

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG040824 SAS No.: BG040824 SDG No.: BG040824
Instrument ID: BNA_G Calibration Date/Time: 4/8/2024 12:11:04
Lab File ID: BG060820.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	0.960		8.23	
Pyridine	1.485	1.528		2.896	
2-Fluorophenol	1.201	1.127		-6.162	
Benzaldehyde	0.983	0.822		-16.378	
Aniline	2.250	1.960		-12.889	
Phenol-d6	1.782	1.591		-10.718	
Phenol	1.819	1.657		-8.906	20.0
bis(2-Chloroethyl)ether	1.468	1.274		-13.215	
2-Chlorophenol	1.361	1.257		-7.641	
1,2-Dichlorobenzene	1.415	1.353		-4.382	
1,3-Dichlorobenzene	1.415	1.363		-3.675	
1,4-Dichlorobenzene	1.444	1.381		-4.363	20.0
Benzyl Alcohol	1.444	1.287		-10.873	
2-Methylphenol	1.373	1.235		-10.051	
2,2-oxybis(1-Chloropropane)	3.314	2.901		-12.462	
Acetophenone	0.551	0.541		-1.815	
3+4-Methylphenols	1.880	1.669		-11.223	
n-Nitroso-di-n-propylamine	1.359	1.164	0.050	-14.349	
Nitrobenzene-d5	0.350	0.389		11.143	
Hexachloroethane	0.513	0.492		-4.094	
Nitrobenzene	0.352	0.398		13.068	
Isophorone	0.807	0.751		-6.939	
2-Nitrophenol	0.120	0.146		21.667	20.0
2,4-Dimethylphenol	0.324	0.313		-3.395	
bis(2-Chloroethoxy)methane	0.477	0.447		-6.289	
2,4-Dichlorophenol	0.298	0.319		7.047	20.0
1,2,4-Trichlorobenzene	0.337	0.356		5.638	
Benzoic acid	0.191	0.222		16.23	
Naphthalene	1.082	1.067		-1.386	
4-Chloroaniline	0.503	0.486		-3.38	
Hexachlorobutadiene	0.225	0.251		11.556	20.0
Caprolactam	0.118	0.115		-2.542	
4-Chloro-3-methylphenol	0.380	0.381		0.263	20.0
2-Methylnaphthalene	0.795	0.763		-4.025	
Hexachlorocyclopentadiene	0.292	0.315	0.050	7.877	
2,4,6-Trichlorophenol	0.370	0.408		10.27	20.0
2-Fluorobiphenyl	1.363	1.372		0.66	
2,4,5-Trichlorophenol	0.442	0.481		8.824	
1,1-Biphenyl	1.413	1.374		-2.76	

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Lab File ID: BG060820.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	1.071		-0.186	
2-Nitroaniline	0.307	0.373		21.498	
Dimethylphthalate	1.581	1.516		-4.111	
Acenaphthylene	1.803	1.766		-2.052	
2,6-Dinitrotoluene	0.247	0.281		13.765	
3-Nitroaniline	0.277	0.308		11.191	
Acenaphthene	1.132	1.126		-0.53	20.0
2,4-Dinitrophenol	0.110	0.140	0.050	27.273	
4-Nitrophenol	0.231	0.258	0.050	11.688	
Dibenzofuran	1.786	1.742		-2.464	
2,4-Dinitrotoluene	0.320	0.389		21.563	
Diethylphthalate	1.590	1.494		-6.038	
4-Chlorophenyl-phenylether	0.758	0.765		0.923	
Fluorene	1.433	1.418		-1.047	
4-Nitroaniline	0.289	0.336		16.263	
4,6-Dinitro-2-methylphenol	0.073	0.089		21.918	
n-Nitrosodiphenylamine	0.572	0.556		-2.797	20.0
Azobenzene	1.550	1.452		-6.323	
2,4,6-Tribromophenol	0.227	0.280		23.348	
4-Bromophenyl-phenylether	0.203	0.223		9.852	
Hexachlorobenzene	0.229	0.236		3.057	
Atrazine	0.200	0.202		1.0	
Pentachlorophenol	0.150	0.166		10.667	20.0
Phenanthrene	1.040	1.012		-2.692	
Anthracene	1.056	1.051		-0.473	
Carbazole	0.931	0.919		-1.289	
Di-n-butylphthalate	1.161	1.106		-4.737	
Fluoranthene	1.262	1.278		1.268	20.0
Benzidine	0.527	0.547		3.795	
Pyrene	1.399	1.367		-2.287	
Terphenyl-d14	1.136	1.111		-2.201	
Butylbenzylphthalate	0.510	0.497		-2.549	
3,3-Dichlorobenzidine	0.476	0.502		5.462	
Benzo(a)anthracene	1.410	1.391		-1.348	
Chrysene	1.359	1.334		-1.84	
Bis(2-ethylhexyl)phthalate	0.813	0.752		-7.503	
Di-n-octyl phthalate	1.325	1.283		-3.17	20.0
Benzo(b)fluoranthene	1.149	1.104		-3.916	
Benzo(k)fluoranthene	1.176	1.160		-1.361	

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Instrument ID: BNA_G Calibration Date/Time: 4/8/2024 12:11:04

Lab File ID: BG060820.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	1.102		-1.343	20.0
Indeno(1,2,3-cd)pyrene	1.408	1.375		-2.344	
Dibenzo(a,h)anthracene	1.187	1.155		-2.696	
Benzo(g,h,i)perylene	1.155	1.122		-2.857	
1,2,4,5-Tetrachlorobenzene	0.575	0.619		7.652	
1,4-Dioxane	0.492	0.514		4.472	20.0
2,3,4,6-Tetrachlorophenol	0.385	0.419		8.831	
1-Methylnaphthalene	0.751	0.738		-1.731	

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.:	BG040824
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
BG060821.D	1	4/4/2024 12:00:00 AM	4/8/2024 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.:	BG040824
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
BG060821.D	1	4/4/2024 12:00:00 AM	4/8/2024 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.:	BG040824
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
BG060821.D	1	4/4/2024 12:00:00 AM	4/8/2024 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	66.067		10-139		44	SPK: -150
13127-88-3	Phenol-d6	59.358		10-134		40	SPK: -150
4165-60-0	Nitrobenzene-d5	47.074	*	49-133		47	SPK: -100
321-60-8	2-Fluorobiphenyl	43.29	*	52-132		43	SPK: -100

Report of Analysis

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Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB160005BL	SDG No.:	BG040824
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
BG060821.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	86.562		32-145		58	SPK: -150
1718-51-0	Terphenyl-d14	44.184		36-145		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47477	7.952				
1146-65-2	Naphthalene-d8	181234	10.749				
15067-26-2	Acenaphthene-d10	144538	14.579				
1517-22-2	Phenanthrene-d10	400212	17.329				
1719-03-5	Chrysene-d12	433492	21.589				
1520-96-3	Perylene-d12	515077	24.721				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.3	J			3.169	

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:	PB160005BS	SDG No.:	BG040824
Lab Sample ID:	PB160005BS	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
BG060822.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.5		1	8	10	ug/L
110-86-1	Pyridine	32.4		1.6	4	5	ug/L
100-52-7	Benzaldehyde	7.1	J	4	8	10	ug/L
62-53-3	Aniline	25.7		1.6	4	5	ug/L
108-95-2	Phenol	45.8		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.4		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.8		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.4		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.6		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43.7		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.2		1.4	4	5	ug/L
98-86-2	Acetophenone	44.7		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.6		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.9		1	4	5	ug/L
98-95-3	Nitrobenzene	46.2		1.3	4	5	ug/L
78-59-1	Isophorone	43.4		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	52.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	53.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	49.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	51.1		5.5	8	10	ug/L
91-20-3	Naphthalene	44.3		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.7		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	50		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:	PB160005BS	SDG No.:	BG040824
Lab Sample ID:	PB160005BS	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
BG060822.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	46.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	49.6		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.5		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	45		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.8		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.8		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	27.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	48.1		0.81	4	5	ug/L
Total PAH	Total PAH	724.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	140	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43.1		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	97.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	50.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	41.7		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.4		0.98	4	5	ug/L
86-73-7	Fluorene	43.8		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	49.8		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.4		0.89	4	5	ug/L
103-33-3	Azobenzene	41.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	47.6		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	49.4		1.1	4	5	ug/L
1912-24-9	Atrazine	47.6		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:	PB160005BS	SDG No.:	BG040824
Lab Sample ID:	PB160005BS	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
BG060822.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43.6		0.89	4	5	ug/L
120-12-7	Anthracene	44.1		1.1	4	5	ug/L
86-74-8	Carbazole	43.6		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	41.1		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.6		1.3	4	5	ug/L
92-87-5	Benzidine	31		4.1	8	10	ug/L
129-00-0	Pyrene	43.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.8		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	31		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45		0.94	4	5	ug/L
218-01-9	Chrysene	44.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40.4		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	43.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.4		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.7		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.3		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	36.7		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	43.3		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	135.844		10-139		91	SPK: -150
13127-88-3	Phenol-d6	126.218		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	96.237		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	82.747		52-132		83	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:	PB160005BS	SDG No.:	BG040824
Lab Sample ID:	PB160005BS	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
BG060822.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	159.59		32-145		106	SPK: -150
1718-51-0	Terphenyl-d14	81.806		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54149	7.946				
1146-65-2	Naphthalene-d8	226170	10.749				
15067-26-2	Acenaphthene-d10	184875	14.58				
1517-22-2	Phenanthrene-d10	438547	17.33				
1719-03-5	Chrysene-d12	412322	21.589				
1520-96-3	Perylene-d12	470049	24.727				

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:	PB159972TB	SDG No.:	BG040824
Lab Sample ID:	PB159972TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060823.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

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

Report of Analysis

Client:		Date Collected:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB159972TB	SDG No.:	BG040824
Lab Sample ID:	PB159972TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060823.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

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

Report of Analysis

Client:		Date Collected:	4/4/2024 12:00:00 AM
Project:		Date Received:	4/4/2024 12:00:00 AM
Client Sample ID:	PB159972TB	SDG No.:	BG040824
Lab Sample ID:	PB159972TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060823.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.786		10-139		85	SPK: -150
13127-88-3	Phenol-d6	115.875		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	98.71		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	83.357		52-132		83	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:	PB159972TB	SDG No.:	BG040824
Lab Sample ID:	PB159972TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060823.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160005

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	178.318		32-145		119	SPK: -150
1718-51-0	Terphenyl-d14	82.592		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50473	7.953				
1146-65-2	Naphthalene-d8	187995	10.743				
15067-26-2	Acenaphthene-d10	153118	14.58				
1517-22-2	Phenanthrene-d10	418878	17.324				
1719-03-5	Chrysene-d12	429602	21.584				
1520-96-3	Perylene-d12	496930	24.721				

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BL	SDG No.:	BG040824
Lab Sample ID:	PB160037BL	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
BG060824.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

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:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BL	SDG No.:	BG040824
Lab Sample ID:	PB160037BL	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
BG060824.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

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

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BL	SDG No.:	BG040824
Lab Sample ID:	PB160037BL	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
BG060824.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

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	131.618		10-139		88	SPK: -150
13127-88-3	Phenol-d6	117.588		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	98.861		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	84.763		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BL	SDG No.:	BG040824
Lab Sample ID:	PB160037BL	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
BG060824.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	178.63		32-145		119	SPK: -150
1718-51-0	Terphenyl-d14	81.777		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44432	7.948				
1146-65-2	Naphthalene-d8	171587	10.744				
15067-26-2	Acenaphthene-d10	135889	14.581				
1517-22-2	Phenanthrene-d10	377003	17.325				
1719-03-5	Chrysene-d12	410816	21.585				
1520-96-3	Perylene-d12	470833	24.722				
TENTATIVE IDENTIFIED COMPOUNDS							
000110-82-7	Cyclohexane	3.8	J			3.089	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	15.8	A			5.069	

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BS	SDG No.:	BG040824
Lab Sample ID:	PB160037BS	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
BG060825.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.6		1	8	10	ug/L
110-86-1	Pyridine	28.6		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	20		1.6	4	5	ug/L
108-95-2	Phenol	43.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	39.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	45.9		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.4		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.7		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	42.4		1.6	8	10	ug/L
95-48-7	2-Methylphenol	42		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.8		1.4	4	5	ug/L
98-86-2	Acetophenone	46.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	41.5		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37.7		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.6		1	4	5	ug/L
98-95-3	Nitrobenzene	46.9		1.3	4	5	ug/L
78-59-1	Isophorone	43.6		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	53.4		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	41.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	52.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	52.3		5.5	8	10	ug/L
91-20-3	Naphthalene	43.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	12.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	49.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BS	SDG No.:	BG040824
Lab Sample ID:	PB160037BS	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
BG060825.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47.8		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.4		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	48.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	45.2		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.3		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.1		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.6		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	25.9		1.4	4	5	ug/L
83-32-9	Acenaphthene	51.3		0.81	4	5	ug/L
Total PAH	Total PAH	735.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	160	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	103.2		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	53.8		1.5	4	5	ug/L
84-66-2	Diethylphthalate	43.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.1		0.98	4	5	ug/L
86-73-7	Fluorene	45.7		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	52.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.2		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.3		0.89	4	5	ug/L
103-33-3	Azobenzene	42.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	47.9		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	49		1.1	4	5	ug/L
1912-24-9	Atrazine	47.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BS	SDG No.:	BG040824
Lab Sample ID:	PB160037BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060825.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.7		0.89	4	5	ug/L
120-12-7	Anthracene	43.7		1.1	4	5	ug/L
86-74-8	Carbazole	44.5		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	42.1		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.4		1.3	4	5	ug/L
92-87-5	Benzidine	18.8		4.1	8	10	ug/L
129-00-0	Pyrene	44.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	44.4		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.8		0.94	4	5	ug/L
218-01-9	Chrysene	43.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41.2		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	44.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.7		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.1		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.9		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	54.2		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.5		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.655		10-139		88	SPK: -150
13127-88-3	Phenol-d6	120.564		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	101.504		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	87.353		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160037BS	SDG No.:	BG040824
Lab Sample ID:	PB160037BS	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
BG060825.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	174.125		32-145		116	SPK: -150
1718-51-0	Terphenyl-d14	84.607		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59162	7.95				
1146-65-2	Naphthalene-d8	236369	10.746				
15067-26-2	Acenaphthene-d10	184007	14.577				
1517-22-2	Phenanthrene-d10	458778	17.327				
1719-03-5	Chrysene-d12	436726	21.593				
1520-96-3	Perylene-d12	485378	24.724				

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160020TB	SDG No.:	BG040824
Lab Sample ID:	PB160020TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060826.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

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

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160020TB	SDG No.:	BG040824
Lab Sample ID:	PB160020TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060826.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

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

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160020TB	SDG No.:	BG040824
Lab Sample ID:	PB160020TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060826.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.287		10-139		86	SPK: -150
13127-88-3	Phenol-d6	116.992		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	101.341		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	82.797		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160020TB	SDG No.:	BG040824
Lab Sample ID:	PB160020TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060826.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160037

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	181.196		32-145		121	SPK: -150
1718-51-0	Terphenyl-d14	82.964		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50213	7.95				
1146-65-2	Naphthalene-d8	188204	10.741				
15067-26-2	Acenaphthene-d10	155263	14.578				
1517-22-2	Phenanthrene-d10	422219	17.327				
1719-03-5	Chrysene-d12	427987	21.587				
1520-96-3	Perylene-d12	502050	24.719				

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160028BS	SDG No.:	BG040824
Lab Sample ID:	PB160028BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060827.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		86.7	270	330	ug/Kg
110-86-1	Pyridine	1100		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	450		180	270	330	ug/Kg
62-53-3	Aniline	830		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1800		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	540		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1700		83.2	130	170	ug/Kg



Client:				Date Collected:	4/5/2024 12:00:00 AM	
Project:				Date Received:	4/5/2024 12:00:00 AM	
Client Sample ID:	PB160028BS			SDG No.:	BG040824	
Lab Sample ID:	PB160028BS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060827.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	970		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81	130	170	ug/Kg
Total PAH	Total PAH	24900		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	5200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3500		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1800		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160028BS	SDG No.:	BG040824
Lab Sample ID:	PB160028BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060827.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3500	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	145.126		18-112		97	SPK: -150
13127-88-3	Phenol-d6	134.136		15-107		89	SPK: -150
4165-60-0	Nitrobenzene-d5	102.043		18-107		102	SPK: -100
321-60-8	2-Fluorobiphenyl	85.751		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160028BS	SDG No.:	BG040824
Lab Sample ID:	PB160028BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060827.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	176.41	*	10-110		118	SPK: -150
1718-51-0	Terphenyl-d14	87.44		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51158	7.95				
1146-65-2	Naphthalene-d8	221568	10.747				
15067-26-2	Acenaphthene-d10	173046	14.578				
1517-22-2	Phenanthrene-d10	426343	17.327				
1719-03-5	Chrysene-d12	395594	21.593				
1520-96-3	Perylene-d12	458296	24.725				

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BL	SDG No.:	BG040824
Lab Sample ID:	PB160030BL	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
BG060828.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

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:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BL	SDG No.:	BG040824
Lab Sample ID:	PB160030BL	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
BG060828.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

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

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BL	SDG No.:	BG040824
Lab Sample ID:	PB160030BL	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
BG060828.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

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	121.815		10-139		81	SPK: -150
13127-88-3	Phenol-d6	108.641		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	102.039		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	84.862		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BL	SDG No.:	BG040824
Lab Sample ID:	PB160030BL	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
BG060828.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	185.316		32-145		124	SPK: -150
1718-51-0	Terphenyl-d14	81.464		36-145		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50590	7.946				
1146-65-2	Naphthalene-d8	180740	10.743				
15067-26-2	Acenaphthene-d10	142552	14.574				
1517-22-2	Phenanthrene-d10	400890	17.324				
1719-03-5	Chrysene-d12	426004	21.583				
1520-96-3	Perylene-d12	498046	24.715				
TENTATIVE IDENTIFIED COMPOUNDS							
000110-82-7	Cyclohexane	3.8	J			3.087	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	16.1	A			5.067	

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BS	SDG No.:	BG040824
Lab Sample ID:	PB160030BS	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
BG060829.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.9		1	8	10	ug/L
110-86-1	Pyridine	30.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	5.9	J	4	8	10	ug/L
62-53-3	Aniline	16		1.6	4	5	ug/L
108-95-2	Phenol	45.7		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.5		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.2		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.4		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.8		1.4	4	5	ug/L
98-86-2	Acetophenone	46.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.8		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.9		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.8		1	4	5	ug/L
98-95-3	Nitrobenzene	48.1		1.3	4	5	ug/L
78-59-1	Isophorone	44		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	57.4		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	41.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.2		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	55.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	49.3		1.1	4	5	ug/L
65-85-0	Benzoic acid	56.3		5.5	8	10	ug/L
91-20-3	Naphthalene	44.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	14		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	51.6		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BS	SDG No.:	BG040824
Lab Sample ID:	PB160030BS	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
BG060829.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	48.1		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	54.8		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	51		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.9		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	53		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.2		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47.8		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	51.9		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	30.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	52.4		0.81	4	5	ug/L
Total PAH	Total PAH	744.2		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	170	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	120	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	107.9		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	56		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.7		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.6		0.98	4	5	ug/L
86-73-7	Fluorene	46.2		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	53.9		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	58.2		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.1		0.89	4	5	ug/L
103-33-3	Azobenzene	43.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.3		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	49		1.1	4	5	ug/L
1912-24-9	Atrazine	40.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BS	SDG No.:	BG040824
Lab Sample ID:	PB160030BS	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
BG060829.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.1		0.89	4	5	ug/L
120-12-7	Anthracene	44		1.1	4	5	ug/L
86-74-8	Carbazole	44.7		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	42.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	45		1.3	4	5	ug/L
92-87-5	Benzidine	28.5		4.1	8	10	ug/L
129-00-0	Pyrene	43.9		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	45.4		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	35.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.7		0.94	4	5	ug/L
218-01-9	Chrysene	44.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.1		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	44.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47.7		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	46.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.1		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.5		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	56.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.9		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	136.793		10-139		91	SPK: -150
13127-88-3	Phenol-d6	125.811		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	103.781		49-133		104	SPK: -100
321-60-8	2-Fluorobiphenyl	86.881		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BS	SDG No.:	BG040824
Lab Sample ID:	PB160030BS	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
BG060829.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	178.075		32-145		119	SPK: -150
1718-51-0	Terphenyl-d14	83.056		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58136	7.95				
1146-65-2	Naphthalene-d8	235601	10.747				
15067-26-2	Acenaphthene-d10	181851	14.578				
1517-22-2	Phenanthrene-d10	461015	17.327				
1719-03-5	Chrysene-d12	443589	21.593				
1520-96-3	Perylene-d12	499436	24.719				

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BSD	SDG No.:	BG040824
Lab Sample ID:	PB160030BSD	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
BG060830.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.1		1	8	10	ug/L
110-86-1	Pyridine	28.8		1.6	4	5	ug/L
100-52-7	Benzaldehyde	6	J	4	8	10	ug/L
62-53-3	Aniline	15.8		1.6	4	5	ug/L
108-95-2	Phenol	44.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	37		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	46.7		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.9		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.4		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	43.7		1.6	8	10	ug/L
95-48-7	2-Methylphenol	42.9		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.8		1.4	4	5	ug/L
98-86-2	Acetophenone	44.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43.1		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.5		1	4	5	ug/L
98-95-3	Nitrobenzene	46.8		1.3	4	5	ug/L
78-59-1	Isophorone	43.4		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	55.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	39.6		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	53.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.6		1.1	4	5	ug/L
65-85-0	Benzoic acid	53.7		5.5	8	10	ug/L
91-20-3	Naphthalene	43.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	14		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	50.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BSD	SDG No.:	BG040824
Lab Sample ID:	PB160030BSD	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
BG060830.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	45.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	49.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	100	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	48.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	42.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	50.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.6		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	30.4		1.4	4	5	ug/L
83-32-9	Acenaphthene	49.6		0.81	4	5	ug/L
Total PAH	Total PAH	726.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	160	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43.4		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	103.7		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	54.1		1.5	4	5	ug/L
84-66-2	Diethylphthalate	42.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.8		0.98	4	5	ug/L
86-73-7	Fluorene	43.9		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	51.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.8		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.8		0.89	4	5	ug/L
103-33-3	Azobenzene	41.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	49		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	49.4		1.1	4	5	ug/L
1912-24-9	Atrazine	38		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BSD	SDG No.:	BG040824
Lab Sample ID:	PB160030BSD	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
BG060830.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43		0.89	4	5	ug/L
120-12-7	Anthracene	43.1		1.1	4	5	ug/L
86-74-8	Carbazole	43.3		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	41		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.5		1.3	4	5	ug/L
92-87-5	Benzidine	32.8		4.1	8	10	ug/L
129-00-0	Pyrene	44		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	44.5		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.5		0.94	4	5	ug/L
218-01-9	Chrysene	43.6		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41.1		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47.7		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.4		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.7		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	46		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	32.9		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.4		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	42.9		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.726		10-139		89	SPK: -150
13127-88-3	Phenol-d6	123.677		10-134		82	SPK: -150
4165-60-0	Nitrobenzene-d5	100.968		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	83.007		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	4/5/2024 12:00:00 AM
Project:		Date Received:	4/5/2024 12:00:00 AM
Client Sample ID:	PB160030BSD	SDG No.:	BG040824
Lab Sample ID:	PB160030BSD	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
BG060830.D	1	4/5/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	168.682		32-145		112	SPK: -150
1718-51-0	Terphenyl-d14	83.482		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58997	7.947				
1146-65-2	Naphthalene-d8	243786	10.744				
15067-26-2	Acenaphthene-d10	194964	14.581				
1517-22-2	Phenanthrene-d10	470748	17.325				
1719-03-5	Chrysene-d12	433148	21.59				
1520-96-3	Perylene-d12	484134	24.722				



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.:	BG040824	
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
BG060831.D	1	4/4/2024 12:00:00 AM	4/8/2024 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

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.:	BG040824
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
BG060831.D	1	4/4/2024 12:00:00 AM	4/8/2024 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
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg



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.:	BG040824	
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
BG060831.D	1	4/4/2024 12:00:00 AM	4/8/2024 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	126.52		18-112		84	SPK: -150
13127-88-3	Phenol-d6	115.868		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	97.613		18-107		98	SPK: -100
321-60-8	2-Fluorobiphenyl	81.17		20-109		81	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.:	BG040824
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
BG060831.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160000

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	178.378	*	10-110		119	SPK: -150
1718-51-0	Terphenyl-d14	76.031		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63302	7.948				
1146-65-2	Naphthalene-d8	245074	10.745				
15067-26-2	Acenaphthene-d10	195426	14.576				
1517-22-2	Phenanthrene-d10	548987	17.326				
1719-03-5	Chrysene-d12	561026	21.585				
1520-96-3	Perylene-d12	645157	24.717				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.069	
000544-76-3	Hexadecane	96.3	J			23.906	
055401-55-3	Docosane, 11-decyl-	140	J			24.852	
000630-02-4	Octacosane	130	J			25.968	
007225-64-1	Heptadecane, 9-octyl-	160	J			27.308	
001560-84-5	Eicosane, 2-methyl-	120	J			28.941	
001560-92-5	Hexadecane, 2-methyl-	96.6	J			30.898	

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:	PB160000BS			SDG No.:	BG040824		
Lab Sample ID:	PB160000BS			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060832.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160000

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.7	270	330	ug/Kg
110-86-1	Pyridine	1100		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	360		180	270	330	ug/Kg
62-53-3	Aniline	780		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1700		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	480		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	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:	PB160000BS	SDG No.:	BG040824
Lab Sample ID:	PB160000BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060832.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160000

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	900		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1600		81	130	170	ug/Kg
Total PAH	Total PAH	23300		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	5200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	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:	PB160000BS	SDG No.:	BG040824
Lab Sample ID:	PB160000BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060832.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160000

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3300	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1400		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	960		160	270	330	ug/Kg
129-00-0	Pyrene	1400		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1400		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	137.773		18-112		92	SPK: -150
13127-88-3	Phenol-d6	126.384		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	98.203		18-107		98	SPK: -100
321-60-8	2-Fluorobiphenyl	80.898		20-109		81	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:	PB160000BS	SDG No.:	BG040824
Lab Sample ID:	PB160000BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060832.D	1	4/4/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160000

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	165.929	*	10-110		111	SPK: -150
1718-51-0	Terphenyl-d14	82.79		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55731	7.949				
1146-65-2	Naphthalene-d8	236439	10.745				
15067-26-2	Acenaphthene-d10	190328	14.576				
1517-22-2	Phenanthrene-d10	463189	17.326				
1719-03-5	Chrysene-d12	423110	21.591				
1520-96-3	Perylene-d12	492738	24.717				

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.:	BG040824
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
BG060833.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.3		1	8	10	ug/L
110-86-1	Pyridine	32		1.6	4	5	ug/L
100-52-7	Benzaldehyde	11.8		4	8	10	ug/L
62-53-3	Aniline	22.9		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	38.9		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.4		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.2		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	43.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	42.7		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.1		1.4	4	5	ug/L
98-86-2	Acetophenone	43.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.8		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.4		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.6		1	4	5	ug/L
98-95-3	Nitrobenzene	45.9		1.3	4	5	ug/L
78-59-1	Isophorone	41.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	54.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	36.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	52.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.9		1.1	4	5	ug/L
65-85-0	Benzoic acid	53.6		5.5	8	10	ug/L
91-20-3	Naphthalene	42.6		1	4	5	ug/L
106-47-8	4-Chloroaniline	16		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	49.9		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.:	BG040824
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
BG060833.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	46.2		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.9		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.5		1	4	5	ug/L
92-52-4	1,1-Biphenyl	42.4		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.3		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51.4		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.4		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.3		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.4		1.4	4	5	ug/L
83-32-9	Acenaphthene	49.9		0.81	4	5	ug/L
Total PAH	Total PAH	715.3		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	170	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	42.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	40.1		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	54.8		1.5	4	5	ug/L
84-66-2	Diethylphthalate	42.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.1		0.98	4	5	ug/L
86-73-7	Fluorene	43.8		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	52.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	60.5		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41.8		0.89	4	5	ug/L
103-33-3	Azobenzene	42.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	47.6		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	47.8		1.1	4	5	ug/L
1912-24-9	Atrazine	47.8		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.:	BG040824
Lab Sample ID:	PB160074BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060833.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43.2		0.89	4	5	ug/L
120-12-7	Anthracene	43.3		1.1	4	5	ug/L
86-74-8	Carbazole	43.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	41.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	44		1.3	4	5	ug/L
92-87-5	Benzidine	29.8		4.1	8	10	ug/L
129-00-0	Pyrene	42.7		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	43		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.3		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.3		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	40.2		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	42.9		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.4		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.2		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.7		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.7		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.7		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134.603		10-139		90	SPK: -150
13127-88-3	Phenol-d6	123.808		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	99.685		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	81.564		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.:	BG040824
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
BG060833.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	170.793		32-145		114	SPK: -150
1718-51-0	Terphenyl-d14	81.768		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52202	7.948				
1146-65-2	Naphthalene-d8	219008	10.745				
15067-26-2	Acenaphthene-d10	175547	14.576				
1517-22-2	Phenanthrene-d10	439729	17.326				
1719-03-5	Chrysene-d12	424934	21.591				
1520-96-3	Perylene-d12	485852	24.717				

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:	PB160074BSD	SDG No.:	BG040824
Lab Sample ID:	PB160074BSD	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
BG060834.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.8		1	8	10	ug/L
110-86-1	Pyridine	33.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	11.2		4	8	10	ug/L
62-53-3	Aniline	23.5		1.6	4	5	ug/L
108-95-2	Phenol	48.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	50.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	47.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	47		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.9		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44.3		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.2		1.4	4	5	ug/L
98-86-2	Acetophenone	45.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	44.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.3		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	48.2		1	4	5	ug/L
98-95-3	Nitrobenzene	48.1		1.3	4	5	ug/L
78-59-1	Isophorone	41.9		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	56.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	54.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	50		1.1	4	5	ug/L
65-85-0	Benzoic acid	56		5.5	8	10	ug/L
91-20-3	Naphthalene	44.1		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.9		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	51.5		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:	PB160074BSD	SDG No.:	BG040824
Lab Sample ID:	PB160074BSD	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
BG060834.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	48.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	49.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	53.5		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	50		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	45.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	55.3		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	51.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	51.8		0.81	4	5	ug/L
Total PAH	Total PAH	747.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	170	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	120	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.4		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.7		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	57		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.4		0.98	4	5	ug/L
86-73-7	Fluorene	46		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	55.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	62.5		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.7		0.89	4	5	ug/L
103-33-3	Azobenzene	43.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	49.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	50.9		1.1	4	5	ug/L
1912-24-9	Atrazine	49.5		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:	PB160074BSD	SDG No.:	BG040824
Lab Sample ID:	PB160074BSD	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
BG060834.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.6		0.89	4	5	ug/L
120-12-7	Anthracene	45.4		1.1	4	5	ug/L
86-74-8	Carbazole	45.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	42.9		1.5	4	5	ug/L
206-44-0	Fluoranthene	45.9		1.3	4	5	ug/L
92-87-5	Benzidine	30		4.1	8	10	ug/L
129-00-0	Pyrene	44.7		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	45.3		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	32.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46		0.94	4	5	ug/L
218-01-9	Chrysene	45.6		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	45		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45.9		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.5		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	37.4		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	55.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	142.806		10-139		95	SPK: -150
13127-88-3	Phenol-d6	131.587		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	102.635		49-133		103	SPK: -100
321-60-8	2-Fluorobiphenyl	85.932		52-132		86	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:	PB160074BSD	SDG No.:	BG040824
Lab Sample ID:	PB160074BSD	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
BG060834.D	1	4/7/2024 12:00:00 AM	4/8/2024 12:00:00 AM	PB160074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	180.285		32-145		120	SPK: -150
1718-51-0	Terphenyl-d14	84.927		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52969	7.949				
1146-65-2	Naphthalene-d8	228087	10.746				
15067-26-2	Acenaphthene-d10	180046	14.577				
1517-22-2	Phenanthrene-d10	448725	17.327				
1719-03-5	Chrysene-d12	432087	21.586				
1520-96-3	Perylene-d12	495684	24.712				



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

Hit Summary Sheet
SW-846

SDG No.: BG040824

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:



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.: BG040824 SAS No.: BG040824 SDG NO.: BG040824

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 8 2024 12:00AM

Lab File ID: BG060703.D Time Analyzed: 11:48

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	47477	7.95	181234	10.75	144538	14.58
02 PB160005BS	54149	7.95	226170	10.75	184875	14.58
03 PB159972TB	50473	7.95	187995	10.74	153118	14.58
04 PB160037BL	44432	7.95	171587	10.74	135889	14.58
05 PB160037BS	59162	7.95	236369	10.75	184007	14.58
06 PB160020TB	50213	7.95	188204	10.74	155263	14.58
07 PB160028BS	51158	7.95	221568	10.75	173046	14.58
08 PB160030BL	50590	7.95	180740	10.74	142552	14.57
09 PB160030BS	58136	7.95	235601	10.75	181851	14.58
10 PB160030BSD	58997	7.95	243786	10.74	194964	14.58
11 PB160000BL	63302	7.95	245074	10.75	195426	14.58
12 PB160000BS	55731	7.95	236439	10.75	190328	14.58
13 PB160074BS	52202	7.95	219008	10.75	175547	14.58
14 PB160074BSD	52969	7.95	228087	10.75	180046	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.: BG040824 SAS No.: BG040824 SDG NO.: BG040824

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 8 2024 12:00AM

Lab File ID: BG060820.D Time Analyzed: 11:48

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	60438	7.95	236211	10.75	182118	14.58
UPPER LIMIT	120876	8.45	472422	11.247	364236	15.083
LOWER LIMIT	30219	7.45	118105.5	10.247	91059	14.083
EPA SAMPLE NO.						
01 PB160005BL	47477	7.95	181234	10.75	144538	14.58
02 PB160005BS	54149	7.95	226170	10.75	184875	14.58
03 PB159972TB	50473	7.95	187995	10.74	153118	14.58
04 PB160037BL	44432	7.95	171587	10.74	135889	14.58
05 PB160037BS	59162	7.95	236369	10.75	184007	14.58
06 PB160020TB	50213	7.95	188204	10.74	155263	14.58
07 PB160028BS	51158	7.95	221568	10.75	173046	14.58
08 PB160030BL	50590	7.95	180740	10.74	142552	14.57
09 PB160030BS	58136	7.95	235601	10.75	181851	14.58
10 PB160030BSD	58997	7.95	243786	10.74	194964	14.58
11 PB160000BL	63302	7.95	245074	10.75	195426	14.58
12 PB160000BS	55731	7.95	236439	10.75	190328	14.58
13 PB160074BS	52202	7.95	219008	10.75	175547	14.58
14 PB160074BSD	52969	7.95	228087	10.75	180046	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.: BG040824 SAS No.: BG040824 SDG NO.: BG040824

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 8 2024 12:00AM

Lab File ID: BG060703.D Time Analyzed: 11:48

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	400212	17.33	433492	21.59	515077	24.72
02 PB160005BS	438547	17.33	412322	21.59	470049	24.73
03 PB159972TB	418878	17.32	429602	21.58	496930	24.72
04 PB160037BL	377003	17.33	410816	21.59	470833	24.72
05 PB160037BS	458778	17.33	436726	21.59	485378	24.72
06 PB160020TB	422219	17.33	427987	21.59	502050	24.72
07 PB160028BS	426343	17.33	395594	21.59	458296	24.73
08 PB160030BL	400890	17.32	426004	21.58	498046	24.72
09 PB160030BS	461015	17.33	443589	21.59	499436	24.72
10 PB160030BSD	470748	17.33	433148	21.59	484134	24.72
11 PB160000BL	548987	17.33	561026	21.59	645157	24.72
12 PB160000BS	463189	17.33	423110	21.59	492738	24.72
13 PB160074BS	439729	17.33	424934	21.59	485852	24.72
14 PB160074BSD	448725	17.33	432087	21.59	495684	24.71

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.: BG040824 SAS No.: BG040824 SDG NO.: BG040824

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 8 2024 12:00AM

Lab File ID: BG060820.D Time Analyzed: 11:48

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	433264	17.327	420524	21.593	498504	24.725
	UPPER LIMIT	866528	17.827	841048	22.093	997008	25.225
	LOWER LIMIT	216632	16.827	210262	21.093	249252	24.225
	EPA SAMPLE NO.						
01	PB160005BL	400212	17.33	433492	21.59	515077	24.72
02	PB160005BS	438547	17.33	412322	21.59	470049	24.73
03	PB159972TB	418878	17.32	429602	21.58	496930	24.72
04	PB160037BL	377003	17.33	410816	21.59	470833	24.72
05	PB160037BS	458778	17.33	436726	21.59	485378	24.72
06	PB160020TB	422219	17.33	427987	21.59	502050	24.72
07	PB160028BS	426343	17.33	395594	21.59	458296	24.73
08	PB160030BL	400890	17.32	426004	21.58	498046	24.72
09	PB160030BS	461015	17.33	443589	21.59	499436	24.72
10	PB160030BSD	470748	17.33	433148	21.59	484134	24.72
11	PB160000BL	548987	17.33	561026	21.59	645157	24.72
12	PB160000BS	463189	17.33	423110	21.59	492738	24.72
13	PB160074BS	439729	17.33	424934	21.59	485852	24.72
14	PB160074BSD	448725	17.33	432087	21.59	495684	24.71

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.: BG040824

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160000BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	360	ug/Kg	21				10	147	
	Aniline	1700	780	ug/Kg	46				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	480	ug/Kg	28				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3500	ug/Kg	106				45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	900	ug/Kg	53				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	Total PAH	27200	23300	ug/Kg	86				57	104	
	2,4-Dinitrophenol	3300	5200	ug/Kg	158		*		37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160000BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	3400	ug/Kg	100				60	106		
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103		
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				76	113		
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107		
	Azobenzene	1700	1400	ug/Kg	82				54	103		
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99		
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1400	ug/Kg	82				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	960	ug/Kg	29				10	98		
	Pyrene	1700	1400	ug/Kg	82				59	103		
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103		
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102		
	Chrysene	1700	1400	ug/Kg	82				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				63	111		
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70	108		
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160005BS	n-Nitrosodimethylamine	50	44.5	ug/L	89				55	108	
	Pyridine	50	32.4	ug/L	65				29	97	
	Benzaldehyde	50	7.1	ug/L	14		*		15	121	
	Aniline	50	25.7	ug/L	51				10	130	
	Phenol	50	45.8	ug/L	92				66	118	
	bis(2-Chloroethyl)ether	50	40.1	ug/L	80				62	103	
	2-Chlorophenol	50	48.4	ug/L	97				70	117	
	1,2-Dichlorobenzene	50	45.5	ug/L	91				72	102	
	1,3-Dichlorobenzene	50	44.8	ug/L	90				71	103	
	1,4-Dichlorobenzene	50	45.4	ug/L	91				76	103	
	Benzyl Alcohol	50	45.6	ug/L	91				36	93	
	2-Methylphenol	50	43.7	ug/L	87				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.2	ug/L	86				52	103	
	Acetophenone	50	44.7	ug/L	89				60	104	
	3+4-Methylphenols	50	43.9	ug/L	88				67	106	
	N-Nitroso-di-n-propylamine	50	39.6	ug/L	79				57	107	
	Hexachloroethane	50	44.9	ug/L	90				76	118	
	Nitrobenzene	50	46.2	ug/L	92				58	106	
	Isophorone	50	43.4	ug/L	87				61	102	
	2-Nitrophenol	50	52.2	ug/L	104				70	115	
	2,4-Dimethylphenol	50	38.1	ug/L	76				67	130	
	bis(2-Chloroethoxy)methane	50	42.8	ug/L	86				58	109	
	2,4-Dichlorophenol	50	53.6	ug/L	107				66	115	
	1,2,4-Trichlorobenzene	50	49.2	ug/L	98				41	115	
	Benzoic acid	50	51.1	ug/L	102				10	125	
	Naphthalene	50	44.3	ug/L	89				64	107	
	4-Chloroaniline	50	15.7	ug/L	31				10	85	
	Hexachlorobutadiene	50	50	ug/L	100				69	101	
	Caprolactam	50	46.9	ug/L	94				58	128	
	4-Chloro-3-methylphenol	50	49.6	ug/L	99				65	114	
	2-Methylnaphthalene	50	43.5	ug/L	87				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	51.6	ug/L	103				61	110	
	2,4,5-Trichlorophenol	50	47.5	ug/L	95				70	106	
	1,1-Biphenyl	50	44	ug/L	88				72	98	
	2-Chloronaphthalene	50	45	ug/L	90				59	106	
	2-Nitroaniline	50	48.8	ug/L	98				58	107	
	Dimethylphthalate	50	42.6	ug/L	85				64	103	
	Acenaphthylene	50	45.8	ug/L	92				65	108	
	2,6-Dinitrotoluene	50	46.7	ug/L	93				64	110	
	3-Nitroaniline	50	27.5	ug/L	55				28	100	
	Acenaphthene	50	48.1	ug/L	96				59	113	
	Total PAH	800	724.5	ug/L	91				59	113	
	2,4-Dinitrophenol	100	140	ug/L	140		*		64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160005BS	4-Nitrophenol	100	110	ug/L	110				68	116		
	Dibenzofuran	50	43.1	ug/L	86				65	106		
	2,4-Dinitrotoluene	50	50.7	ug/L	101				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	97.4	ug/L	97				60	115		
	Diethylphthalate	50	41.7	ug/L	83				63	105		
	4-Chlorophenyl-phenylether	50	44.4	ug/L	89				61	104		
	Fluorene	50	43.8	ug/L	88				64	107		
	4-Nitroaniline	50	49.8	ug/L	100				69	112		
	4,6-Dinitro-2-methylphenol	50	53.4	ug/L	107				62	132		
	N-Nitrosodiphenylamine	50	43.4	ug/L	87				61	109		
	Azobenzene	50	41.9	ug/L	84				59	106		
	4-Bromophenyl-phenylether	50	47.6	ug/L	95				73	103		
	Hexachlorobenzene	50	49.4	ug/L	99				73	106		
	Atrazine	50	47.6	ug/L	95				76	120		
	Pentachlorophenol	100	100	ug/L	100				47	114		
	Phenanthrene	50	43.6	ug/L	87				62	109		
	Anthracene	50	44.1	ug/L	88				65	110		
	Carbazole	50	43.6	ug/L	87				62	106		
	Di-n-butylphthalate	50	41.1	ug/L	82				64	106		
	Fluoranthene	50	43.6	ug/L	87				64	110		
	Benzidine	100	31	ug/L	31				10	94		
	Pyrene	50	43.5	ug/L	87				71	103		
	Butylbenzylphthalate	50	43.8	ug/L	88				61	105		
	3,3-Dichlorobenzidine	50	31	ug/L	62				43	108		
	Benzo(a)anthracene	50	45	ug/L	90				62	107		
	Chrysene	50	44.1	ug/L	88				61	108		
	bis(2-Ethylhexyl)phthalate	50	40.4	ug/L	81				59	110		
	Di-n-octyl phthalate	50	43.4	ug/L	87				67	126		
	Benzo(b)fluoranthene	50	47.4	ug/L	95				77	113		
	Benzo(k)fluoranthene	50	46.7	ug/L	93				64	113		
	Benzo(a)pyrene	50	45.8	ug/L	92				72	131		
	Indeno(1,2,3-cd)pyrene	50	47.8	ug/L	96				72	105		
	Dibenz(a,h)anthracene	50	46.3	ug/L	93				78	115		
	Benzo(g,h,i)perylene	50	44.6	ug/L	89				75	118		
	1,2,4,5-Tetrachlorobenzene	50	46.6	ug/L	93				72	101		
	1,4-Dioxane	50	36.7	ug/L	73				38	125		
	2,3,4,6-Tetrachlorophenol	50	51.9	ug/L	104				63	116		
	1-Methylnaphthalene	50	43.3	ug/L	87				51	114		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160028BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	450	ug/Kg	26				10	147	
	Aniline	1700	830	ug/Kg	49				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1900	ug/Kg	112		*		61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				62	107	
	1,2,4-Trichlorobenzene	1700	1700	ug/Kg	100				44	110	
	Benzoic acid	1700	1800	ug/Kg	106				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	540	ug/Kg	32				16	100	
	Hexachlorobutadiene	1700	1700	ug/Kg	100		*		53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				45	134	
	2,4,6-Trichlorophenol	1700	1800	ug/Kg	106		*		59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	970	ug/Kg	57				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	24900	ug/Kg	92				57	104	
	2,4-Dinitrophenol	3300	5200	ug/Kg	158		*		37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG040824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160028BS	4-Nitrophenol	3300	3800	ug/Kg	115				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3500	ug/Kg	103				60	106	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1800	ug/Kg	106		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1100	ug/Kg	33				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1900	ug/Kg	112		*		59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160030BS	n-Nitrosodimethylamine	50	44.9	ug/L	90				55	108	
	Pyridine	50	30.3	ug/L	61				29	97	
	Benzaldehyde	50	5.9	ug/L	12		*		15	121	
	Aniline	50	16	ug/L	32				10	130	
	Phenol	50	45.7	ug/L	91				66	118	
	bis(2-Chloroethyl)ether	50	40.5	ug/L	81				62	103	
	2-Chlorophenol	50	48.8	ug/L	98				70	117	
	1,2-Dichlorobenzene	50	46.2	ug/L	92				72	102	
	1,3-Dichlorobenzene	50	45.2	ug/L	90				71	103	
	1,4-Dichlorobenzene	50	46	ug/L	92				76	103	
	Benzyl Alcohol	50	45.4	ug/L	91				36	93	
	2-Methylphenol	50	43	ug/L	86				69	109	
	2,2-oxybis(1-Chloropropane)	50	42.8	ug/L	86				52	103	
	Acetophenone	50	46.3	ug/L	93				60	104	
	3+4-Methylphenols	50	42.8	ug/L	86				67	106	
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80				57	107	
	Hexachloroethane	50	45.8	ug/L	92				76	118	
	Nitrobenzene	50	48.1	ug/L	96				58	106	
	Isophorone	50	44	ug/L	88				61	102	
	2-Nitrophenol	50	57.4	ug/L	115				70	115	
	2,4-Dimethylphenol	50	41.9	ug/L	84				67	130	
	bis(2-Chloroethoxy)methane	50	44.2	ug/L	88				58	109	
	2,4-Dichlorophenol	50	55.6	ug/L	111				66	115	
	1,2,4-Trichlorobenzene	50	49.3	ug/L	99				41	115	
	Benzoic acid	50	56.3	ug/L	113				10	125	
	Naphthalene	50	44.4	ug/L	89				64	107	
	4-Chloroaniline	50	14	ug/L	28				10	85	
	Hexachlorobutadiene	50	51.6	ug/L	103		*		69	101	
	Caprolactam	50	48.1	ug/L	96				58	128	
	4-Chloro-3-methylphenol	50	48.8	ug/L	98				65	114	
	2-Methylnaphthalene	50	43.2	ug/L	86				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	54.8	ug/L	110				61	110	
	2,4,5-Trichlorophenol	50	51	ug/L	102				70	106	
	1,1-Biphenyl	50	44.8	ug/L	90				72	98	
	2-Chloronaphthalene	50	46.9	ug/L	94				59	106	
	2-Nitroaniline	50	53	ug/L	106				58	107	
	Dimethylphthalate	50	45.2	ug/L	90				64	103	
	Acenaphthylene	50	47.8	ug/L	96				65	108	
	2,6-Dinitrotoluene	50	51.9	ug/L	104				64	110	
	3-Nitroaniline	50	30.6	ug/L	61				28	100	
	Acenaphthene	50	52.4	ug/L	105				59	113	
	Total PAH	800	744.2	ug/L	93				59	113	
	2,4-Dinitrophenol	100	170	ug/L	170		*		64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG040824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160030BS	4-Nitrophenol	100	120	ug/L	120		*		68	116	
	Dibenzofuran	50	45.8	ug/L	92				65	106	
	2,4-Dinitrotoluene/2,6-Dinitro	100	107.9	ug/L	108				60	115	
	2,4-Dinitrotoluene	50	56	ug/L	112				60	115	
	Diethylphthalate	50	44.7	ug/L	89				63	105	
	4-Chlorophenyl-phenylether	50	47.6	ug/L	95				61	104	
	Fluorene	50	46.2	ug/L	92				64	107	
	4-Nitroaniline	50	53.9	ug/L	108				69	112	
	4,6-Dinitro-2-methylphenol	50	58.2	ug/L	116				62	132	
	N-Nitrosodiphenylamine	50	44.1	ug/L	88				61	109	
	Azobenzene	50	43.6	ug/L	87				59	106	
	4-Bromophenyl-phenylether	50	48.3	ug/L	97				73	103	
	Hexachlorobenzene	50	49	ug/L	98				73	106	
	Atrazine	50	40.5	ug/L	81				76	120	
	Pentachlorophenol	100	100	ug/L	100				47	114	
	Phenanthrene	50	44.1	ug/L	88				62	109	
	Anthracene	50	44	ug/L	88				65	110	
	Carbazole	50	44.7	ug/L	89				62	106	
	Di-n-butylphthalate	50	42.2	ug/L	84				64	106	
	Fluoranthene	50	45	ug/L	90				64	110	
	Benzidine	100	28.5	ug/L	29				10	94	
	Pyrene	50	43.9	ug/L	88				71	103	
	Butylbenzylphthalate	50	45.4	ug/L	91				61	105	
	3,3-Dichlorobenzidine	50	35.5	ug/L	71				43	108	
	Benzo(a)anthracene	50	45.7	ug/L	91				62	107	
	Chrysene	50	44.5	ug/L	89				61	108	
	bis(2-Ethylhexyl)phthalate	50	42.1	ug/L	84				59	110	
	Di-n-octyl phthalate	50	44.7	ug/L	89				67	126	
	Benzo(b)fluoranthene	50	49.2	ug/L	98				77	113	
	Benzo(k)fluoranthene	50	47.7	ug/L	95				64	113	
	Benzo(a)pyrene	50	46	ug/L	92				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.8	ug/L	98				72	105	
	Dibenz(a,h)anthracene	50	47.9	ug/L	96				78	115	
	Benzo(g,h,i)perylene	50	46.6	ug/L	93				75	118	
	1,2,4,5-Tetrachlorobenzene	50	50.1	ug/L	100				72	101	
	1,4-Dioxane	50	35.5	ug/L	71				38	125	
	2,3,4,6-Tetrachlorophenol	50	56.5	ug/L	113				63	116	
	1-Methylnaphthalene	50	43.9	ug/L	88				51	114	
PB160030BSD	n-Nitrosodimethylamine	50	43.1	ug/L	86	4			55	108	20
	Pyridine	50	28.8	ug/L	58	5			29	97	20
	Benzaldehyde	50	6	ug/L	12	2	*		15	121	20
	Aniline	50	15.8	ug/L	32	1			10	130	20
	Phenol	50	44.6	ug/L	89	2			66	118	20
	bis(2-Chloroethyl)ether	50	37	ug/L	74	9			62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160030BSD	2-Chlorophenol	50	46.7	ug/L	93	4			70	117	20
	1,2-Dichlorobenzene	50	44.9	ug/L	90	3			72	102	20
	1,3-Dichlorobenzene	50	43.9	ug/L	88	3			71	103	20
	1,4-Dichlorobenzene	50	44.4	ug/L	89	4			76	103	20
	Benzyl Alcohol	50	43.7	ug/L	87	4			36	93	20
	2-Methylphenol	50	42.9	ug/L	86	0			69	109	20
	2,2-oxybis(1-Chloropropane)	50	41.8	ug/L	84	2			52	103	20
	Acetophenone	50	44.3	ug/L	89	4			60	104	20
	3+4-Methylphenols	50	43.1	ug/L	86	1			67	106	20
	N-Nitroso-di-n-propylamine	50	39.2	ug/L	78	2			57	107	20
	Hexachloroethane	50	44.5	ug/L	89	3			76	118	20
	Nitrobenzene	50	46.8	ug/L	94	3			58	106	20
	Isophorone	50	43.4	ug/L	87	1			61	102	20
	2-Nitrophenol	50	55.3	ug/L	111	4			70	115	20
	2,4-Dimethylphenol	50	39.6	ug/L	79	6			67	130	20
	bis(2-Chloroethoxy)methane	50	41.8	ug/L	84	6			58	109	20
	2,4-Dichlorophenol	50	53.4	ug/L	107	4			66	115	20
	1,2,4-Trichlorobenzene	50	47.6	ug/L	95	4			41	115	20
	Benzoic acid	50	53.7	ug/L	107	5			10	125	20
	Naphthalene	50	43.5	ug/L	87	2			64	107	20
	4-Chloroaniline	50	14	ug/L	28	0			10	85	20
	Hexachlorobutadiene	50	50.1	ug/L	100	3			69	101	20
	Caprolactam	50	45.9	ug/L	92	5			58	128	20
	4-Chloro-3-methylphenol	50	49.1	ug/L	98	1			65	114	20
	2-Methylnaphthalene	50	42.2	ug/L	84	2			64	107	20
	Hexachlorocyclopentadiene	100	100	ug/L	100	10			36	160	20
	2,4,6-Trichlorophenol	50	51.6	ug/L	103	6			61	110	20
	2,4,5-Trichlorophenol	50	48.3	ug/L	97	5			70	106	20
	1,1-Biphenyl	50	42.8	ug/L	86	5			72	98	20
	2-Chloronaphthalene	50	44.4	ug/L	89	5			59	106	20
	2-Nitroaniline	50	50.2	ug/L	100	5			58	107	20
	Dimethylphthalate	50	42.9	ug/L	86	5			64	103	20
	Acenaphthylene	50	45.1	ug/L	90	6			65	108	20
	2,6-Dinitrotoluene	50	49.6	ug/L	99	5			64	110	20
	3-Nitroaniline	50	30.4	ug/L	61	1			28	100	20
	Acenaphthene	50	49.6	ug/L	99	5			59	113	20
	Total PAH	800	726.5	ug/L	91	2			59	113	20
	2,4-Dinitrophenol	100	160	ug/L	160	6	*		64	132	20
	4-Nitrophenol	100	110	ug/L	110	9			68	116	20
	Dibenzofuran	50	43.4	ug/L	87	5			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	103.7	ug/L	104	4			60	115	20
	2,4-Dinitrotoluene	50	54.1	ug/L	108	3			60	115	20
	Diethylphthalate	50	42.4	ug/L	85	5			63	105	20
	4-Chlorophenyl-phenylether	50	44.8	ug/L	90	6			61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160030BSD	Fluorene	50	43.9	ug/L	88	5			64	107	20
	4-Nitroaniline	50	51.1	ug/L	102	5			69	112	20
	4,6-Dinitro-2-methylphenol	50	57.8	ug/L	116	1			62	132	20
	N-Nitrosodiphenylamine	50	42.8	ug/L	86	3			61	109	20
	Azobenzene	50	41.1	ug/L	82	6			59	106	20
	4-Bromophenyl-phenylether	50	49	ug/L	98	1			73	103	20
	Hexachlorobenzene	50	49.4	ug/L	99	1			73	106	20
	Atrazine	50	38	ug/L	76	6			76	120	20
	Pentachlorophenol	100	100	ug/L	100	0			47	114	20
	Phenanthrene	50	43	ug/L	86	3			62	109	20
	Anthracene	50	43.1	ug/L	86	2			65	110	20
	Carbazole	50	43.3	ug/L	87	3			62	106	20
	Di-n-butylphthalate	50	41	ug/L	82	3			64	106	20
	Fluoranthene	50	43.5	ug/L	87	3			64	110	20
	Benzidine	100	32.8	ug/L	33	14			10	94	20
	Pyrene	50	44	ug/L	88	0			71	103	20
	Butylbenzylphthalate	50	44.5	ug/L	89	2			61	105	20
	3,3-Dichlorobenzidine	50	36.1	ug/L	72	2			43	108	20
	Benzo(a)anthracene	50	44.5	ug/L	89	3			62	107	20
	Chrysene	50	43.6	ug/L	87	2			61	108	20
	bis(2-Ethylhexyl)phthalate	50	41.1	ug/L	82	2			59	110	20
	Di-n-octyl phthalate	50	43.7	ug/L	87	2			67	126	20
	Benzo(b)fluoranthene	50	47.8	ug/L	96	3			77	113	20
	Benzo(k)fluoranthene	50	47.7	ug/L	95	0			64	113	20
	Benzo(a)pyrene	50	45.4	ug/L	91	1			72	131	20
	Indeno(1,2,3-cd)pyrene	50	48.1	ug/L	96	1			72	105	20
	Dibenz(a,h)anthracene	50	47.7	ug/L	95	0			78	115	20
	Benzo(g,h,i)perylene	50	46	ug/L	92	1			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	46.9	ug/L	94	7			72	101	20
	1,4-Dioxane	50	32.9	ug/L	66	8			38	125	20
	2,3,4,6-Tetrachlorophenol	50	53.4	ug/L	107	6			63	116	20
	1-Methylnaphthalene	50	42.9	ug/L	86	2			51	114	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160037BS	n-Nitrosodimethylamine	50	43.6	ug/L	87				55	108	
	Pyridine	50	28.6	ug/L	57				29	97	
	Benzaldehyde	50		ug/L			*		15	121	
	Aniline	50	20	ug/L	40				10	130	
	Phenol	50	43.4	ug/L	87				66	118	
	bis(2-Chloroethyl)ether	50	39.4	ug/L	79				62	103	
	2-Chlorophenol	50	45.9	ug/L	92				70	117	
	1,2-Dichlorobenzene	50	44.4	ug/L	89				72	102	
	1,3-Dichlorobenzene	50	43.7	ug/L	87				71	103	
	1,4-Dichlorobenzene	50	45.3	ug/L	91				76	103	
	Benzyl Alcohol	50	42.4	ug/L	85				36	93	
	2-Methylphenol	50	42	ug/L	84				69	109	
	2,2-oxybis(1-Chloropropane)	50	40.8	ug/L	82				52	103	
	Acetophenone	50	46.5	ug/L	93				60	104	
	3+4-Methylphenols	50	41.5	ug/L	83				67	106	
	N-Nitroso-di-n-propylamine	50	37.7	ug/L	75				57	107	
	Hexachloroethane	50	45.6	ug/L	91				76	118	
	Nitrobenzene	50	46.9	ug/L	94				58	106	
	Isophorone	50	43.6	ug/L	87				61	102	
	2-Nitrophenol	50	53.4	ug/L	107				70	115	
	2,4-Dimethylphenol	50	41.2	ug/L	82				67	130	
	bis(2-Chloroethoxy)methane	50	42.4	ug/L	85				58	109	
	2,4-Dichlorophenol	50	52.4	ug/L	105				66	115	
	1,2,4-Trichlorobenzene	50	48.8	ug/L	98				41	115	
	Benzoic acid	50	52.3	ug/L	105				10	125	
	Naphthalene	50	43.4	ug/L	87				64	107	
	4-Chloroaniline	50	12.6	ug/L	25				10	85	
	Hexachlorobutadiene	50	49.8	ug/L	100				69	101	
	Caprolactam	50	47.8	ug/L	96				58	128	
	4-Chloro-3-methylphenol	50	48.4	ug/L	97				65	114	
	2-Methylnaphthalene	50	41.7	ug/L	83				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	51.6	ug/L	103				61	110	
	2,4,5-Trichlorophenol	50	48.7	ug/L	97				70	106	
	1,1-Biphenyl	50	45.2	ug/L	90				72	98	
	2-Chloronaphthalene	50	46.3	ug/L	93				59	106	
	2-Nitroaniline	50	51.2	ug/L	102				58	107	
	Dimethylphthalate	50	44.1	ug/L	88				64	103	
	Acenaphthylene	50	46.6	ug/L	93				65	108	
	2,6-Dinitrotoluene	50	49.4	ug/L	99				64	110	
	3-Nitroaniline	50	25.9	ug/L	52				28	100	
	Acenaphthene	50	51.3	ug/L	103				59	113	
	Total PAH	800	735.5	ug/L	92				59	113	
	2,4-Dinitrophenol	100	160	ug/L	160		*		64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG040824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160037BS	4-Nitrophenol	100	110	ug/L	110				68	116		
	Dibenzofuran	50	44.8	ug/L	90				65	106		
	2,4-Dinitrotoluene	50	53.8	ug/L	108				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	103.2	ug/L	103				60	115		
	Diethylphthalate	50	43.8	ug/L	88				63	105		
	4-Chlorophenyl-phenylether	50	46.1	ug/L	92				61	104		
	Fluorene	50	45.7	ug/L	91				64	107		
	4-Nitroaniline	50	52.7	ug/L	105				69	112		
	4,6-Dinitro-2-methylphenol	50	53.2	ug/L	106				62	132		
	N-Nitrosodiphenylamine	50	43.3	ug/L	87				61	109		
	Azobenzene	50	42.4	ug/L	85				59	106		
	4-Bromophenyl-phenylether	50	47.9	ug/L	96				73	103		
	Hexachlorobenzene	50	49	ug/L	98				73	106		
	Atrazine	50	47.5	ug/L	95				76	120		
	Pentachlorophenol	100	100	ug/L	100				47	114		
	Phenanthrene	50	44.7	ug/L	89				62	109		
	Anthracene	50	43.7	ug/L	87				65	110		
	Carbazole	50	44.5	ug/L	89				62	106		
	Di-n-butylphthalate	50	42.1	ug/L	84				64	106		
	Fluoranthene	50	44.4	ug/L	89				64	110		
	Benzidine	100	18.8	ug/L	19				10	94		
	Pyrene	50	44.2	ug/L	88				71	103		
	Butylbenzylphthalate	50	44.4	ug/L	89				61	105		
	3,3-Dichlorobenzidine	50	30.7	ug/L	61				43	108		
	Benzo(a)anthracene	50	44.8	ug/L	90				62	107		
	Chrysene	50	43.2	ug/L	86				61	108		
	bis(2-Ethylhexyl)phthalate	50	41.2	ug/L	82				59	110		
	Di-n-octyl phthalate	50	44.2	ug/L	88				67	126		
	Benzo(b)fluoranthene	50	49.5	ug/L	99				77	113		
	Benzo(k)fluoranthene	50	46.2	ug/L	92				64	113		
	Benzo(a)pyrene	50	44.7	ug/L	89				72	131		
	Indeno(1,2,3-cd)pyrene	50	48.1	ug/L	96				72	105		
	Dibenz(a,h)anthracene	50	48	ug/L	96				78	115		
	Benzo(g,h,i)perylene	50	47	ug/L	94				75	118		
	1,2,4,5-Tetrachlorobenzene	50	49.1	ug/L	98				72	101		
	1,4-Dioxane	50	35.9	ug/L	72				38	125		
	2,3,4,6-Tetrachlorophenol	50	54.2	ug/L	108				63	116		
	1-Methylnaphthalene	50	43.5	ug/L	87				51	114		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

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	44.3	ug/L	89				55	108	
	Pyridine	50	32	ug/L	64				29	97	
	Benzaldehyde	50	11.8	ug/L	24				15	121	
	Aniline	50	22.9	ug/L	46				10	130	
	Phenol	50	45.3	ug/L	91				66	118	
	bis(2-Chloroethyl)ether	50	38.9	ug/L	78				62	103	
	2-Chlorophenol	50	47.4	ug/L	95				70	117	
	1,2-Dichlorobenzene	50	45	ug/L	90				72	102	
	1,3-Dichlorobenzene	50	44	ug/L	88				71	103	
	1,4-Dichlorobenzene	50	45.2	ug/L	90				76	103	
	Benzyl Alcohol	50	43.3	ug/L	87				36	93	
	2-Methylphenol	50	42.7	ug/L	85				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.1	ug/L	86				52	103	
	Acetophenone	50	43.5	ug/L	87				60	104	
	3+4-Methylphenols	50	42.8	ug/L	86				67	106	
	N-Nitroso-di-n-propylamine	50	39.4	ug/L	79				57	107	
	Hexachloroethane	50	45.6	ug/L	91				76	118	
	Nitrobenzene	50	45.9	ug/L	92				58	106	
	Isophorone	50	41.1	ug/L	82				61	102	
	2-Nitrophenol	50	54.8	ug/L	110				70	115	
	2,4-Dimethylphenol	50	36.3	ug/L	73				67	130	
	bis(2-Chloroethoxy)methane	50	40.8	ug/L	82				58	109	
	2,4-Dichlorophenol	50	52.3	ug/L	105				66	115	
	1,2,4-Trichlorobenzene	50	47.9	ug/L	96				41	115	
	Benzoic acid	50	53.6	ug/L	107				10	125	
	Naphthalene	50	42.6	ug/L	85				64	107	
	4-Chloroaniline	50	16	ug/L	32				10	85	
	Hexachlorobutadiene	50	49.9	ug/L	100				69	101	
	Caprolactam	50	46.2	ug/L	92				58	128	
	4-Chloro-3-methylphenol	50	48.5	ug/L	97				65	114	
	2-Methylnaphthalene	50	41.9	ug/L	84				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	51.6	ug/L	103				61	110	
	2,4,5-Trichlorophenol	50	47.5	ug/L	95				70	106	
	1,1-Biphenyl	50	42.4	ug/L	85				72	98	
	2-Chloronaphthalene	50	43.3	ug/L	87				59	106	
	2-Nitroaniline	50	51.4	ug/L	103				58	107	
	Dimethylphthalate	50	42.9	ug/L	86				64	103	
	Acenaphthylene	50	45.4	ug/L	91				65	108	
	2,6-Dinitrotoluene	50	49.3	ug/L	99				64	110	
	3-Nitroaniline	50	29.4	ug/L	59				28	100	
	Acenaphthene	50	49.9	ug/L	100				59	113	
	Total PAH	800	715.3	ug/L	89				59	113	
	2,4-Dinitrophenol	100	170	ug/L	170		*		64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG040824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160074BS	4-Nitrophenol	100	110	ug/L	110				68	116	
	Dibenzofuran	50	42.8	ug/L	86				65	106	
	2,4-Dinitrotoluene	50	54.8	ug/L	110				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	104.1	ug/L	104				60	115	
	Diethylphthalate	50	42.8	ug/L	86				63	105	
	4-Chlorophenyl-phenylether	50	45.1	ug/L	90				61	104	
	Fluorene	50	43.8	ug/L	88				64	107	
	4-Nitroaniline	50	52.7	ug/L	105				69	112	
	4,6-Dinitro-2-methylphenol	50	60.5	ug/L	121				62	132	
	N-Nitrosodiphenylamine	50	41.8	ug/L	84				61	109	
	Azobenzene	50	42.1	ug/L	84				59	106	
	4-Bromophenyl-phenylether	50	47.6	ug/L	95				73	103	
	Hexachlorobenzene	50	47.8	ug/L	96				73	106	
	Atrazine	50	47.8	ug/L	96				76	120	
	Pentachlorophenol	100	100	ug/L	100				47	114	
	Phenanthrene	50	43.2	ug/L	86				62	109	
	Anthracene	50	43.3	ug/L	87				65	110	
	Carbazole	50	43.8	ug/L	88				62	106	
	Di-n-butylphthalate	50	41.4	ug/L	83				64	106	
	Fluoranthene	50	44	ug/L	88				64	110	
	Benzidine	100	29.8	ug/L	30				10	94	
	Pyrene	50	42.7	ug/L	85				71	103	
	Butylbenzylphthalate	50	43	ug/L	86				61	105	
	3,3-Dichlorobenzidine	50	30.3	ug/L	61				43	108	
	Benzo(a)anthracene	50	44.3	ug/L	89				62	107	
	Chrysene	50	43.1	ug/L	86				61	108	
	bis(2-Ethylhexyl)phthalate	50	40.2	ug/L	80				59	110	
	Di-n-octyl phthalate	50	42.9	ug/L	86				67	126	
	Benzo(b)fluoranthene	50	46.7	ug/L	93				77	113	
	Benzo(k)fluoranthene	50	45.4	ug/L	91				64	113	
	Benzo(a)pyrene	50	45.1	ug/L	90				72	131	
	Indeno(1,2,3-cd)pyrene	50	46.8	ug/L	94				72	105	
	Dibenz(a,h)anthracene	50	45.6	ug/L	91				78	115	
	Benzo(g,h,i)perylene	50	43.4	ug/L	87				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.2	ug/L	92				72	101	
	1,4-Dioxane	50	35.7	ug/L	71				38	125	
	2,3,4,6-Tetrachlorophenol	50	53.7	ug/L	107				63	116	
	1-Methylnaphthalene	50	41.7	ug/L	83				51	114	
PB160074BSD	n-Nitrosodimethylamine	50	46.8	ug/L	94	1			55	108	20
	Pyridine	50	33.7	ug/L	67	2			29	97	20
	Benzaldehyde	50	11.2	ug/L	22	12			15	121	20
	Aniline	50	23.5	ug/L	47	4			10	130	20
	Phenol	50	48.1	ug/L	96	1			66	118	20
	bis(2-Chloroethyl)ether	50	41	ug/L	82	2			62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160074BSD	2-Chlorophenol	50	50.3	ug/L	101	6			70	117	20
	1,2-Dichlorobenzene	50	47.5	ug/L	95	7			72	102	20
	1,3-Dichlorobenzene	50	47	ug/L	94	3			71	103	20
	1,4-Dichlorobenzene	50	46.9	ug/L	94	3			76	103	20
	Benzyl Alcohol	50	46.5	ug/L	93	6			36	93	20
	2-Methylphenol	50	44.3	ug/L	89	6			69	109	20
	2,2-oxybis(1-Chloropropane)	50	45.2	ug/L	90	8			52	103	20
	Acetophenone	50	45.2	ug/L	90	5			60	104	20
	3+4-Methylphenols	50	44.9	ug/L	90	5			67	106	20
	N-Nitroso-di-n-propylamine	50	41.3	ug/L	83	7			57	107	20
	Hexachloroethane	50	48.2	ug/L	96	7			76	118	20
	Nitrobenzene	50	48.1	ug/L	96	6			58	106	20
	Isophorone	50	41.9	ug/L	84	3			61	102	20
	2-Nitrophenol	50	56.8	ug/L	114	7			70	115	20
	2,4-Dimethylphenol	50	38.1	ug/L	76	6			67	130	20
	bis(2-Chloroethoxy)methane	50	42.6	ug/L	85	6			58	109	20
	2,4-Dichlorophenol	50	54.3	ug/L	109	4			66	115	20
	1,2,4-Trichlorobenzene	50	50	ug/L	100	5			41	115	20
	Benzoic acid	50	56	ug/L	112	10			10	125	20
	Naphthalene	50	44.1	ug/L	88	3			64	107	20
	4-Chloroaniline	50	15.9	ug/L	32	4			10	85	20
	Hexachlorobutadiene	50	51.5	ug/L	103	6	*		69	101	20
	Caprolactam	50	48.5	ug/L	97	2			58	128	20
	4-Chloro-3-methylphenol	50	49.5	ug/L	99	3			65	114	20
	2-Methylnaphthalene	50	43.7	ug/L	87	5			64	107	20
	Hexachlorocyclopentadiene	100	110	ug/L	110	10			36	160	20
	2,4,6-Trichlorophenol	50	53.5	ug/L	107	2			61	110	20
	2,4,5-Trichlorophenol	50	50	ug/L	100	1			70	106	20
	1,1-Biphenyl	50	44.3	ug/L	89	4			72	98	20
	2-Chloronaphthalene	50	45.8	ug/L	92	3			59	106	20
	2-Nitroaniline	50	55.3	ug/L	111	5	*		58	107	20
	Dimethylphthalate	50	44.4	ug/L	89	0			64	103	20
	Acenaphthylene	50	47.1	ug/L	94	3			65	108	20
	2,6-Dinitrotoluene	50	51.7	ug/L	103	2			64	110	20
	3-Nitroaniline	50	29.6	ug/L	59	10			28	100	20
	Acenaphthene	50	51.8	ug/L	104	3			59	113	20
	Total PAH	800	747.1	ug/L	93	3			59	113	20
	2,4-Dinitrophenol	100	170	ug/L	170	0	*		64	132	20
	4-Nitrophenol	100	120	ug/L	120	0	*		68	116	20
	Dibenzofuran	50	44.4	ug/L	89	3			65	106	20
	2,4-Dinitrotoluene	50	57	ug/L	114	1			60	115	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	108.7	ug/L	109	0			60	115	20
	Diethylphthalate	50	44.4	ug/L	89	0			63	105	20
	4-Chlorophenyl-phenylether	50	46.4	ug/L	93	3			61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160074BSD	Fluorene	50	46	ug/L	92	2			64	107	20
	4-Nitroaniline	50	55.4	ug/L	111	2			69	112	20
	4,6-Dinitro-2-methylphenol	50	62.5	ug/L	125	8			62	132	20
	N-Nitrosodiphenylamine	50	43.7	ug/L	87	6			61	109	20
	Azobenzene	50	43.9	ug/L	88	3			59	106	20
	4-Bromophenyl-phenylether	50	49.1	ug/L	98	8			73	103	20
	Hexachlorobenzene	50	50.9	ug/L	102	8			73	106	20
	Atrazine	50	49.5	ug/L	99	2			76	120	20
	Pentachlorophenol	100	110	ug/L	110	10			47	114	20
	Phenanthrene	50	44.6	ug/L	89	3			62	109	20
	Anthracene	50	45.4	ug/L	91	4			65	110	20
	Carbazole	50	45.9	ug/L	92	1			62	106	20
	Di-n-butylphthalate	50	42.9	ug/L	86	1			64	106	20
	Fluoranthene	50	45.9	ug/L	92	1			64	110	20
	Benzidine	100	30	ug/L	30	0			10	94	20
	Pyrene	50	44.7	ug/L	89	3			71	103	20
	Butylbenzylphthalate	50	45.3	ug/L	91	3			61	105	20
	3,3-Dichlorobenzidine	50	32.1	ug/L	64	1			43	108	20
	Benzo(a)anthracene	50	46	ug/L	92	2			62	107	20
	Chrysene	50	45.6	ug/L	91	2			61	108	20
	bis(2-Ethylhexyl)phthalate	50	41.9	ug/L	84	2			59	110	20
	Di-n-octyl phthalate	50	45	ug/L	90	4			67	126	20
	Benzo(b)fluoranthene	50	49.5	ug/L	99	7			77	113	20
	Benzo(k)fluoranthene	50	47	ug/L	94	3			64	113	20
	Benzo(a)pyrene	50	46.8	ug/L	94	4			72	131	20
	Indeno(1,2,3-cd)pyrene	50	49.1	ug/L	98	4			72	105	20
	Dibenz(a,h)anthracene	50	47.6	ug/L	95	4			78	115	20
	Benzo(g,h,i)perylene	50	45.9	ug/L	92	4			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	48.5	ug/L	97	5			72	101	20
	1,4-Dioxane	50	37.4	ug/L	75	2			38	125	20
	2,3,4,6-Tetrachlorophenol	50	55.5	ug/L	111	1			63	116	20
	1-Methylnaphthalene	50	43.2	ug/L	86	4			51	114	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160000BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040824

SAS No.: BG040824 SDG NO.: BG040824

Lab File ID: BG060831.D

Lab Sample ID: PB160000BL

Instrument ID: BNA_G

Date Extracted: 04/04/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/08/2024

Level: (low/med) LOW

Time Analyzed: 18:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160000BS	PB160000BS	BG060832.D	04/08/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160005BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040824

SAS No.: BG040824 SDG NO.: BG040824

Lab File ID: BG060821.D

Lab Sample ID: PB160005BL

Instrument ID: BNA_G

Date Extracted: 04/04/2024

Matrix: (soil/water) water

Date Analyzed: 04/08/2024

Level: (low/med) LOW

Time Analyzed: 11:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160005BS	PB160005BS	BG060822.D	04/08/2024
PB159972TB	PB159972TB	BG060823.D	04/08/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160028BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040824

SAS No.: BG040824 SDG NO.: BG040824

Lab File ID: BG060827.D

Lab Sample ID: PB160028BS

Instrument ID: BNA_G

Date Extracted: 04/05/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/08/2024

Level: (low/med) LOW

Time Analyzed: 15:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160028BS	PB160028BS	BG060827.D	04/08/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160030BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040824

SAS No.: BG040824 SDG NO.: BG040824

Lab File ID: BG060828.D

Lab Sample ID: PB160030BL

Instrument ID: BNA_G

Date Extracted: 04/05/2024

Matrix: (soil/water) Water

Date Analyzed: 04/08/2024

Level: (low/med) LOW

Time Analyzed: 16:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160030BS	PB160030BS	BG060829.D	04/08/2024
PB160030BSD	PB160030BSD	BG060830.D	04/08/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160037BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040824

SAS No.: BG040824 SDG NO.: BG040824

Lab File ID: BG060824.D

Lab Sample ID: PB160037BL

Instrument ID: BNA_G

Date Extracted: 04/05/2024

Matrix: (soil/water) water

Date Analyzed: 04/08/2024

Level: (low/med) LOW

Time Analyzed: 13:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160037BS	PB160037BS	BG060825.D	04/08/2024
PB160020TB	PB160020TB	BG060826.D	04/08/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160074BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040824

SAS No.: BG040824 SDG NO.: BG040824

Lab File ID: BG060833.D

Lab Sample ID: PB160074BS

Instrument ID: BNA_G

Date Extracted: 04/07/2024

Matrix: (soil/water) Water

Date Analyzed: 04/08/2024

Level: (low/med) LOW

Time Analyzed: 19:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160074BS	PB160074BS	BG060833.D	04/08/2024
PB160074BSD	PB160074BSD	BG060834.D	04/08/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160000BL	PB160000BL	BG060831.D	2-Fluorophenol	150	126.52	84		18	112
			Phenol-d6	150	115.87	77		15	107
			Nitrobenzene-d5	100	97.61	98		18	107
			2-Fluorobiphenyl	100	81.17	81		20	109
			2,4,6-Tribromophenol	150	178.38	119	*	10	110
			Terphenyl-d14	100	76.03	76		14	112
PB160000BS	PB160000BS	BG060832.D	2-Fluorophenol	150	137.77	92		18	112
			Phenol-d6	150	126.38	84		15	107
			Nitrobenzene-d5	100	98.20	98		18	107
			2-Fluorobiphenyl	100	80.90	81		20	109
			2,4,6-Tribromophenol	150	165.93	111	*	10	110
			Terphenyl-d14	100	82.79	83		14	112

Surrogate Summary

SW-846

SDG No.: **BG040824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159972TB	PB159972TB	BG060823.D	2-Fluorophenol	150	127.79	85		10	139
			Phenol-d6	150	115.88	77		10	134
			Nitrobenzene-d5	100	98.71	99		49	133
			2-Fluorobiphenyl	100	83.36	83		52	132
			2,4,6-Tribromophenol	150	178.32	119		32	145
			Terphenyl-d14	100	82.59	83		36	145
PB160005BL	PB160005BL	BG060821.D	2-Fluorophenol	150	66.07	44		10	139
			Phenol-d6	150	59.36	40		10	134
			Nitrobenzene-d5	100	47.07	47	*	49	133
			2-Fluorobiphenyl	100	43.29	43	*	52	132
			2,4,6-Tribromophenol	150	86.56	58		32	145
			Terphenyl-d14	100	44.18	44		36	145
PB160005BS	PB160005BS	BG060822.D	2-Fluorophenol	150	135.84	91		10	139
			Phenol-d6	150	126.22	84		10	134
			Nitrobenzene-d5	100	96.24	96		49	133
			2-Fluorobiphenyl	100	82.75	83		52	132
			2,4,6-Tribromophenol	150	159.59	106		32	145
			Terphenyl-d14	100	81.81	82		36	145



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Surrogate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160028BS	PB160028BS	BG060827.D	2-Fluorophenol	150	145.13	97		18	112
			Phenol-d6	150	134.14	89		15	107
			Nitrobenzene-d5	100	102.04	102		18	107
			2-Fluorobiphenyl	100	85.75	86		20	109
			2,4,6-Tribromophenol	150	176.41	118	*	10	110
			Terphenyl-d14	100	87.44	87		14	112



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG040824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160030BL	PB160030BL	BG060828.D	2-Fluorophenol	150	121.82	81		10	139
			Phenol-d6	150	108.64	72		10	134
			Nitrobenzene-d5	100	102.04	102		49	133
			2-Fluorobiphenyl	100	84.86	85		52	132
			2,4,6-Tribromophenol	150	185.32	124		32	145
			Terphenyl-d14	100	81.46	81		36	145
PB160030BS	PB160030BS	BG060829.D	2-Fluorophenol	150	136.79	91		10	139
			Phenol-d6	150	125.81	84		10	134
			Nitrobenzene-d5	100	103.78	104		49	133
			2-Fluorobiphenyl	100	86.88	87		52	132
			2,4,6-Tribromophenol	150	178.08	119		32	145
			Terphenyl-d14	100	83.06	83		36	145
PB160030BSD	PB160030BSD	BG060830.D	2-Fluorophenol	150	133.73	89		10	139
			Phenol-d6	150	123.68	82		10	134
			Nitrobenzene-d5	100	100.97	101		49	133
			2-Fluorobiphenyl	100	83.01	83		52	132
			2,4,6-Tribromophenol	150	168.68	112		32	145
			Terphenyl-d14	100	83.48	83		36	145

Surrogate Summary

SW-846

SDG No.: **BG040824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160020TB	PB160020TB	BG060826.D	2-Fluorophenol	150	129.29	86		10	139
			Phenol-d6	150	116.99	78		10	134
			Nitrobenzene-d5	100	101.34	101		49	133
			2-Fluorobiphenyl	100	82.80	83		52	132
			2,4,6-Tribromophenol	150	181.20	121		32	145
			Terphenyl-d14	100	82.96	83		36	145
PB160037BL	PB160037BL	BG060824.D	2-Fluorophenol	150	131.62	88		10	139
			Phenol-d6	150	117.59	78		10	134
			Nitrobenzene-d5	100	98.86	99		49	133
			2-Fluorobiphenyl	100	84.76	85		52	132
			2,4,6-Tribromophenol	150	178.63	119		32	145
			Terphenyl-d14	100	81.78	82		36	145
PB160037BS	PB160037BS	BG060825.D	2-Fluorophenol	150	132.66	88		10	139
			Phenol-d6	150	120.56	80		10	134
			Nitrobenzene-d5	100	101.50	102		49	133
			2-Fluorobiphenyl	100	87.35	87		52	132
			2,4,6-Tribromophenol	150	174.13	116		32	145
			Terphenyl-d14	100	84.61	85		36	145

Surrogate Summary

SW-846

SDG No.: **BG040824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160074BS	PB160074BS	BG060833.D	2-Fluorophenol	150	134.60	90		10	139
			Phenol-d6	150	123.81	83		10	134
			Nitrobenzene-d5	100	99.69	100		49	133
			2-Fluorobiphenyl	100	81.56	82		52	132
			2,4,6-Tribromophenol	150	170.79	114		32	145
			Terphenyl-d14	100	81.77	82		36	145
PB160074BSD	PB160074BSD	BG060834.D	2-Fluorophenol	150	142.81	95		10	139
			Phenol-d6	150	131.59	88		10	134
			Nitrobenzene-d5	100	102.64	103		49	133
			2-Fluorobiphenyl	100	85.93	86		52	132
			2,4,6-Tribromophenol	150	180.29	120		32	145
			Terphenyl-d14	100	84.93	85		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG040824

Lab Code: CHEM

SAS No.: BG040824

SDG NO.: BG040824

Lab File ID: BG060819.D

DFTPP Injection Date: 04/08/2024

Instrument ID: BNA_G

DFTPP Injection Time: 10:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.2 (0.5) 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	7
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	90.3
443	15.0 - 24.0% of mass 442	17.3 (19.1) 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	BG060820.D	04/08/2024	11:04
PB160005BL	PB160005BL	BG060821.D	04/08/2024	11:48
PB160005BS	PB160005BS	BG060822.D	04/08/2024	12:28
PB159972TB	PB159972TB	BG060823.D	04/08/2024	13:08
PB160037BL	PB160037BL	BG060824.D	04/08/2024	13:49
PB160037BS	PB160037BS	BG060825.D	04/08/2024	14:29
PB160020TB	PB160020TB	BG060826.D	04/08/2024	15:10
PB160028BS	PB160028BS	BG060827.D	04/08/2024	15:51
PB160030BL	PB160030BL	BG060828.D	04/08/2024	16:32
PB160030BS	PB160030BS	BG060829.D	04/08/2024	17:12
PB160030BSD	PB160030BSD	BG060830.D	04/08/2024	17:54
PB160000BL	PB160000BL	BG060831.D	04/08/2024	18:34
PB160000BS	PB160000BS	BG060832.D	04/08/2024	19:15
PB160074BS	PB160074BS	BG060833.D	04/08/2024	19:56
PB160074BSD	PB160074BSD	BG060834.D	04/08/2024	20:37