kg	91		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1950	ug/Kg	89		1		55	128	20
Diethylphthalate	1100		930	ug/Kg	85		1		70	112	20
4-Chlorophenyl-phenylether	1100		960	ug/Kg	87		3		71	108	20
Fluorene	1100		990	ug/Kg	90		1		68	116	20
4-Nitroaniline	1100		910	ug/Kg	83		0		55	120	20
4,6-Dinitro-2-methylphenol	1100		700	ug/Kg	64		12		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		9		73	118	20
Azobenzene	1100		910	ug/Kg	83		1		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		9		65	121	20
Hexachlorobenzene	1100		970	ug/Kg	88		2		67	118	20
Atrazine	1100		1100	ug/Kg	100		0		79	127	20
Pentachlorophenol	2200		2000	ug/Kg	91		4		47	128	20
Phenanthrene	1100	160	1100	ug/Kg	85		0		72	113	20
Anthracene	1100		1100	ug/Kg	100		0		62	124	20
Carbazole	1100		1000	ug/Kg	91		0		59	119	20
Di-n-butylphthalate	1100		990	ug/Kg	90		1		69	118	20
Fluoranthene	1100	240	1200	ug/Kg	87		0		59	125	20
Benzidine	2200		730	ug/Kg	33		10		10	119	20
Pyrene	1100	200	1000	ug/Kg	73		0		52	128	20
Butylbenzylphthalate	1100		980	ug/Kg	89		0		64	126	20
3,3-Dichlorobenzidine	1100		1000	ug/Kg	91		7		10	164	20
Benzo(a)anthracene	1100	120	1100	ug/Kg	89		0		71	114	20
Chrysene	1100	140	1100	ug/Kg	87		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		940	ug/Kg	85		3		66	127	20
Di-n-octyl phthalate	1100		1100	ug/Kg	100		0		71	126	20
Benzo(b)fluoranthene	1100	150	950	ug/Kg	73		4		67	121	20
Benzo(k)fluoranthene	1100		950	ug/Kg	86		1		74	114	20
Benzo(a)pyrene	1100	130	1100	ug/Kg	88		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100		0		61	125	20
Dibenz(a,h)anthracene	1100		1100	ug/Kg	100		0		67	130	20
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		9		69	124	20
1,4-Dioxane	1100		750	ug/Kg	68		3		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		0		56	133	20
1-Methylnaphthalene	1100		860	ug/Kg	78		3		70	130	20



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

Surrogate Summary

SW-846

SDG No.: BP061224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161385BL	PB161385BL	BP020600.D	2-Fluorophenol	150	123.49	82		18	112
			Phenol-d6	150	105.91	71		15	107
			Nitrobenzene-d5	100	80.27	80		18	107
			2-Fluorobiphenyl	100	82.62	83		20	109
			2,4,6-Tribromophenol	150	130.58	87		10	110
			Terphenyl-d14	100	72.54	73		14	112
PB161385BS	PB161385BS	BP020601.D	2-Fluorophenol	150	119.88	80		18	112
			Phenol-d6	150	100.26	67		15	107
			Nitrobenzene-d5	100	77.98	78		18	107
			2-Fluorobiphenyl	100	81.38	81		20	109
			2,4,6-Tribromophenol	150	150.75	100		10	110
			Terphenyl-d14	100	72.52	73		14	112



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Surrogate Summary

SW-846

SDG No.: BP061224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161426BL	PB161426BL	BP020598.D	2-Fluorophenol	150	123.73	82		10	139
			Phenol-d6	150	107.08	71		10	134
			Nitrobenzene-d5	100	79.75	80		49	133
			2-Fluorobiphenyl	100	80.82	81		52	132
			2,4,6-Tribromophenol	150	134.27	90		32	145
			Terphenyl-d14	100	73.23	73		36	145
PB161426BS	PB161426BS	BP020599.D	2-Fluorophenol	150	120.62	80		10	139
			Phenol-d6	150	103.23	69		10	134
			Nitrobenzene-d5	100	76.92	77		49	133
			2-Fluorobiphenyl	100	80.27	80		52	132
			2,4,6-Tribromophenol	150	146.02	97		32	145
			Terphenyl-d14	100	71.41	71		36	145

Surrogate Summary

SW-846

SDG No.: **BP061224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2812-01	TR-05-061024	BP020604.D	2-Fluorophenol	150	125.04	83		18	112
			Phenol-d6	150	114.05	76		15	107
			Nitrobenzene-d5	100	79.58	80		18	107
			2-Fluorobiphenyl	100	81.72	82		20	109
			2,4,6-Tribromophenol	150	149.14	99		10	110
			Terphenyl-d14	100	74.31	74		14	112
P2812-01MS	TR-05-061024MS	BP020605.D	2-Fluorophenol	150	111.90	75		18	112
			Phenol-d6	150	102.99	69		15	107
			Nitrobenzene-d5	100	68.86	69		18	107
			2-Fluorobiphenyl	100	72.14	72		20	109
			2,4,6-Tribromophenol	150	133.31	89		10	110
			Terphenyl-d14	100	64.54	65		14	112
P2812-01MSD	TR-05-061024MSD	BP020606.D	2-Fluorophenol	150	108.41	72		18	112
			Phenol-d6	150	98.79	66		15	107
			Nitrobenzene-d5	100	68.72	69		18	107
			2-Fluorobiphenyl	100	69.86	70		20	109
			2,4,6-Tribromophenol	150	135.73	90		10	110
			Terphenyl-d14	100	65.26	65		14	112
P2846-01	HR-03-061124	BP020607.D	2-Fluorophenol	150	99.31	66		18	112
			Phenol-d6	150	87.70	58		15	107
			Nitrobenzene-d5	100	60.83	61		18	107
			2-Fluorobiphenyl	100	64.73	65		20	109
			2,4,6-Tribromophenol	150	118.99	79		10	110
			Terphenyl-d14	100	61.52	62		14	112
P2846-03	HR-04-061124	BP020608.D	2-Fluorophenol	150	75.45	50		18	112
			Phenol-d6	150	66.73	44		15	107
			Nitrobenzene-d5	100	47.73	48		18	107
			2-Fluorobiphenyl	100	52.16	52		20	109
			2,4,6-Tribromophenol	150	90.09	60		10	110
			Terphenyl-d14	100	47.35	47		14	112
PB161451BL	PB161451BL	BP020602.D	2-Fluorophenol	150	124.40	83		18	112
			Phenol-d6	150	106.74	71		15	107
			Nitrobenzene-d5	100	79.06	79		18	107
			2-Fluorobiphenyl	100	81.32	81		20	109
			2,4,6-Tribromophenol	150	134.22	89		10	110
			Terphenyl-d14	100	71.25	71		14	112
PB161451BS	PB161451BS	BP020603.D	2-Fluorophenol	150	125.12	83		18	112
			Phenol-d6	150	106.36	71		15	107
			Nitrobenzene-d5	100	81.52	82		18	107
			2-Fluorobiphenyl	100	81.23	81		20	109
			2,4,6-Tribromophenol	150	155.06	103		10	110
			Terphenyl-d14	100	73.82	74		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP061224

Lab Code: CHEM

SAS No.: BP061224 SDG NO.: BP061224

Lab File ID: BP020596.D

DFTPP Injection Date: 06/12/2024

Instrument ID: BNA_P

DFTPP Injection Time: 10:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.8
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BP020597.D	06/12/2024	11:27
PB161426BL	PB161426BL	BP020598.D	06/12/2024	12:10
PB161426BS	PB161426BS	BP020599.D	06/12/2024	12:53
PB161385BL	PB161385BL	BP020600.D	06/12/2024	13:36
PB161385BS	PB161385BS	BP020601.D	06/12/2024	14:18
PB161451BL	PB161451BL	BP020602.D	06/12/2024	15:01
PB161451BS	PB161451BS	BP020603.D	06/12/2024	16:40
TR-05-061024	P2812-01	BP020604.D	06/12/2024	17:29
TR-05-061024MS	P2812-01MS	BP020605.D	06/12/2024	18:13
TR-05-061024MSD	P2812-01MSD	BP020606.D	06/12/2024	18:57
HR-03-061124	P2846-01	BP020607.D	06/12/2024	19:40
HR-04-061124	P2846-03	BP020608.D	06/12/2024	20:24