

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG041024 SAS No.: BG041024 SDG No.: BG041024

Instrument ID: BNA_G Calibration Date/Time: 4/10/2024 1:09:36

Lab File ID: BG060846.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	0.887	0.895		0.902	
Pyridine	1.485	1.407		-5.253	
2-Fluorophenol	1.201	1.137		-5.329	
Benzaldehyde	0.983	0.881		-10.376	
Aniline	2.250	1.969		-12.489	
Phenol-d6	1.782	1.643		-7.8	
Phenol	1.819	1.658		-8.851	20.0
bis(2-Chloroethyl) ether	1.468	1.273		-13.283	
2-Chlorophenol	1.361	1.252		-8.009	
1,2-Dichlorobenzene	1.415	1.311		-7.35	
1,3-Dichlorobenzene	1.415	1.336		-5.583	
1,4-Dichlorobenzene	1.444	1.356		-6.094	20.0
Benzyl Alcohol	1.444	1.289		-10.734	
2-Methylphenol	1.373	1.215		-11.508	
2,2-oxybis(1-Chloropropane)	3.314	2.915		-12.04	
Acetophenone	0.551	0.530		-3.811	
3+4-Methylphenols	1.880	1.587		-15.585	
n-Nitroso-di-n-propylamine	1.359	1.109	0.050	-18.396	
Nitrobenzene-d5	0.350	0.399		14.0	
Hexachloroethane	0.513	0.473		-7.797	
Nitrobenzene	0.352	0.401		13.92	
Isophorone	0.807	0.743		-7.931	
2-Nitrophenol	0.120	0.160		33.333	20.0
2,4-Dimethylphenol	0.324	0.307		-5.247	
bis(2-Chloroethoxy) methane	0.477	0.448		-6.08	
2,4-Dichlorophenol	0.298	0.320		7.383	20.0
1,2,4-Trichlorobenzene	0.337	0.352		4.451	
Benzoic acid	0.191	0.214		12.042	
Naphthalene	1.082	1.035		-4.344	
4-Chloroaniline	0.503	0.468		-6.958	
Hexachlorobutadiene	0.225	0.254		12.889	20.0
Caprolactam	0.118	0.105		-11.017	
4-Chloro-3-methylphenol	0.380	0.376		-1.053	20.0
2-Methylnaphthalene	0.795	0.771		-3.019	
Hexachlorocyclopentadiene	0.292	0.330	0.050	13.014	
2,4,6-Trichlorophenol	0.370	0.419		13.243	20.0
2-Fluorobiphenyl	1.363	1.372		0.66	
2,4,5-Trichlorophenol	0.442	0.495		11.991	
1,1-Biphenyl	1.413	1.371		-2.972	

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Lab File ID: BG060846.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	1.073	1.050		-2.144	
2-Nitroaniline	0.307	0.391		27.362	
Dimethylphthalate	1.581	1.488		-5.882	
Acenaphthylene	1.803	1.735		-3.771	
2,6-Dinitrotoluene	0.247	0.307		24.291	
3-Nitroaniline	0.277	0.322		16.245	
Acenaphthene	1.132	1.119		-1.148	20.0
2,4-Dinitrophenol	0.110	0.149	0.050	35.455	
4-Nitrophenol	0.231	0.258	0.050	11.688	
Dibenzofuran	1.786	1.701		-4.759	
2,4-Dinitrotoluene	0.320	0.417		30.312	
Diethylphthalate	1.590	1.441		-9.371	
4-Chlorophenyl-phenylether	0.758	0.747		-1.451	
Fluorene	1.433	1.373		-4.187	
4-Nitroaniline	0.289	0.346		19.723	
4,6-Dinitro-2-methylphenol	0.073	0.098		34.247	
n-Nitrosodiphenylamine	0.572	0.548		-4.196	20.0
Azobenzene	1.550	1.380		-10.968	
2,4,6-Tribromophenol	0.227	0.286		25.991	
4-Bromophenyl-phenylether	0.203	0.220		8.374	
Hexachlorobenzene	0.229	0.236		3.057	
Atrazine	0.200	0.201		0.5	
Pentachlorophenol	0.150	0.169		12.667	20.0
Phenanthrene	1.040	0.994		-4.423	
Anthracene	1.056	1.029		-2.557	
Carbazole	0.931	0.895		-3.867	
Di-n-butylphthalate	1.161	1.058		-8.872	
Fluoranthene	1.262	1.256		-0.475	20.0
Benzidine	0.527	0.458		-13.093	
Pyrene	1.399	1.316		-5.933	
Terphenyl-d14	1.136	1.069		-5.898	
Butylbenzylphthalate	0.510	0.484		-5.098	
3,3-Dichlorobenzidine	0.476	0.480		0.84	
Benzo(a)anthracene	1.410	1.361		-3.475	
Chrysene	1.359	1.320		-2.87	
Bis(2-ethylhexyl)phthalate	0.813	0.717		-11.808	
Di-n-octyl phthalate	1.325	1.224		-7.623	20.0
Benzo(b)fluoranthene	1.149	1.089		-5.222	
Benzo(k)fluoranthene	1.176	1.141		-2.976	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG041024 SAS No.: BG041024 SDG No.: BG041024

Instrument ID: BNA_G Calibration Date/Time: 4/10/2024 1:09:36

Lab File ID: BG060846.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	1.117	1.081		-3.223	20.0
Indeno(1,2,3-cd)pyrene	1.408	1.351		-4.048	
Dibenzo(a,h)anthracene	1.187	1.134		-4.465	
Benzo(g,h,i)perylene	1.155	1.100		-4.762	
1,2,4,5-Tetrachlorobenzene	0.575	0.619		7.652	
1,4-Dioxane	0.492	0.477		-3.049	20.0
2,3,4,6-Tetrachlorophenol	0.385	0.430		11.688	
1-Methylnaphthalene	0.751	0.729		-2.929	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160005BL	SDG No.:	BG041024
Lab Sample ID:	PB160005BL	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
BG060847.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160005

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:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160005BL	SDG No.:	BG041024
Lab Sample ID:	PB160005BL	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
BG060847.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160005

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:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160005BL	SDG No.:	BG041024
Lab Sample ID:	PB160005BL	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
BG060847.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160005

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	123.051		10-139		82	SPK: -150
13127-88-3	Phenol-d6	117.586		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	99.126		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	84.747		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160005BL	SDG No.:	BG041024
Lab Sample ID:	PB160005BL	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
BG060847.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	176.599		32-145		118	SPK: -150
1718-51-0	Terphenyl-d14	75.684		36-145		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69335	7.947				
1146-65-2	Naphthalene-d8	260459	10.744				
15067-26-2	Acenaphthene-d10	201021	14.574				
1517-22-2	Phenanthrene-d10	571063	17.324				
1719-03-5	Chrysene-d12	582400	21.578				
1520-96-3	Perylene-d12	670741	24.71				

Report of Analysis

Client:		Date Collected:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160000BL	SDG No.:	BG041024
Lab Sample ID:	PB160000BL	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
BG060848.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160000

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



Client:				Date Collected:	4/4/2024 12:00:00 AM	
Project:				Date Received:	4/4/2024 12:00:00 AM	
Client Sample ID:	PB160000BL			SDG No.:	BG041024	
Lab Sample ID:	PB160000BL			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
BG060848.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160000

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

Report of Analysis

Client:		Date Collected:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160000BL	SDG No.:	BG041024
Lab Sample ID:	PB160000BL	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
BG060848.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160000

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	129.006		18-112		86	SPK: -150
13127-88-3	Phenol-d6	113.135		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	97.7		18-107		98	SPK: -100
321-60-8	2-Fluorobiphenyl	81.65		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160000BL	SDG No.:	BG041024
Lab Sample ID:	PB160000BL	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
BG060848.D	1	4/4/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160000

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	174.207	*	10-110		116	SPK: -150
1718-51-0	Terphenyl-d14	75.374		14-112		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72862	7.942				
1146-65-2	Naphthalene-d8	275983	10.739				
15067-26-2	Acenaphthene-d10	216493	14.576				
1517-22-2	Phenanthrene-d10	598826	17.319				
1719-03-5	Chrysene-d12	596368	21.585				
1520-96-3	Perylene-d12	679698	24.711				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.063	
000593-45-3	Octadecane	67	J			23.107	
007098-22-8	Tetratetracontane	100	J			23.906	
000629-99-2	Pentacosane	140	J			24.846	
000630-04-6	Hentriacontane	160	J			25.956	
000630-02-4	Octacosane	160	J			27.302	
000112-95-8	Eicosane	110	J			28.918	

Report of Analysis

Client:		Date Collected:	4/7/2024 12:00:00 AM
Project:		Date Received:	4/7/2024 12:00:00 AM
Client Sample ID:	PB160074BS	SDG No.:	BG041024
Lab Sample ID:	PB160074BS	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
BG060849.D	1	4/7/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38.4		1	8	10	ug/L
110-86-1	Pyridine	29		1.6	4	5	ug/L
100-52-7	Benzaldehyde	10.2		4	8	10	ug/L
62-53-3	Aniline	23.2		1.6	4	5	ug/L
108-95-2	Phenol	45.3		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	44.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43.4		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.1		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	43.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	42		1.6	8	10	ug/L
95-48-7	2-Methylphenol	41.3		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.4		1.4	4	5	ug/L
98-86-2	Acetophenone	42.9		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	43.8		1	4	5	ug/L
98-95-3	Nitrobenzene	45.8		1.3	4	5	ug/L
78-59-1	Isophorone	40.5		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	54.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	36.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.3		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	51.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	49		5.5	8	10	ug/L
91-20-3	Naphthalene	42.1		1	4	5	ug/L
106-47-8	4-Chloroaniline	14.8		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/7/2024 12:00:00 AM
Project:		Date Received:	4/7/2024 12:00:00 AM
Client Sample ID:	PB160074BS	SDG No.:	BG041024
Lab Sample ID:	PB160074BS	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
BG060849.D	1	4/7/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	100	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.6		1	4	5	ug/L
92-52-4	1,1-Biphenyl	42.5		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	50.7		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	41.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	44.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	48.3		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29		1.4	4	5	ug/L
83-32-9	Acenaphthene	47.8		0.81	4	5	ug/L
Total PAH	Total PAH	705.4		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	150	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	41.6		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	402		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	53.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	41.1		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.8		0.98	4	5	ug/L
86-73-7	Fluorene	42.9		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	49.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	58.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43		0.89	4	5	ug/L
103-33-3	Azobenzene	39.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.8		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	49		1.1	4	5	ug/L
1912-24-9	Atrazine	47.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/7/2024 12:00:00 AM
Project:		Date Received:	4/7/2024 12:00:00 AM
Client Sample ID:	PB160074BS	SDG No.:	BG041024
Lab Sample ID:	PB160074BS	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
BG060849.D	1	4/7/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	99.3	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	42.9		0.89	4	5	ug/L
120-12-7	Anthracene	42.9		1.1	4	5	ug/L
86-74-8	Carbazole	42.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	40		1.5	4	5	ug/L
206-44-0	Fluoranthene	42.9		1.3	4	5	ug/L
92-87-5	Benzidine	27.4		4.1	8	10	ug/L
129-00-0	Pyrene	42.7		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	42.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	43.8		0.94	4	5	ug/L
218-01-9	Chrysene	43.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	41.1		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.4		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.5		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.1		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	30.1		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.4		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.259		10-139		88	SPK: -150
13127-88-3	Phenol-d6	125.613		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	99.905		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	82.174		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	4/7/2024 12:00:00 AM
Project:		Date Received:	4/7/2024 12:00:00 AM
Client Sample ID:	PB160074BS	SDG No.:	BG041024
Lab Sample ID:	PB160074BS	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
BG060849.D	1	4/7/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	167.528		32-145		112	SPK: -150
1718-51-0	Terphenyl-d14	82.055		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58076	7.942				
1146-65-2	Naphthalene-d8	239507	10.745				
15067-26-2	Acenaphthene-d10	194386	14.576				
1517-22-2	Phenanthrene-d10	460638	17.325				
1719-03-5	Chrysene-d12	432488	21.591				
1520-96-3	Perylene-d12	495602	24.717				

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	LAUREL-CONCRETE	SDG No.:	BG041024
Lab Sample ID:	P2027-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060850.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58	U	58	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.1	U	50.1	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.5	U	51.5	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.8	U	51.8	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.7	U	49.7	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.4	U	54.4	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.1	U	24.1	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	49.7	U	49.7	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.8	U	55.8	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.2	U	45.2	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.1	U	51.1	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	LAUREL-CONCRETE	SDG No.:	BG041024
Lab Sample ID:	P2027-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060850.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.4	U	46.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.4	U	49.4	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.4	U	93.4	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.3	U	44.3	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.3	U	52.3	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	48.9	U	48.9	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.8	U	51.8	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.8	U	49.8	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.4	U	53.4	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	793.6	U	793.6	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.5	U	50.5	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.4	U	101.4	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.6	U	51.6	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.2	U	51.2	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	50.9	U	50.9	77.9	100	ug/Kg
1912-24-9	Atrazine	54.7	U	54.7	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	LAUREL-CONCRETE	SDG No.:	BG041024
Lab Sample ID:	P2027-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060850.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.3	U	50.3	77.9	100	ug/Kg
120-12-7	Anthracene	50.5	U	50.5	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	48.9	U	48.9	77.9	100	ug/Kg
92-87-5	Benzidine	97.6	U	97.6	160	200	ug/Kg
129-00-0	Pyrene	49.7	U	49.7	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.3	U	48.3	77.9	100	ug/Kg
218-01-9	Chrysene	47.6	U	47.6	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.5	U	54.5	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.7	U	55.7	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.6	U	48.6	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.7	U	44.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.8	U	49.8	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	62.394		18-112		42	SPK: -150
13127-88-3	Phenol-d6	59.78		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	54.647		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	48.353		20-109		48	SPK: -100

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	LAUREL-CONCRETE	SDG No.:	BG041024
Lab Sample ID:	P2027-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060850.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	69.7		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	49.422		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59463	7.947				
1146-65-2	Naphthalene-d8	229540	10.743				
15067-26-2	Acenaphthene-d10	173885	14.574				
1517-22-2	Phenanthrene-d10	408249	17.324				
1719-03-5	Chrysene-d12	417958	21.578				
1520-96-3	Perylene-d12	506107	24.709				

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	PIERS-1	SDG No.:	BG041024
Lab Sample ID:	P2028-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060851.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	78	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	PIERS-1	SDG No.:	BG041024
Lab Sample ID:	P2028-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060851.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	78	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
84-66-2	Diethylphthalate	48	U	48	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	78	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	PIERS-1	SDG No.:	BG041024
Lab Sample ID:	P2028-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060851.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	34.054		18-112		23	SPK: -150
13127-88-3	Phenol-d6	41.139		15-107		27	SPK: -150
4165-60-0	Nitrobenzene-d5	44.752		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	39.372		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	PIERS-1	SDG No.:	BG041024
Lab Sample ID:	P2028-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG060851.D	1	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	29.366		10-110		20	SPK: -150
1718-51-0	Terphenyl-d14	40.874		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54577	7.947				
1146-65-2	Naphthalene-d8	217916	10.744				
15067-26-2	Acenaphthene-d10	165544	14.575				
1517-22-2	Phenanthrene-d10	401000	17.324				
1719-03-5	Chrysene-d12	407374	21.578				
1520-96-3	Perylene-d12	479074	24.716				



Client:				Date Collected:	4/8/2024 12:00:00 AM	
Project:				Date Received:	4/8/2024 12:00:00 AM	
Client Sample ID:	SU-03-04082024			SDG No.:	BG041024	
Lab Sample ID:	P2022-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.8	
Sample Wt/Vol:	50.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060852.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	560	U	560	1700	2100	ug/Kg
110-86-1	Pyridine	510	U	510	840	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1700	2100	ug/Kg
62-53-3	Aniline	620	U	620	840	1100	ug/Kg
108-95-2	Phenol	530	U	530	840	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	540	U	540	840	1100	ug/Kg
95-57-8	2-Chlorophenol	540	U	540	840	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	540	U	540	840	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	550	840	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	560	U	560	840	1100	ug/Kg
100-51-6	Benzyl Alcohol	530	U	530	1700	2100	ug/Kg
95-48-7	2-Methylphenol	520	U	520	840	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	840	1100	ug/Kg
98-86-2	Acetophenone	560	U	560	840	1100	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	510	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	510	510	ug/Kg
67-72-1	Hexachloroethane	530	U	530	840	1100	ug/Kg
98-95-3	Nitrobenzene	580	U	580	840	1100	ug/Kg
78-59-1	Isophorone	540	U	540	840	1100	ug/Kg
88-75-5	2-Nitrophenol	610	U	610	840	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	600	U	600	840	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	550	U	550	840	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	490	U	490	840	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	550	U	550	840	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	530	U	530	840	1100	ug/Kg
106-47-8	4-Chloroaniline	530	U	530	840	1100	ug/Kg
87-68-3	Hexachlorobutadiene	540	U	540	840	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024	SDG No.:	BG041024
Lab Sample ID:	P2022-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060852.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	560	U	560	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	500	U	500	840	1100	ug/Kg
91-57-6	2-Methylnaphthalene	530	U	530	840	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	460	U	460	840	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	480	U	480	840	1100	ug/Kg
92-52-4	1,1-Biphenyl	560	U	560	840	1100	ug/Kg
91-58-7	2-Chloronaphthalene	540	U	540	840	1100	ug/Kg
88-74-4	2-Nitroaniline	610	U	610	840	1100	ug/Kg
131-11-3	Dimethylphthalate	530	U	530	840	1100	ug/Kg
208-96-8	Acenaphthylene	560	U	560	840	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	540	U	540	840	1100	ug/Kg
99-09-2	3-Nitroaniline	570	U	570	840	1100	ug/Kg
83-32-9	Acenaphthene	520	U	520	840	1100	ug/Kg
Total PAH	Total PAH	8520	U	8520	840	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	750	U	750	1700	2100	ug/Kg
132-64-9	Dibenzofuran	540	U	540	840	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	840	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1090	U	1090	840	2200	ug/Kg
84-66-2	Diethylphthalate	520	U	520	840	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	550	U	550	840	1100	ug/Kg
86-73-7	Fluorene	550	U	550	840	1100	ug/Kg
100-01-6	4-Nitroaniline	690	U	690	840	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	750	U	750	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	530	U	530	840	1100	ug/Kg
103-33-3	Azobenzene	510	U	510	840	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	510	U	510	840	1100	ug/Kg
118-74-1	Hexachlorobenzene	550	U	550	840	1100	ug/Kg
1912-24-9	Atrazine	590	U	590	840	1100	ug/Kg



Client:			Date Collected:	4/8/2024 12:00:00 AM	
Project:			Date Received:	4/8/2024 12:00:00 AM	
Client Sample ID:	SU-03-04082024		SDG No.:	BG041024	
Lab Sample ID:	P2022-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	6.8	
Sample Wt/Vol:	50.02	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060852.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	500	U	500	1700	2100	ug/Kg
85-01-8	Phenanthrene	540	U	540	840	1100	ug/Kg
120-12-7	Anthracene	540	U	540	840	1100	ug/Kg
86-74-8	Carbazole	520	U	520	840	1100	ug/Kg
84-74-2	Di-n-butylphthalate	540	U	540	840	1100	ug/Kg
206-44-0	Fluoranthene	530	U	530	840	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	530	U	530	840	1100	ug/Kg
85-68-7	Butylbenzylphthalate	620	U	620	840	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630	U	630	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	520	U	520	840	1100	ug/Kg
218-01-9	Chrysene	510	U	510	840	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	590	U	590	840	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	710	U	710	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	520	U	520	840	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	530	U	530	840	1100	ug/Kg
50-32-8	Benzo(a)pyrene	600	U	600	840	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	500	U	500	840	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	520	U	520	840	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	520	U	520	840	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	560	U	560	840	1100	ug/Kg
123-91-1	1,4-Dioxane	710	U	710	840	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	480	U	480	840	1100	ug/Kg
90-12-0	1-Methylnaphthalene	540	U	540	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.69		18-112		54	SPK: -150
13127-88-3	Phenol-d6	74.9		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	65.42		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	60.21		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024	SDG No.:	BG041024
Lab Sample ID:	P2022-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060852.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	101.12		10-110		67	SPK: -150
1718-51-0	Terphenyl-d14	60.36		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78752	7.947				
1146-65-2	Naphthalene-d8	302727	10.744				
15067-26-2	Acenaphthene-d10	213923	14.575				
1517-22-2	Phenanthrene-d10	481281	17.319				
1719-03-5	Chrysene-d12	447100	21.584				
1520-96-3	Perylene-d12	510834	24.722				

Report of Analysis

Client:				Date Collected:	4/8/2024 12:00:00 AM		
Project:				Date Received:	4/8/2024 12:00:00 AM		
Client Sample ID:	SU-03-04082024MS			SDG No.:	BG041024		
Lab Sample ID:	P2022-01MS			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	6.8		
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060853.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	780	J	560	1700	2100	ug/Kg
110-86-1	Pyridine	510	U	510	840	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1700	2100	ug/Kg
62-53-3	Aniline	620	U	620	840	1100	ug/Kg
108-95-2	Phenol	670	J	530	840	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	650	J	540	840	1100	ug/Kg
95-57-8	2-Chlorophenol	670	J	540	840	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	770	J	540	840	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	780	J	550	840	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	760	J	560	840	1100	ug/Kg
100-51-6	Benzyl Alcohol	620	J	530	1700	2100	ug/Kg
95-48-7	2-Methylphenol	590	J	520	840	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	680	J	580	840	1100	ug/Kg
98-86-2	Acetophenone	740	J	560	840	1100	ug/Kg
65794-96-9	3+4-Methylphenols	560	J	510	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	580		260	510	510	ug/Kg
67-72-1	Hexachloroethane	700	J	530	840	1100	ug/Kg
98-95-3	Nitrobenzene	1300		580	840	1100	ug/Kg
78-59-1	Isophorone	680	J	540	840	1100	ug/Kg
88-75-5	2-Nitrophenol	1500		610	840	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	600	U	600	840	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	650	J	550	840	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	750	J	490	840	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	830	J	550	840	1100	ug/Kg
65-85-0	Benzoic acid	1900	J	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	720	J	530	840	1100	ug/Kg
106-47-8	4-Chloroaniline	530	U	530	840	1100	ug/Kg
87-68-3	Hexachlorobutadiene	900	J	540	840	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024MS	SDG No.:	BG041024
Lab Sample ID:	P2022-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060853.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	560	U	560	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	660	J	500	840	1100	ug/Kg
91-57-6	2-Methylnaphthalene	670	J	530	840	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	750	J	460	840	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	700	J	480	840	1100	ug/Kg
92-52-4	1,1-Biphenyl	710	J	560	840	1100	ug/Kg
91-58-7	2-Chloronaphthalene	730	J	540	840	1100	ug/Kg
88-74-4	2-Nitroaniline	1300		610	840	1100	ug/Kg
131-11-3	Dimethylphthalate	640	J	530	840	1100	ug/Kg
208-96-8	Acenaphthylene	730	J	560	840	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		540	840	1100	ug/Kg
99-09-2	3-Nitroaniline	1100		570	840	1100	ug/Kg
83-32-9	Acenaphthene	650	J	520	840	1100	ug/Kg
Total PAH	Total PAH	11460	J	8520	840	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	1100	J	750	1700	2100	ug/Kg
132-64-9	Dibenzofuran	710	J	540	840	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		550	840	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		1090	840	2200	ug/Kg
84-66-2	Diethylphthalate	630	J	520	840	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	730	J	550	840	1100	ug/Kg
86-73-7	Fluorene	730	J	550	840	1100	ug/Kg
100-01-6	4-Nitroaniline	690	J	690	840	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500	J	750	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	710	J	520	840	1100	ug/Kg
103-33-3	Azobenzene	630	J	510	840	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	830	J	510	840	1100	ug/Kg
118-74-1	Hexachlorobenzene	810	J	550	840	1100	ug/Kg
1912-24-9	Atrazine	760	J	590	840	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024MS	SDG No.:	BG041024
Lab Sample ID:	P2022-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060853.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1400	J	500	1700	2100	ug/Kg
85-01-8	Phenanthrene	810	J	540	840	1100	ug/Kg
120-12-7	Anthracene	750	J	540	840	1100	ug/Kg
86-74-8	Carbazole	720	J	520	840	1100	ug/Kg
84-74-2	Di-n-butylphthalate	670	J	540	840	1100	ug/Kg
206-44-0	Fluoranthene	870	J	530	840	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	940	J	530	840	1100	ug/Kg
85-68-7	Butylbenzylphthalate	770	J	620	840	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630	U	630	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	820	J	520	840	1100	ug/Kg
218-01-9	Chrysene	850	J	510	840	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	730	J	590	840	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	710	J	710	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	840	J	520	840	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	840	J	530	840	1100	ug/Kg
50-32-8	Benzo(a)pyrene	780	J	600	840	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	580	J	500	840	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	550	J	520	840	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	520	U	520	840	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	810	J	560	840	1100	ug/Kg
123-91-1	1,4-Dioxane	710	U	710	840	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	760	J	480	840	1100	ug/Kg
90-12-0	1-Methylnaphthalene	680	J	540	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.12		18-112		51	SPK: -150
13127-88-3	Phenol-d6	71.92		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	61.92		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	54.32		20-109		54	SPK: -100

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024MS	SDG No.:	BG041024
Lab Sample ID:	P2022-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060853.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93.49		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	53.88		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77205	7.947				
1146-65-2	Naphthalene-d8	290179	10.744				
15067-26-2	Acenaphthene-d10	211144	14.58				
1517-22-2	Phenanthrene-d10	464991	17.324				
1719-03-5	Chrysene-d12	418538	21.584				
1520-96-3	Perylene-d12	466379	24.727				

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024MSD	SDG No.:	BG041024
Lab Sample ID:	P2022-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BG060854.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	760	J	560	1700	2100	ug/Kg
110-86-1	Pyridine	550	J	510	840	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1700	2100	ug/Kg
62-53-3	Aniline	620	U	620	840	1100	ug/Kg
108-95-2	Phenol	740	J	530	840	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	700	J	540	840	1100	ug/Kg
95-57-8	2-Chlorophenol	750	J	540	840	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	780	J	540	840	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	840	J	550	840	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	820	J	560	840	1100	ug/Kg
100-51-6	Benzyl Alcohol	680	J	530	1700	2100	ug/Kg
95-48-7	2-Methylphenol	660	J	520	840	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	740	J	580	840	1100	ug/Kg
98-86-2	Acetophenone	840	J	560	840	1100	ug/Kg
65794-96-9	3+4-Methylphenols	630	J	510	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	630		260	510	510	ug/Kg
67-72-1	Hexachloroethane	680	J	530	840	1100	ug/Kg
98-95-3	Nitrobenzene	1400		580	840	1100	ug/Kg
78-59-1	Isophorone	740	J	540	840	1100	ug/Kg
88-75-5	2-Nitrophenol	1500		610	840	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	610	J	600	840	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	740	J	550	840	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	830	J	490	840	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	900	J	550	840	1100	ug/Kg
65-85-0	Benzoic acid	1800	J	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	810	J	530	840	1100	ug/Kg
106-47-8	4-Chloroaniline	530	U	530	840	1100	ug/Kg
87-68-3	Hexachlorobutadiene	1000	J	540	840	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024MSD	SDG No.:	BG041024
Lab Sample ID:	P2022-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BG060854.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	560	U	560	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	730	J	500	840	1100	ug/Kg
91-57-6	2-Methylnaphthalene	760	J	530	840	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	870	J	460	840	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	810	J	480	840	1100	ug/Kg
92-52-4	1,1-Biphenyl	830	J	560	840	1100	ug/Kg
91-58-7	2-Chloronaphthalene	830	J	540	840	1100	ug/Kg
88-74-4	2-Nitroaniline	1400		610	840	1100	ug/Kg
131-11-3	Dimethylphthalate	720	J	530	840	1100	ug/Kg
208-96-8	Acenaphthylene	810	J	560	840	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		530	840	1100	ug/Kg
99-09-2	3-Nitroaniline	1200		570	840	1100	ug/Kg
83-32-9	Acenaphthene	750	J	520	840	1100	ug/Kg
Total PAH	Total PAH	12950	J	8510	840	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	1300	J	750	1700	2100	ug/Kg
132-64-9	Dibenzofuran	800	J	540	840	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2600		1080	840	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		550	840	1100	ug/Kg
84-66-2	Diethylphthalate	680	J	510	840	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	820	J	550	840	1100	ug/Kg
86-73-7	Fluorene	830	J	550	840	1100	ug/Kg
100-01-6	4-Nitroaniline	880	J	690	840	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500	J	750	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	780	J	520	840	1100	ug/Kg
103-33-3	Azobenzene	710	J	510	840	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	890	J	510	840	1100	ug/Kg
118-74-1	Hexachlorobenzene	930	J	550	840	1100	ug/Kg
1912-24-9	Atrazine	870	J	590	840	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024MSD	SDG No.:	BG041024
Lab Sample ID:	P2022-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BG060854.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1500	J	500	1700	2100	ug/Kg
85-01-8	Phenanthrene	930	J	540	840	1100	ug/Kg
120-12-7	Anthracene	820	J	540	840	1100	ug/Kg
86-74-8	Carbazole	790	J	520	840	1100	ug/Kg
84-74-2	Di-n-butylphthalate	770	J	540	840	1100	ug/Kg
206-44-0	Fluoranthene	990	J	530	840	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	1100		530	840	1100	ug/Kg
85-68-7	Butylbenzylphthalate	830	J	620	840	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	670	J	630	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	940	J	520	840	1100	ug/Kg
218-01-9	Chrysene	950	J	510	840	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	800	J	590	840	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	810	J	710	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	970	J	520	840	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	930	J	530	840	1100	ug/Kg
50-32-8	Benzo(a)pyrene	900	J	600	840	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	640	J	500	840	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	580	J	520	840	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510	U	510	840	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	930	J	560	840	1100	ug/Kg
123-91-1	1,4-Dioxane	710	U	710	840	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	840	J	480	840	1100	ug/Kg
90-12-0	1-Methylnaphthalene	720	J	530	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.97		18-112		55	SPK: -150
13127-88-3	Phenol-d6	76.11		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	71.03		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	62.61		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	SU-03-04082024MSD	SDG No.:	BG041024
Lab Sample ID:	P2022-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BG060854.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.16		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	60.82		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72045	7.952				
1146-65-2	Naphthalene-d8	267231	10.749				
15067-26-2	Acenaphthene-d10	188796	14.58				
1517-22-2	Phenanthrene-d10	412562	17.323				
1719-03-5	Chrysene-d12	370515	21.589				
1520-96-3	Perylene-d12	382502	24.726				

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	OK-02-040924	SDG No.:	BG041024
Lab Sample ID:	P2038-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060855.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	570	U	570	1800	2200	ug/Kg
110-86-1	Pyridine	530	U	530	850	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1800	2200	ug/Kg
62-53-3	Aniline	640	U	640	850	1100	ug/Kg
108-95-2	Phenol	540	U	540	850	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	550	U	550	850	1100	ug/Kg
95-57-8	2-Chlorophenol	550	U	550	850	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	560	U	560	850	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	570	U	570	850	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	570	U	570	850	1100	ug/Kg
100-51-6	Benzyl Alcohol	550	U	550	1800	2200	ug/Kg
95-48-7	2-Methylphenol	530	U	530	850	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	600	U	600	850	1100	ug/Kg
98-86-2	Acetophenone	570	U	570	850	1100	ug/Kg
65794-96-9	3+4-Methylphenols	520	U	520	1800	2200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	530	530	ug/Kg
67-72-1	Hexachloroethane	550	U	550	850	1100	ug/Kg
98-95-3	Nitrobenzene	600	U	600	850	1100	ug/Kg
78-59-1	Isophorone	560	U	560	850	1100	ug/Kg
88-75-5	2-Nitrophenol	620	U	620	850	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	610	U	610	850	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	560	U	560	850	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	500	U	500	850	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	560	U	560	850	1100	ug/Kg
65-85-0	Benzoic acid	1600	U	1600	1800	2200	ug/Kg
91-20-3	Naphthalene	540	U	540	850	1100	ug/Kg
106-47-8	4-Chloroaniline	540	U	540	850	1100	ug/Kg
87-68-3	Hexachlorobutadiene	550	U	550	850	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	OK-02-040924	SDG No.:	BG041024
Lab Sample ID:	P2038-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060855.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	570	U	570	1800	2200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	510	U	510	850	1100	ug/Kg
91-57-6	2-Methylnaphthalene	540	U	540	850	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1800	2200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	470	U	470	850	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	490	U	490	850	1100	ug/Kg
92-52-4	1,1-Biphenyl	570	U	570	850	1100	ug/Kg
91-58-7	2-Chloronaphthalene	550	U	550	850	1100	ug/Kg
88-74-4	2-Nitroaniline	620	U	620	850	1100	ug/Kg
131-11-3	Dimethylphthalate	540	U	540	850	1100	ug/Kg
208-96-8	Acenaphthylene	570	U	570	850	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	550	U	550	850	1100	ug/Kg
99-09-2	3-Nitroaniline	590	U	590	850	1100	ug/Kg
83-32-9	Acenaphthene	530	U	530	850	1100	ug/Kg
Total PAH	Total PAH	8690	U	8690	850	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1800	2200	ug/Kg
100-02-7	4-Nitrophenol	760	U	760	1800	2200	ug/Kg
132-64-9	Dibenzofuran	550	U	550	850	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	570	U	570	850	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1120	U	1120	850	2200	ug/Kg
84-66-2	Diethylphthalate	530	U	530	850	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	560	U	560	850	1100	ug/Kg
86-73-7	Fluorene	560	U	560	850	1100	ug/Kg
100-01-6	4-Nitroaniline	700	U	700	850	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	770	U	770	1800	2200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	540	U	540	850	1100	ug/Kg
103-33-3	Azobenzene	520	U	520	850	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	520	U	520	850	1100	ug/Kg
118-74-1	Hexachlorobenzene	560	U	560	850	1100	ug/Kg
1912-24-9	Atrazine	600	U	600	850	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	OK-02-040924	SDG No.:	BG041024
Lab Sample ID:	P2038-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060855.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	510	U	510	1800	2200	ug/Kg
85-01-8	Phenanthrene	1000	J	550	850	1100	ug/Kg
120-12-7	Anthracene	550	U	550	850	1100	ug/Kg
86-74-8	Carbazole	530	U	530	850	1100	ug/Kg
84-74-2	Di-n-butylphthalate	550	U	550	850	1100	ug/Kg
206-44-0	Fluoranthene	1900		540	850	1100	ug/Kg
92-87-5	Benzidine	1100	U	1100	1800	2200	ug/Kg
129-00-0	Pyrene	1700		550	850	1100	ug/Kg
85-68-7	Butylbenzylphthalate	640	U	640	850	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650	U	650	1800	2200	ug/Kg
56-55-3	Benzo(a)anthracene	950	J	530	850	1100	ug/Kg
218-01-9	Chrysene	890	J	520	850	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	600	U	600	850	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	720	U	720	1800	2200	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		530	850	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	540	U	540	850	1100	ug/Kg
50-32-8	Benzo(a)pyrene	910	J	610	850	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	510	U	510	850	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	530	U	530	850	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	530	U	530	850	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	570	U	570	850	1100	ug/Kg
123-91-1	1,4-Dioxane	720	U	720	850	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	490	U	490	850	1100	ug/Kg
90-12-0	1-Methylnaphthalene	550	U	550	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.6		18-112		59	SPK: -150
13127-88-3	Phenol-d6	83.23		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	70.09		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	65.13		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	OK-02-040924	SDG No.:	BG041024
Lab Sample ID:	P2038-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060855.D	10	4/10/2024 12:00:00 AM	4/10/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	113.6		10-110		76	SPK: -150
1718-51-0	Terphenyl-d14	63.97		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67068	7.953				
1146-65-2	Naphthalene-d8	252534	10.75				
15067-26-2	Acenaphthene-d10	176784	14.581				
1517-22-2	Phenanthrene-d10	383537	17.325				
1719-03-5	Chrysene-d12	346816	21.59				
1520-96-3	Perylene-d12	332252	24.733				
TENTATIVE IDENTIFIED COMPOUNDS							
017301-94-9	Nonane, 4-methyl-	540	J			12.184	
000629-59-4	Tetradecane	640	J			13.417	
000629-62-9	Pentadecane	860	J			14.493	
000544-76-3	Hexadecane	1000	J			15.444	
062108-26-3	Decane, 2,6,8-trimethyl-	510	J			15.856	
000629-50-5	Tridecane	1000	J			16.308	
000593-45-3	Octadecane	900	J			17.107	
001560-93-6	Pentadecane, 2-methyl-	510	J			17.16	
000112-95-8	Eicosane	830	J			17.848	
000112-39-0	Hexadecanoic acid, methyl ester	2100	J			18.018	
000124-18-5	Decane	800	J			18.535	
025525-76-2	2-Chloroethyl linoleate	11200	J			19.152	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	5900	J			19.187	
000112-61-8	Methyl stearate	1100	J			19.322	
017302-23-7	Nonane, 4,5-dimethyl-	580	J			20.28	



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

Hit Summary Sheet SW-846

SDG No.: BG041024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OK-02-040924								
P2038-01	OK-02-040924	Solid	2-Chloroethyl linoleate	*	11,200.000	J		
P2038-01	OK-02-040924	Solid	9-Octadecenoic acid (Z)-, methyl	*	5,900.000	J		
P2038-01	OK-02-040924	Solid	Decane	*	800.000	J		
P2038-01	OK-02-040924	Solid	Decane, 2,6,8-trimethyl-	*	510.000	J		
P2038-01	OK-02-040924	Solid	Eicosane	*	830.000	J		
P2038-01	OK-02-040924	Solid	Hexadecane	*	1,000.000	J		
P2038-01	OK-02-040924	Solid	Hexadecanoic acid, methyl ester	*	2,100.000	J		
P2038-01	OK-02-040924	Solid	Methyl stearate	*	1,100.000	J		
P2038-01	OK-02-040924	Solid	Nonane, 4,5-dimethyl-	*	580.000	J		
P2038-01	OK-02-040924	Solid	Nonane, 4-methyl-	*	540.000	J		
P2038-01	OK-02-040924	Solid	Octadecane	*	900.000	J		
P2038-01	OK-02-040924	Solid	Pentadecane	*	860.000	J		
P2038-01	OK-02-040924	Solid	Pentadecane, 2-methyl-	*	510.000	J		
P2038-01	OK-02-040924	Solid	Tetradecane	*	640.000	J		
P2038-01	OK-02-040924	Solid	Tridecane	*	1,000.000	J		
			Total Tics :		28,470.00			
P2038-01	OK-02-040924	Solid	Benzo(a)anthracene		950.000	J 530	1100	ug/Kg
P2038-01	OK-02-040924	Solid	Benzo(a)pyrene		910.000	J 610	1100	ug/Kg
P2038-01	OK-02-040924	Solid	Benzo(b)fluoranthene		1,200.000	530	1100	ug/Kg
P2038-01	OK-02-040924	Solid	Chrysene		890.000	J 520	1100	ug/Kg
P2038-01	OK-02-040924	Solid	Fluoranthene		1,900.000	540	1100	ug/Kg
P2038-01	OK-02-040924	Solid	Phenanthrene		1,000.000	J 550	1100	ug/Kg
P2038-01	OK-02-040924	Solid	Pyrene		1,700.000	550	1100	ug/Kg
			Total Svoc :		8,550.00			
			Total Concentration:		37,020.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG032924 SAS No.: BG032924 SDG No.: BG032924
Instrument ID: _____ Calibration Date(s): 3/29/2024 : _____
Calibration Time(s): 10:48 _____

LAB FILE ID:		RRF2.5 = BG060699.D			RRF5.0 = BG060700.D		RRF010 = BG060701.D	
		RRF020 = BG060702.D			RRF040 = BG060703.D		RRF050 = BG060704.D	
COMPOUND	RRF2.5	RRF5.0	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.894	0.864	0.865	0.929	0.915	0.887	5.2
Pyridine		1.490	1.522	1.496	1.602	1.565	1.485	8.1
2-Fluorophenol		1.171	1.161	1.269	1.204	1.164	1.201	3.5
Benzaldehyde			1.121	1.113	0.947	0.875	0.983	12.9
Aniline		2.123	2.225	2.424	2.291	2.196	2.250	4.2
Phenol-d6		1.718	1.774	1.859	1.813	1.738	1.782	2.8
Phenol		1.712	1.798	1.902	1.875	1.764	1.819	3.8
bis(2-Chloroethyl)ether		1.477	1.480	1.546	1.467	1.414	1.468	2.8
2-Chlorophenol		1.265	1.350	1.428	1.376	1.348	1.361	4.0
1,2-Dichlorobenzene		1.455	1.406	1.516	1.396	1.323	1.415	4.2
1,3-Dichlorobenzene		1.527	1.396	1.447	1.391	1.357	1.415	4.0
1,4-Dichlorobenzene		1.474	1.476	1.484	1.421	1.390	1.444	2.7
Benzyl Alcohol		1.345	1.411	1.500	1.481	1.421	1.444	3.8
2-Methylphenol		1.285	1.361	1.457	1.386	1.325	1.373	4.2
2,2-oxybis(1-Chloropropane)		3.269	3.356	3.489	3.291	3.139	3.314	3.2
Acetophenone		0.539	0.534	0.597	0.540	0.545	0.551	4.4
3+4-Methylphenols		1.683	1.831	2.015	1.911	1.849	1.880	5.8
n-Nitroso-di-n-propylamine	1.345	1.260	1.367	1.452	1.377	1.318	1.359	4.2
Nitrobenzene-d5			0.270	0.331	0.341	0.371	0.350	13.6
Hexachloroethane		0.495	0.533	0.533	0.493	0.493	0.513	3.8
Nitrobenzene		0.253	0.304	0.348	0.363	0.386	0.352	16.1
Isophorone		0.765	0.787	0.853	0.804	0.813	0.807	3.8
2-Nitrophenol		0.079	0.083	0.111	0.124	0.137	0.120	25.1
2,4-Dimethylphenol		0.310	0.321	0.347	0.318	0.323	0.324	4.1
bis(2-Chloroethoxy)methane		0.469	0.467	0.496	0.469	0.482	0.477	2.5
2,4-Dichlorophenol		0.253	0.277	0.311	0.306	0.313	0.298	8.0
1,2,4-Trichlorobenzene		0.325	0.326	0.351	0.331	0.339	0.337	3.6
Benzoic acid			0.115	0.163	0.199	0.212	0.191	23.5
Naphthalene		1.074	1.091	1.136	1.077	1.065	1.082	2.9
4-Chloroaniline		0.487	0.493	0.528	0.508	0.502	0.503	2.9
Hexachlorobutadiene		0.213	0.223	0.234	0.218	0.226	0.225	3.6
Caprolactam		0.112	0.119	0.127	0.121	0.115	0.118	4.6
4-Chloro-3-methylphenol		0.370	0.365	0.394	0.392	0.377	0.380	3.1
2-Methylnaphthalene		0.808	0.811	0.828	0.783	0.772	0.795	3.5
Hexachlorocyclopentadiene		0.256	0.247	0.295	0.286	0.314	0.292	10.9
2,4,6-Trichlorophenol		0.302	0.338	0.381	0.372	0.398	0.370	10.1

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.: BG032924 SAS No.: BG032924 SDG No.: BG032924
Instrument ID: _____ Calibration Date(s): 3/29/2024 : _____
Calibration Time(s): 10:48 _____

LAB FILE ID:		RRF2.5 = BG060699.D			RRF5.0 = BG060700.D		RRF010 = BG060701.D	
		RRF020 = BG060702.D			RRF040 = BG060703.D		RRF050 = BG060704.D	
COMPOUND	RRF2.5	RRF5.0	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.383	1.377	1.463	1.316	1.359	1.363	4.1
2,4,5-Trichlorophenol		0.380	0.407	0.461	0.445	0.465	0.442	7.9
1,1-Biphenyl		1.417	1.415	1.496	1.364	1.405	1.413	3.0
2-Chloronaphthalene		1.036	1.062	1.133	1.045	1.083	1.073	3.0
2-Nitroaniline		0.201	0.231	0.289	0.323	0.356	0.307	22.9
Dimethylphthalate		1.570	1.576	1.696	1.565	1.570	1.581	3.6
Acenaphthylene		1.760	1.812	1.900	1.759	1.818	1.803	2.9
2,6-Dinitrotoluene		0.154	0.188	0.251	0.264	0.284	0.247	22.3
3-Nitroaniline		0.185	0.226	0.283	0.300	0.309	0.277	18.7
Acenaphthene		1.093	1.150	1.191	1.108	1.137	1.132	3.1
2,4-Dinitrophenol			0.092	0.099	0.108	0.118	0.110	14.8
4-Nitrophenol			0.180	0.218	0.236	0.244	0.231	12.4
Dibenzofuran		1.813	1.854	1.867	1.732	1.780	1.786	3.6
2,4-Dinitrotoluene		0.192	0.242	0.314	0.346	0.374	0.320	24.0
Diethylphthalate		1.622	1.665	1.690	1.557	1.558	1.590	4.5
4-Chlorophenyl-phenylether		0.794	0.789	0.798	0.738	0.742	0.758	4.7
Fluorene		1.482	1.514	1.521	1.412	1.398	1.433	5.3
4-Nitroaniline		0.214	0.255	0.299	0.303	0.312	0.289	13.8
4,6-Dinitro-2-methylphenol			0.048	0.063	0.072	0.081	0.073	21.8
n-Nitrosodiphenylamine		0.539	0.564	0.586	0.568	0.587	0.572	3.1
Azobenzene		1.516	1.599	1.667	1.536	1.532	1.550	4.1
2,4,6-Tribromophenol		0.187	0.214	0.243	0.226	0.236	0.227	9.2
4-Bromophenyl-phenylether		0.187	0.189	0.215	0.202	0.205	0.203	5.7
Hexachlorobenzene		0.222	0.219	0.239	0.225	0.233	0.229	3.4
Atrazine		0.195	0.209	0.213	0.200	0.197	0.200	4.4
Pentachlorophenol		0.108	0.133	0.155	0.152	0.164	0.150	14.9
Phenanthrene		1.052	1.057	1.109	1.010	1.030	1.040	3.9
Anthracene		1.060	1.060	1.128	1.030	1.050	1.056	3.7
Carbazole		0.957	0.949	0.999	0.906	0.919	0.931	4.5
Di-n-butylphthalate		1.134	1.187	1.258	1.153	1.154	1.161	4.5
Fluoranthene		1.343	1.329	1.337	1.216	1.228	1.262	5.8
Benzidine		0.498	0.492	0.525	0.596	0.534	0.527	6.5
Pyrene		1.411	1.408	1.525	1.368	1.366	1.399	4.5
Terphenyl-d14		1.221	1.230	1.271	1.104	1.073	1.136	9.3
Butylbenzylphthalate		0.422	0.460	0.539	0.520	0.542	0.510	9.8
3,3-Dichlorobenzidine		0.430	0.445	0.510	0.493	0.488	0.476	5.9

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.: BG032924 SAS No.: BG032924 SDG No.: BG032924
Instrument ID: _____ Calibration Date(s): 3/29/2024 : _____
Calibration Time(s): 10:48 _____

LAB FILE ID:		RRF2.5 = BG060699.D			RRF5.0 = BG060700.D		RRF010 = BG060701.D	
		RRF020 = BG060702.D			RRF040 = BG060703.D		RRF050 = BG060704.D	
COMPOUND	RRF2.5	RRF5.0	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.385	1.406	1.500	1.401	1.400	1.410	3.1
Chrysene		1.350	1.348	1.440	1.345	1.349	1.359	2.8
Bis(2-ethylhexyl)phthalate		0.705	0.769	0.866	0.836	0.847	0.813	7.0
Di-n-octyl phthalate		1.077	1.191	1.382	1.389	1.413	1.325	10.2
Benzo(b)fluoranthene		1.132	1.130	1.198	1.141	1.143	1.149	2.2
Benzo(k)fluoranthene		1.155	1.142	1.236	1.181	1.172	1.176	3.1
Benzo(a)pyrene		1.073	1.092	1.156	1.122	1.119	1.117	2.8
Indeno(1,2,3-cd)pyrene		1.303	1.361	1.463	1.393	1.461	1.408	4.3
Dibenzo(a,h)anthracene		1.092	1.144	1.234	1.173	1.235	1.187	4.7
Benzo(g,h,i)perylene		1.091	1.120	1.190	1.139	1.189	1.155	3.5
1,2,4,5-Tetrachlorobenzene		0.553	0.550	0.595	0.555	0.589	0.575	3.8
1,4-Dioxane		0.553	0.531	0.496	0.476	0.492	0.492	8.9
2,3,4,6-Tetrachlorophenol		0.325	0.373	0.396	0.400	0.404	0.385	7.4
1-Methylnaphthalene		0.770	0.762	0.806	0.727	0.732	0.751	4.1

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.: BG041024 SAS No.: BG041024 SDG NO.: BG041024

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

Lab File ID: BG060703.D Time Analyzed: 10:18

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	51170	7.961	236385	10.76	178236	14.59
UPPER LIMIT	102340	8.461	472770	11.258	356472	15.089
LOWER LIMIT	25585	7.461	118192.5	10.258	89118	14.089
EPA SAMPLE NO.						
01 PB160005BL	69335	7.95	260459	10.74	201021	14.57
02 PB160000BL	72862	7.94	275983	10.74	216493	14.58
03 PB160074BS	58076	7.94	239507	10.75	194386	14.58
04 LAUREL-CONCRETE	59463	7.95	229540	10.74	173885	14.57
05 PIERS-1	54577	7.95	217916	10.74	165544	14.58
06 SU-03-04082024	78752	7.95	302727	10.74	213923	14.58
07 SU-03-04082024MS	77205	7.95	290179	10.74	211144	14.58
08 SU-03-04082024MSD	72045	7.95	267231	10.75	188796	14.58
09 OK-02-040924	67068	7.95	252534	10.75	176784	14.58

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.: BG041024 SAS No.: BG041024 SDG NO.: BG041024

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

Lab File ID: BG060846.D Time Analyzed: 10:18

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	65890	7.947	257343	10.74	193770	14.57
UPPER LIMIT	131780	8.447	514686	11.243	387540	15.074
LOWER LIMIT	32945	7.447	128671.5	10.243	96885	14.074
EPA SAMPLE NO.						
01 PB160005BL	69335	7.95	260459	10.74	201021	14.57
02 PB160000BL	72862	7.94	275983	10.74	216493	14.58
03 PB160074BS	58076	7.94	239507	10.75	194386	14.58
04 LAUREL-CONCRETE	59463	7.95	229540	10.74	173885	14.57
05 PIERS-1	54577	7.95	217916	10.74	165544	14.58
06 SU-03-04082024	78752	7.95	302727	10.74	213923	14.58
07 SU-03-04082024MS	77205	7.95	290179	10.74	211144	14.58
08 SU-03-04082024MSD	72045	7.95	267231	10.75	188796	14.58
09 OK-02-040924	67068	7.95	252534	10.75	176784	14.58

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.: BG041024 SAS No.: BG041024 SDG NO.: BG041024

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

Lab File ID: BG060703.D Time Analyzed: 10:18

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	416987	17.339	381473	21.604	450367	24.748
UPPER LIMIT	833974	17.839	762946	22.104	900734	25.248
LOWER LIMIT	208493.5	16.839	190736.5	21.104	225183.5	24.248
EPA SAMPLE NO.						
01 PB160005BL	571063	17.32	582400	21.58	670741	24.71
02 PB160000BL	598826	17.32	596368	21.59	679698	24.71
03 PB160074BS	460638	17.33	432488	21.59	495602	24.72
04 LAUREL-CONCRETE	408249	17.32	417958	21.58	506107	24.71
05 PIERS-1	401000	17.32	407374	21.58	479074	24.72
06 SU-03-04082024	481281	17.32	447100	21.58	510834	24.72
07 SU-03-04082024MS	464991	17.32	418538	21.58	466379	24.73
08 SU-03-04082024MSD	412562	17.32	370515	21.59	382502	24.73
09 OK-02-040924	383537	17.33	346816	21.59	332252	24.73

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041024 SAS No.: BG041024 SDG NO.: BG041024

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

Lab File ID: BG060846.D Time Analyzed: 10:18

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	457038	17.324	450652	21.584	533932	24.715
UPPER LIMIT	914076	17.824	901304	22.084	1067864	25.215
LOWER LIMIT	228519	16.824	225326	21.084	266966	24.215
EPA SAMPLE NO.						
01 PB160005BL	571063	17.32	582400	21.58	670741	24.71
02 PB160000BL	598826	17.32	596368	21.59	679698	24.71
03 PB160074BS	460638	17.33	432488	21.59	495602	24.72
04 LAUREL-CONCRETE	408249	17.32	417958	21.58	506107	24.71
05 PIERS-1	401000	17.32	407374	21.58	479074	24.72
06 SU-03-04082024	481281	17.32	447100	21.58	510834	24.72
07 SU-03-04082024MS	464991	17.32	418538	21.58	466379	24.73
08 SU-03-04082024MSD	412562	17.32	370515	21.59	382502	24.73
09 OK-02-040924	383537	17.33	346816	21.59	332252	24.73

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.: BG041024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160074BS	n-Nitrosodimethylamine	50	38.4	ug/L	77				55	108	
	Pyridine	50	29	ug/L	58				29	97	
	Benzaldehyde	50	10.2	ug/L	20				15	121	
	Aniline	50	23.2	ug/L	46				10	130	
	Phenol	50	45.3	ug/L	91				66	118	
	bis(2-Chloroethyl)ether	50	37.6	ug/L	75				62	103	
	2-Chlorophenol	50	44.8	ug/L	90				70	117	
	1,2-Dichlorobenzene	50	43.4	ug/L	87				72	102	
	1,3-Dichlorobenzene	50	43.1	ug/L	86				71	103	
	1,4-Dichlorobenzene	50	43.6	ug/L	87				76	103	
	Benzyl Alcohol	50	42	ug/L	84				36	93	
	2-Methylphenol	50	41.3	ug/L	83				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.4	ug/L	83				52	103	
	Acetophenone	50	42.9	ug/L	86				60	104	
	3+4-Methylphenols	50	42	ug/L	84				67	106	
	N-Nitroso-di-n-propylamine	50	38	ug/L	76				57	107	
	Hexachloroethane	50	43.8	ug/L	88				76	118	
	Nitrobenzene	50	45.8	ug/L	92				58	106	
	Isophorone	50	40.5	ug/L	81				61	102	
	2-Nitrophenol	50	54.8	ug/L	110				70	115	
	2,4-Dimethylphenol	50	36.2	ug/L	72				67	130	
	bis(2-Chloroethoxy)methane	50	41.3	ug/L	83				58	109	
	2,4-Dichlorophenol	50	51.6	ug/L	103				66	115	
	1,2,4-Trichlorobenzene	50	47.7	ug/L	95				41	115	
	Benzoic acid	50	49	ug/L	98				10	125	
	Naphthalene	50	42.1	ug/L	84				64	107	
	4-Chloroaniline	50	14.8	ug/L	30				10	85	
	Hexachlorobutadiene	50	48.2	ug/L	96				69	101	
	Caprolactam	50	44.4	ug/L	89				58	128	
	4-Chloro-3-methylphenol	50	48.1	ug/L	96				65	114	
	2-Methylnaphthalene	50	41.2	ug/L	82				64	107	
	Hexachlorocyclopentadiene	100	100	ug/L	100				36	160	
	2,4,6-Trichlorophenol	50	51	ug/L	102				61	110	
	2,4,5-Trichlorophenol	50	47.6	ug/L	95				70	106	
	1,1-Biphenyl	50	42.5	ug/L	85				72	98	
	2-Chloronaphthalene	50	43.8	ug/L	88				59	106	
	2-Nitroaniline	50	50.7	ug/L	101				58	107	
	Dimethylphthalate	50	41.8	ug/L	84				64	103	
	Acenaphthylene	50	44.5	ug/L	89				65	108	
	2,6-Dinitrotoluene	50	48.3	ug/L	97				64	110	
	3-Nitroaniline	50	29	ug/L	58				28	100	
	Acenaphthene	50	47.8	ug/L	96				59	113	
	Total PAH	800	705.4	ug/L	88				59	113	
	2,4-Dinitrophenol	100	150	ug/L	150		*		64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG041024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160074BS	4-Nitrophenol	100	100	ug/L	100				68	116		
	Dibenzofuran	50	41.6	ug/L	83				65	106		
	2,4-Dinitrotoluene	50	53.7	ug/L	107				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	102	ug/L	102				60	115		
	Diethylphthalate	50	41.1	ug/L	82				63	105		
	4-Chlorophenyl-phenylether	50	43.8	ug/L	88				61	104		
	Fluorene	50	42.9	ug/L	86				64	107		
	4-Nitroaniline	50	49.6	ug/L	99				69	112		
	4,6-Dinitro-2-methylphenol	50	58.4	ug/L	117				62	132		
	N-Nitrosodiphenylamine	50	43	ug/L	86				61	109		
	Azobenzene	50	39.8	ug/L	80				59	106		
	4-Bromophenyl-phenylether	50	48.8	ug/L	98				73	103		
	Hexachlorobenzene	50	49	ug/L	98				73	106		
	Atrazine	50	47.4	ug/L	95				76	120		
	Pentachlorophenol	100	99.3	ug/L	99				47	114		
	Phenanthrene	50	42.9	ug/L	86				62	109		
	Anthracene	50	42.9	ug/L	86				65	110		
	Carbazole	50	42.8	ug/L	86				62	106		
	Di-n-butylphthalate	50	40	ug/L	80				64	106		
	Fluoranthene	50	42.9	ug/L	86				64	110		
	Benzidine	100	27.4	ug/L	27				10	94		
	Pyrene	50	42.7	ug/L	85				71	103		
	Butylbenzylphthalate	50	42.2	ug/L	84				61	105		
	3,3-Dichlorobenzidine	50	30.2	ug/L	60				43	108		
	Benzo(a)anthracene	50	43.8	ug/L	88				62	107		
	Chrysene	50	43.1	ug/L	86				61	108		
	bis(2-Ethylhexyl)phthalate	50	38.9	ug/L	78				59	110		
	Di-n-octyl phthalate	50	41.1	ug/L	82				67	126		
	Benzo(b)fluoranthene	50	45.5	ug/L	91				77	113		
	Benzo(k)fluoranthene	50	45.2	ug/L	90				64	113		
	Benzo(a)pyrene	50	44.4	ug/L	89				72	131		
	Indeno(1,2,3-cd)pyrene	50	46.5	ug/L	93				72	105		
	Dibenz(a,h)anthracene	50	45	ug/L	90				78	115		
	Benzo(g,h,i)perylene	50	43.2	ug/L	86				75	118		
	1,2,4,5-Tetrachlorobenzene	50	46.1	ug/L	92				72	101		
	1,4-Dioxane	50	30.1	ug/L	60				38	125		
	2,3,4,6-Tetrachlorophenol	50	51.9	ug/L	104				63	116		
	1-Methylnaphthalene	50	41.4	ug/L	83				51	114		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160000BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041024

SAS No.: BG041024 SDG NO.: BG041024

Lab File ID: BG060848.D

Lab Sample ID: PB160000BL

Instrument ID: BNA_G

Date Extracted: 04/04/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/10/2024

Level: (low/med) LOW

Time Analyzed: 12:20

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

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

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160005BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041024

SAS No.: BG041024 SDG NO.: BG041024

Lab File ID: BG060847.D

Lab Sample ID: PB160005BL

Instrument ID: BNA_G

Date Extracted: 04/04/2024

Matrix: (soil/water) water

Date Analyzed: 04/10/2024

Level: (low/med) LOW

Time Analyzed: 10:18

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

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

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160074BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041024

SAS No.: BG041024 SDG NO.: BG041024

Lab File ID: BG060849.D

Lab Sample ID: PB160074BS

Instrument ID: BNA_G

Date Extracted: 04/07/2024

Matrix: (soil/water) Water

Date Analyzed: 04/10/2024

Level: (low/med) LOW

Time Analyzed: 14:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160074BS	PB160074BS	BG060849.D	04/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LAUREL-CONCRETE

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041024

SAS No.: BG041024 SDG NO.: BG041024

Lab File ID: BG060850.D

Lab Sample ID: P2027-01

Instrument ID: BNA_G

Date Extracted: 04/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/10/2024

Level: (low/med) LOW

Time Analyzed: 15:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
LAUREL-CONCRETE	P2027-01	BG060850.D	04/10/2024
PIERS-1	P2028-01	BG060851.D	04/10/2024
SU-03-04082024	P2022-01	BG060852.D	04/10/2024
SU-03-04082024MS	P2022-01MS	BG060853.D	04/10/2024
SU-03-04082024MSD	P2022-01MSD	BG060854.D	04/10/2024
OK-02-040924	P2038-01	BG060855.D	04/10/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2022-01MS		Client Sample ID: SU-03-04082024MS		DataFile: BG060853.D							
n-Nitrosodimethylamine	1100		780	ug/Kg	71				66	124	
Pyridine	1100		0	ug/Kg	0	*			45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		0	ug/Kg	0	*			10	88	
Phenol	1100		670	ug/Kg	61	*			67	126	
bis(2-Chloroethyl)ether	1100		650	ug/Kg	59	*			74	116	
2-Chlorophenol	1100		670	ug/Kg	61				61	138	
1,2-Dichlorobenzene	1100		770	ug/Kg	70				61	105	
1,3-Dichlorobenzene	1100		780	ug/Kg	71				62	101	
1,4-Dichlorobenzene	1100		760	ug/Kg	69				63	104	
Benzyl Alcohol	1100		620	ug/Kg	56				47	126	
2-Methylphenol	1100		590	ug/Kg	54	*			66	122	
2,2-oxybis(1-Chloropropane)	1100		680	ug/Kg	62				52	115	
Acetophenone	1100		740	ug/Kg	67	*			75	111	
3+4-Methylphenols	1100		560	ug/Kg	51	*			53	132	
N-Nitroso-di-n-propylamine	1100		580	ug/Kg	53	*			59	119	
Hexachloroethane	1100		700	ug/Kg	64	*			65	117	
Nitrobenzene	1100		1300	ug/Kg	118				70	119	
Isophorone	1100		680	ug/Kg	62	*			76	122	
2-Nitrophenol	1100		1500	ug/Kg	136				54	145	
2,4-Dimethylphenol	1100		0	ug/Kg	0	*			83	144	
bis(2-Chloroethoxy)methane	1100		650	ug/Kg	59	*			68	112	
2,4-Dichlorophenol	1100		750	ug/Kg	68	*			72	118	
1,2,4-Trichlorobenzene	1100		830	ug/Kg	75				57	103	
Benzoic acid	1100		1900	ug/Kg	173	*			50	104	
Naphthalene	1100		720	ug/Kg	65	*			72	110	
4-Chloroaniline	1100		0	ug/Kg	0	*			10	100	
Hexachlorobutadiene	1100		900	ug/Kg	82				66	114	
Caprolactam	1100		0	ug/Kg	0	*			51	134	
4-Chloro-3-methylphenol	1100		660	ug/Kg	60				57	132	
2-Methylnaphthalene	1100		670	ug/Kg	61				59	123	
Hexachlorocyclopentadiene	2100			ug/Kg		*			10	175	
2,4,6-Trichlorophenol	1100		750	ug/Kg	68	*			72	117	
2,4,5-Trichlorophenol	1100		700	ug/Kg	64	*			72	117	
1,1-Biphenyl	1100		710	ug/Kg	65	*			75	113	
2-Chloronaphthalene	1100		730	ug/Kg	66	*			67	118	
2-Nitroaniline	1100		1300	ug/Kg	118				69	127	
Dimethylphthalate	1100		640	ug/Kg	58	*			70	113	
Acenaphthylene	1100		730	ug/Kg	66	*			79	118	
2,6-Dinitrotoluene	1100		1300	ug/Kg	118				70	125	
3-Nitroaniline	1100		1100	ug/Kg	100				20	111	
Acenaphthene	1100		650	ug/Kg	59	*			70	121	
Total PAH	17600		11460	ug/Kg	65	*			70	121	
2,4-Dinitrophenol	2100		0	ug/Kg	0	*			16	160	
4-Nitrophenol	2100		1100	ug/Kg	52				45	133	
Dibenzofuran	1100		710	ug/Kg	65	*			72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1200	ug/Kg	109				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2500	ug/Kg	114				55	128	
Diethylphthalate	1100		630	ug/Kg	57	*			70	112	
4-Chlorophenyl-phenylether	1100		730	ug/Kg	66	*			71	108	
Fluorene	1100		730	ug/Kg	66	*			68	116	
4-Nitroaniline	1100		690	ug/Kg	63				55	120	
4,6-Dinitro-2-methylphenol	1100		1500	ug/Kg	136				32	145	
N-Nitrosodiphenylamine	1100		710	ug/Kg	65	*			73	118	
Azobenzene	1100		630	ug/Kg	57	*			73	110	
4-Bromophenyl-phenylether	1100		830	ug/Kg	75				65	121	
Hexachlorobenzene	1100		810	ug/Kg	74				67	118	
Atrazine	1100		760	ug/Kg	69	*			79	127	
Pentachlorophenol	2100		1400	ug/Kg	67				47	128	
Phenanthrene	1100		810	ug/Kg	74				72	113	
Anthracene	1100		750	ug/Kg	68				62	124	
Carbazole	1100		720	ug/Kg	65				59	119	
Di-n-butylphthalate	1100		670	ug/Kg	61	*			69	118	
Fluoranthene	1100		870	ug/Kg	79				59	125	
Benzidine	2100			ug/Kg		*			10	119	
Pyrene	1100		940	ug/Kg	85				52	128	
Butylbenzylphthalate	1100		770	ug/Kg	70				64	126	
3,3-Dichlorobenzidine	1100		0	ug/Kg	0	*			10	164	
Benzo(a)anthracene	1100		820	ug/Kg	75				71	114	
Chrysene	1100		850	ug/Kg	77				57	121	
bis(2-Ethylhexyl)phthalate	1100		730	ug/Kg	66				66	127	
Di-n-octyl phthalate	1100		710	ug/Kg	65	*			71	126	
Benzo(b)fluoranthene	1100		840	ug/Kg	76				67	121	
Benzo(k)fluoranthene	1100		840	ug/Kg	76				74	114	
Benzo(a)pyrene	1100		780	ug/Kg	71				70	142	
Indeno(1,2,3-cd)pyrene	1100		580	ug/Kg	53	*			61	125	
Dibenz(a,h)anthracene	1100		550	ug/Kg	50	*			67	130	
Benzo(g,h,i)perylene	1100		0	ug/Kg	0	*			53	140	
1,2,4,5-Tetrachlorobenzene	1100		810	ug/Kg	74				69	124	
1,4-Dioxane	1100		0	ug/Kg	0	*			46	112	
2,3,4,6-Tetrachlorophenol	1100		760	ug/Kg	69				56	133	
1-Methylnaphthalene	1100		680	ug/Kg	62	*			70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2022-01MSD		Client Sample ID: SU-03-04082024MSD		DataFile: BG060854.D							
n-Nitrosodimethylamine	1100		760	ug/Kg	69		3		66	124	20
Pyridine	1100		550	ug/Kg	50		200	*	45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		0	ug/Kg	0	*			10	88	20
Phenol	1100		740	ug/Kg	67		9		67	126	20
bis(2-Chloroethyl)ether	1100		700	ug/Kg	64	*	8		74	116	20
2-Chlorophenol	1100		750	ug/Kg	68		11		61	138	20
1,2-Dichlorobenzene	1100		780	ug/Kg	71		1		61	105	20
1,3-Dichlorobenzene	1100		840	ug/Kg	76		7		62	101	20
1,4-Dichlorobenzene	1100		820	ug/Kg	75		8		63	104	20
Benzyl Alcohol	1100		680	ug/Kg	62		10		47	126	20
2-Methylphenol	1100		660	ug/Kg	60	*	11		66	122	20
2,2-oxybis(1-Chloropropane)	1100		740	ug/Kg	67		8		52	115	20
Acetophenone	1100		840	ug/Kg	76		13		75	111	20
3+4-Methylphenols	1100		630	ug/Kg	57		11		53	132	20
N-Nitroso-di-n-propylamine	1100		630	ug/Kg	57	*	7		59	119	20
Hexachloroethane	1100		680	ug/Kg	62	*	3		65	117	20
Nitrobenzene	1100		1400	ug/Kg	127	*	7		70	119	20
Isophorone	1100		740	ug/Kg	67	*	8		76	122	20
2-Nitrophenol	1100		1500	ug/Kg	136		0		54	145	20
2,4-Dimethylphenol	1100		610	ug/Kg	55	*	200	*	83	144	20
bis(2-Chloroethoxy)methane	1100		740	ug/Kg	67	*	13		68	112	20
2,4-Dichlorophenol	1100		830	ug/Kg	75		10		72	118	20
1,2,4-Trichlorobenzene	1100		900	ug/Kg	82		9		57	103	20
Benzoic acid	1100		1800	ug/Kg	164	*	5		50	104	20
Naphthalene	1100		810	ug/Kg	74		13		72	110	20
4-Chloroaniline	1100		0	ug/Kg	0	*			10	100	20
Hexachlorobutadiene	1100		1000	ug/Kg	91		10		66	114	20
Caprolactam	1100		0	ug/Kg	0	*			51	134	20
4-Chloro-3-methylphenol	1100		730	ug/Kg	66		10		57	132	20
2-Methylnaphthalene	1100		760	ug/Kg	69		12		59	123	20
Hexachlorocyclopentadiene	2100			ug/Kg		*			10	175	20
2,4,6-Trichlorophenol	1100		870	ug/Kg	79		15		72	117	20
2,4,5-Trichlorophenol	1100		810	ug/Kg	74		14		72	117	20
1,1-Biphenyl	1100		830	ug/Kg	75		14		75	113	20
2-Chloronaphthalene	1100		830	ug/Kg	75		13		67	118	20
2-Nitroaniline	1100		1400	ug/Kg	127		7		69	127	20
Dimethylphthalate	1100		720	ug/Kg	65	*	11		70	113	20
Acenaphthylene	1100		810	ug/Kg	74	*	11		79	118	20
2,6-Dinitrotoluene	1100		1300	ug/Kg	118		0		70	125	20
3-Nitroaniline	1100		1200	ug/Kg	109		9		20	111	20
Acenaphthene	1100		750	ug/Kg	68	*	14		70	121	20
Total PAH	17600		12950	ug/Kg	74		13		70	121	20
2,4-Dinitrophenol	2100			ug/Kg		*			16	160	20
4-Nitrophenol	2100		1300	ug/Kg	62		18		45	133	20
Dibenzofuran	1100		800	ug/Kg	73		12		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1300	ug/Kg	118		8		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2600	ug/Kg	118		3		55	128	20
Diethylphthalate	1100		680	ug/Kg	62	*	8		70	112	20
4-Chlorophenyl-phenylether	1100		820	ug/Kg	75		13		71	108	20
Fluorene	1100		830	ug/Kg	75		13		68	116	20
4-Nitroaniline	1100		880	ug/Kg	80		24	*	55	120	20
4,6-Dinitro-2-methylphenol	1100		1500	ug/Kg	136		0		32	145	20
N-Nitrosodiphenylamine	1100		780	ug/Kg	71	*	9		73	118	20
Azobenzene	1100		710	ug/Kg	65	*	13		73	110	20
4-Bromophenyl-phenylether	1100		890	ug/Kg	81		8		65	121	20
Hexachlorobenzene	1100		930	ug/Kg	85		14		67	118	20
Atrazine	1100		870	ug/Kg	79		14		79	127	20
Pentachlorophenol	2100		1500	ug/Kg	71		6		47	128	20
Phenanthrene	1100		930	ug/Kg	85		14		72	113	20
Anthracene	1100		820	ug/Kg	75		10		62	124	20
Carbazole	1100		790	ug/Kg	72		10		59	119	20
Di-n-butylphthalate	1100		770	ug/Kg	70		14		69	118	20
Fluoranthene	1100		990	ug/Kg	90		13		59	125	20
Benzidine	2100			ug/Kg		*			10	119	20
Pyrene	1100		1100	ug/Kg	100		16		52	128	20
Butylbenzylphthalate	1100		830	ug/Kg	75		7		64	126	20
3,3-Dichlorobenzidine	1100		670	ug/Kg	61		200	*	10	164	20
Benzo(a)anthracene	1100		940	ug/Kg	85		13		71	114	20
Chrysene	1100		950	ug/Kg	86		11		57	121	20
bis(2-Ethylhexyl)phthalate	1100		800	ug/Kg	73		10		66	127	20
Di-n-octyl phthalate	1100		810	ug/Kg	74		13		71	126	20
Benzo(b)fluoranthene	1100		970	ug/Kg	88		15		67	121	20
Benzo(k)fluoranthene	1100		930	ug/Kg	85		11		74	114	20
Benzo(a)pyrene	1100		900	ug/Kg	82		14		70	142	20
Indeno(1,2,3-cd)pyrene	1100		640	ug/Kg	58	*	9		61	125	20
Dibenz(a,h)anthracene	1100		580	ug/Kg	53	*	6		67	130	20
Benzo(g,h,i)perylene	1100		0	ug/Kg	0	*			53	140	20
1,2,4,5-Tetrachlorobenzene	1100		930	ug/Kg	85		14		69	124	20
1,4-Dioxane	1100		0	ug/Kg	0	*			46	112	20
2,3,4,6-Tetrachlorophenol	1100		840	ug/Kg	76		10		56	133	20
1-Methylnaphthalene	1100		720	ug/Kg	65	*	5		70	130	20



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Surrogate Summary

SW-846

SDG No.: BG041024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160000BL	PB160000BL	BG060848.D	2-Fluorophenol	150	129.01	86		18	112
			Phenol-d6	150	113.14	75		15	107
			Nitrobenzene-d5	100	97.70	98		18	107
			2-Fluorobiphenyl	100	81.65	82		20	109
			2,4,6-Tribromophenol	150	174.21	116	*	10	110
			Terphenyl-d14	100	75.37	75		14	112



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Surrogate Summary

SW-846

SDG No.: BG041024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160005BL	PB160005BL	BG060847.D	2-Fluorophenol	150	123.05	82		10	139
			Phenol-d6	150	117.59	78		10	134
			Nitrobenzene-d5	100	99.13	99		49	133
			2-Fluorobiphenyl	100	84.75	85		52	132
			2,4,6-Tribromophenol	150	176.60	118		32	145
			Terphenyl-d14	100	75.68	76		36	145



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Surrogate Summary

SW-846

SDG No.: BG041024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160074BS	PB160074BS	BG060849.D	2-Fluorophenol	150	132.26	88		10	139
			Phenol-d6	150	125.61	84		10	134
			Nitrobenzene-d5	100	99.91	100		49	133
			2-Fluorobiphenyl	100	82.17	82		52	132
			2,4,6-Tribromophenol	150	167.53	112		32	145
			Terphenyl-d14	100	82.06	82		36	145

Surrogate Summary

SW-846

SDG No.: **BG041024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2022-01	SU-03-04082024	BG060852.D	2-Fluorophenol	150	80.69	54		18	112
			Phenol-d6	150	74.90	50		15	107
			Nitrobenzene-d5	100	65.42	65		18	107
			2-Fluorobiphenyl	100	60.21	60		20	109
			2,4,6-Tribromophenol	150	101.12	67		10	110
			Terphenyl-d14	100	60.36	60		14	112
P2022-01MS	SU-03-04082024M	BG060853.D	2-Fluorophenol	150	77.12	51		18	112
			Phenol-d6	150	71.92	48		15	107
			Nitrobenzene-d5	100	61.92	62		18	107
			2-Fluorobiphenyl	100	54.32	54		20	109
			2,4,6-Tribromophenol	150	93.49	62		10	110
			Terphenyl-d14	100	53.88	54		14	112
P2022-01MSD	SU-03-04082024M	BG060854.D	2-Fluorophenol	150	81.97	55		18	112
			Phenol-d6	150	76.11	51		15	107
			Nitrobenzene-d5	100	71.03	71		18	107
			2-Fluorobiphenyl	100	62.61	63		20	109
			2,4,6-Tribromophenol	150	108.16	72		10	110
			Terphenyl-d14	100	60.82	61		14	112
P2027-01	LAUREL-CONCRIB	BG060850.D	2-Fluorophenol	150	62.39	42		18	112
			Phenol-d6	150	59.78	40		15	107
			Nitrobenzene-d5	100	54.65	55		18	107
			2-Fluorobiphenyl	100	48.35	48		20	109
			2,4,6-Tribromophenol	150	69.70	46		10	110
			Terphenyl-d14	100	49.42	49		14	112
P2028-01	PIERS-1	BG060851.D	2-Fluorophenol	150	34.05	23		18	112
			Phenol-d6	150	41.14	27		15	107
			Nitrobenzene-d5	100	44.75	45		18	107
			2-Fluorobiphenyl	100	39.37	39		20	109
			2,4,6-Tribromophenol	150	29.37	20		10	110
			Terphenyl-d14	100	40.87	41		14	112
P2038-01	OK-02-040924	BG060855.D	2-Fluorophenol	150	88.60	59		18	112
			Phenol-d6	150	83.23	55		15	107
			Nitrobenzene-d5	100	70.09	70		18	107
			2-Fluorobiphenyl	100	65.13	65		20	109
			2,4,6-Tribromophenol	150	113.60	76		10	110
			Terphenyl-d14	100	63.97	64		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG041024

Lab Code: CHEM

SAS No.: BG041024

SDG NO.: BG041024

Lab File ID: BG060845.D

DFTPP Injection Date: 04/10/2024

Instrument ID: BNA_G

DFTPP Injection Time: 08:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	39.6
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	6.9
275	10.0 - 60.0% of mass 198	30.6
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	93
443	15.0 - 24.0% of mass 442	17.5 (18.8) 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	BG060846.D	04/10/2024	09:36
PB160005BL	PB160005BL	BG060847.D	04/10/2024	10:18
PB160000BL	PB160000BL	BG060848.D	04/10/2024	12:20
PB160074BS	PB160074BS	BG060849.D	04/10/2024	14:00
LAUREL-CONCRETE	P2027-01	BG060850.D	04/10/2024	15:10
PIERS-1	P2028-01	BG060851.D	04/10/2024	15:50
SU-03-04082024	P2022-01	BG060852.D	04/10/2024	16:31
SU-03-04082024MS	P2022-01MS	BG060853.D	04/10/2024	17:12
SU-03-04082024MSD	P2022-01MSD	BG060854.D	04/10/2024	17:53
OK-02-040924	P2038-01	BG060855.D	04/10/2024	18:34