

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG041324 SAS No.: BG041324 SDG No.: BG041324

Instrument ID: BNA_G Calibration Date/Time: 4/13/2024 1:10:23

Lab File ID: BG060887.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	0.865		-2.48	
Pyridine	1.485	1.329		-10.505	
2-Fluorophenol	1.201	1.086		-9.575	
Benzaldehyde	0.983	0.842		-14.344	
Aniline	2.250	1.896		-15.733	
Phenol-d6	1.782	1.548		-13.131	
Phenol	1.819	1.556		-14.458	20.0
bis(2-Chloroethyl) ether	1.468	1.261		-14.101	
2-Chlorophenol	1.361	1.259		-7.494	
1,2-Dichlorobenzene	1.415	1.326		-6.29	
1,3-Dichlorobenzene	1.415	1.347		-4.806	
1,4-Dichlorobenzene	1.444	1.364		-5.54	20.0
Benzyl Alcohol	1.444	1.369		-5.194	
2-Methylphenol	1.373	1.252		-8.813	
2,2-oxybis(1-Chloropropane)	3.314	3.034		-8.449	
Acetophenone	0.551	0.519		-5.808	
3+4-Methylphenols	1.880	1.719		-8.564	
n-Nitroso-di-n-propylamine	1.359	1.189	0.050	-12.509	
Nitrobenzene-d5	0.350	0.401		14.571	
Hexachloroethane	0.513	0.487		-5.068	
Nitrobenzene	0.352	0.396		12.5	
Isophorone	0.807	0.738		-8.55	
2-Nitrophenol	0.120	0.179		49.167	20.0
2,4-Dimethylphenol	0.324	0.297		-8.333	
bis(2-Chloroethoxy) methane	0.477	0.424		-11.111	
2,4-Dichlorophenol	0.298	0.315		5.705	20.0
1,2,4-Trichlorobenzene	0.337	0.345		2.374	
Benzoic acid	0.191	0.245		28.272	
Naphthalene	1.082	0.999		-7.671	
4-Chloroaniline	0.503	0.451		-10.338	
Hexachlorobutadiene	0.225	0.250		11.111	20.0
Caprolactam	0.118	0.113		-4.237	
4-Chloro-3-methylphenol	0.380	0.374		-1.579	20.0
2-Methylnaphthalene	0.795	0.748		-5.912	
Hexachlorocyclopentadiene	0.292	0.332	0.050	13.699	
2,4,6-Trichlorophenol	0.370	0.417		12.703	20.0
2-Fluorobiphenyl	1.363	1.318		-3.302	
2,4,5-Trichlorophenol	0.442	0.491		11.086	
1,1-Biphenyl	1.413	1.317		-6.794	

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Instrument ID: BNA_G Calibration Date/Time: 4/13/2024 1:10:23

Lab File ID: BG060887.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	1.002		-6.617	
2-Nitroaniline	0.307	0.408		32.899	
Dimethylphthalate	1.581	1.459		-7.717	
Acenaphthylene	1.803	1.677		-6.988	
2,6-Dinitrotoluene	0.247	0.299		21.053	
3-Nitroaniline	0.277	0.325		17.329	
Acenaphthene	1.132	1.088		-3.887	20.0
2,4-Dinitrophenol	0.110	0.179	0.050	62.727	
4-Nitrophenol	0.231	0.250	0.050	8.225	
Dibenzofuran	1.786	1.640		-8.175	
2,4-Dinitrotoluene	0.320	0.438		36.875	
Diethylphthalate	1.590	1.426		-10.314	
4-Chlorophenyl-phenylether	0.758	0.734		-3.166	
Fluorene	1.433	1.336		-6.769	
4-Nitroaniline	0.289	0.346		19.723	
4,6-Dinitro-2-methylphenol	0.073	0.111		52.055	
n-Nitrosodiphenylamine	0.572	0.533		-6.818	20.0
Azobenzene	1.550	1.350		-12.903	
2,4,6-Tribromophenol	0.227	0.296		30.396	
4-Bromophenyl-phenylether	0.203	0.216		6.404	
Hexachlorobenzene	0.229	0.233		1.747	
Atrazine	0.200	0.193		-3.5	
Pentachlorophenol	0.150	0.170		13.333	20.0
Phenanthrene	1.040	0.963		-7.404	
Anthracene	1.056	0.996		-5.682	
Carbazole	0.931	0.867		-6.874	
Di-n-butylphthalate	1.161	1.044		-10.078	
Fluoranthene	1.262	1.180		-6.498	20.0
Benzidine	0.527	0.488		-7.4	
Pyrene	1.399	1.338		-4.36	
Terphenyl-d14	1.136	1.082		-4.754	
Butylbenzylphthalate	0.510	0.500		-1.961	
3,3-Dichlorobenzidine	0.476	0.478		0.42	
Benzo(a)anthracene	1.410	1.312		-6.95	
Chrysene	1.359	1.263		-7.064	
Bis(2-ethylhexyl)phthalate	0.813	0.721		-11.316	
Di-n-octyl phthalate	1.325	1.270		-4.151	20.0
Benzo(b)fluoranthene	1.149	1.031		-10.27	
Benzo(k)fluoranthene	1.176	1.072		-8.844	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG041324 SAS No.: BG041324 SDG No.: BG041324
 Instrument ID: BNA_G Calibration Date/Time: 4/13/2024 1:10:23
 Lab File ID: BG060887.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	1.031		-7.699	20.0
Indeno(1,2,3-cd)pyrene	1.408	1.307		-7.173	
Dibenzo(a,h)anthracene	1.187	1.082		-8.846	
Benzo(g,h,i)perylene	1.155	1.056		-8.571	
1,2,4,5-Tetrachlorobenzene	0.575	0.595		3.478	
1,4-Dioxane	0.492	0.403		-18.089	20.0
2,3,4,6-Tetrachlorophenol	0.385	0.442		14.805	
1-Methylnaphthalene	0.751	0.704		-6.258	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BL	SDG No.:	BG041324
Lab Sample ID:	PB160200BL	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
BG060888.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

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

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BL	SDG No.:	BG041324
Lab Sample ID:	PB160200BL	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
BG060888.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

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

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BL	SDG No.:	BG041324
Lab Sample ID:	PB160200BL	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
BG060888.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119.861		18-112		80	SPK: -150
13127-88-3	Phenol-d6	116.004		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	90.891		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	74.747		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BL	SDG No.:	BG041324
Lab Sample ID:	PB160200BL	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
BG060888.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	182.092	*	10-110		121	SPK: -150
1718-51-0	Terphenyl-d14	78.944		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36179	7.949				
1146-65-2	Naphthalene-d8	144207	10.746				
15067-26-2	Acenaphthene-d10	125400	14.583				
1517-22-2	Phenanthrene-d10	366735	17.332				
1719-03-5	Chrysene-d12	350078	21.592				
1520-96-3	Perylene-d12	399072	24.735				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BS	SDG No.:	BG041324
Lab Sample ID:	PB160200BS	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
BG060889.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.8	270	330	ug/Kg
110-86-1	Pyridine	880		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	310	J	180	270	330	ug/Kg
62-53-3	Aniline	740		96.9	130	170	ug/Kg
108-95-2	Phenol	1400		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1300		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1300		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	130	170	ug/Kg
78-59-1	Isophorone	1300		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1700		240	270	330	ug/Kg
91-20-3	Naphthalene	1300		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	570		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BS	SDG No.:	BG041324
Lab Sample ID:	PB160200BS	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
BG060889.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1300		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1300		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	990		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	130	170	ug/Kg
Total PAH	Total PAH	21500		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	5200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1300		85.5	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	1300		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1200		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BS	SDG No.:	BG041324
Lab Sample ID:	PB160200BS	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
BG060889.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3000	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1300		84	130	170	ug/Kg
120-12-7	Anthracene	1300		84.4	130	170	ug/Kg
86-74-8	Carbazole	1300		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1300		81.7	130	170	ug/Kg
92-87-5	Benzidine	740		160	270	330	ug/Kg
129-00-0	Pyrene	1300		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	980		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1300		80.7	130	170	ug/Kg
218-01-9	Chrysene	1300		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	990		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119.415		18-112		80	SPK: -150
13127-88-3	Phenol-d6	119.777		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	90.336		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	75.466		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160200BS	SDG No.:	BG041324
Lab Sample ID:	PB160200BS	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
BG060889.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160200

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	168.219	*	10-110		112	SPK: -150
1718-51-0	Terphenyl-d14	80.407		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44805	7.949				
1146-65-2	Naphthalene-d8	188590	10.746				
15067-26-2	Acenaphthene-d10	159358	14.583				
1517-22-2	Phenanthrene-d10	401521	17.332				
1719-03-5	Chrysene-d12	365434	21.598				
1520-96-3	Perylene-d12	411946	24.741				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BL	SDG No.:	BG041324
Lab Sample ID:	PB160208BL	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
BG060890.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

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:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BL	SDG No.:	BG041324
Lab Sample ID:	PB160208BL	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
BG060890.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

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:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BL	SDG No.:	BG041324
Lab Sample ID:	PB160208BL	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
BG060890.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

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	118.579		10-139		79	SPK: -150
13127-88-3	Phenol-d6	116.807		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	95.887		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	74.146		52-132		74	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BL	SDG No.:	BG041324
Lab Sample ID:	PB160208BL	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
BG060890.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	176.93		32-145		118	SPK: -150
1718-51-0	Terphenyl-d14	79.75		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36542	7.948				
1146-65-2	Naphthalene-d8	143281	10.744				
15067-26-2	Acenaphthene-d10	127173	14.581				
1517-22-2	Phenanthrene-d10	364600	17.331				
1719-03-5	Chrysene-d12	355678	21.59				
1520-96-3	Perylene-d12	408485	24.734				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BS	SDG No.:	BG041324
Lab Sample ID:	PB160208BS	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
BG060891.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	37.6		1	8	10	ug/L
110-86-1	Pyridine	25.8		1.6	4	5	ug/L
100-52-7	Benzaldehyde	8.6	J	4	8	10	ug/L
62-53-3	Aniline	21.7		1.6	4	5	ug/L
108-95-2	Phenol	42.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	35		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	42.4		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	40		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.8		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	40.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	39.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	38		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.8		1.4	4	5	ug/L
98-86-2	Acetophenone	40.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	38.4		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	35.4		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	39.5		1	4	5	ug/L
98-95-3	Nitrobenzene	41.4		1.3	4	5	ug/L
78-59-1	Isophorone	38.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	53.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	32.6		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.2		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	48		5.5	8	10	ug/L
91-20-3	Naphthalene	38.6		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.5		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	46.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BS	SDG No.:	BG041324
Lab Sample ID:	PB160208BS	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
BG060891.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	42.2		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	38.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	92.2	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.9		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44		1	4	5	ug/L
92-52-4	1,1-Biphenyl	38.6		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	40		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	47.8		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	38.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	40.6		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.6		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	28.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.5		0.81	4	5	ug/L
Total PAH	Total PAH	648.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	150	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	97.8	E	2	8	10	ug/L
132-64-9	Dibenzofuran	38.3		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	44.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	49.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	38.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.7		0.98	4	5	ug/L
86-73-7	Fluorene	39.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	47.5		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.7		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	37.6		0.89	4	5	ug/L
103-33-3	Azobenzene	36.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.2		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	43.9		1.1	4	5	ug/L
1912-24-9	Atrazine	43.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BS	SDG No.:	BG041324
Lab Sample ID:	PB160208BS	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
BG060891.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	38.3		0.89	4	5	ug/L
120-12-7	Anthracene	38.4		1.1	4	5	ug/L
86-74-8	Carbazole	38.5		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	36.7		1.5	4	5	ug/L
206-44-0	Fluoranthene	38.9		1.3	4	5	ug/L
92-87-5	Benzidine	21.8		4.1	8	10	ug/L
129-00-0	Pyrene	40.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	40.8		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	28.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	39.9		0.94	4	5	ug/L
218-01-9	Chrysene	38.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	36.7		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	39.1		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	43.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	41.4		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	41.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	43.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.1		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	40		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.2		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	28.5		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.3		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	38.4		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	117.844		10-139		79	SPK: -150
13127-88-3	Phenol-d6	112.827		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	89.246		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	75.601		52-132		76	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BS	SDG No.:	BG041324
Lab Sample ID:	PB160208BS	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
BG060891.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	162.463		32-145		108	SPK: -150
1718-51-0	Terphenyl-d14	79.662		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50120	7.955				
1146-65-2	Naphthalene-d8	205639	10.746				
15067-26-2	Acenaphthene-d10	169043	14.582				
1517-22-2	Phenanthrene-d10	418375	17.332				
1719-03-5	Chrysene-d12	372491	21.598				
1520-96-3	Perylene-d12	413390	24.729				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BSD	SDG No.:	BG041324
Lab Sample ID:	PB160208BSD	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
BG060892.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	37.5		1	8	10	ug/L
110-86-1	Pyridine	25.4		1.6	4	5	ug/L
100-52-7	Benzaldehyde	8.8	J	4	8	10	ug/L
62-53-3	Aniline	20.8		1.6	4	5	ug/L
108-95-2	Phenol	40.3		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	34		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	41.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	39.3		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	39.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	40.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	38		1.6	8	10	ug/L
95-48-7	2-Methylphenol	36.9		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.7		1.4	4	5	ug/L
98-86-2	Acetophenone	39.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	36.6		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	34.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	39.2		1	4	5	ug/L
98-95-3	Nitrobenzene	40.7		1.3	4	5	ug/L
78-59-1	Isophorone	37.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	53.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	32.4		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	36.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.2		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	48.9		5.5	8	10	ug/L
91-20-3	Naphthalene	37.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.5		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	47.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BSD	SDG No.:	BG041324
Lab Sample ID:	PB160208BSD	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
BG060892.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	37.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	93.7	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.8		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44		1	4	5	ug/L
92-52-4	1,1-Biphenyl	38.9		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	40		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	38.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	40.4		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.2		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.3		1.4	4	5	ug/L
83-32-9	Acenaphthene	45		0.81	4	5	ug/L
Total PAH	Total PAH	652.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	150	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	99.3	E	2	8	10	ug/L
132-64-9	Dibenzofuran	38.4		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	50.3		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	95.5		2.7	4	10	ug/L
84-66-2	Diethylphthalate	38.1		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.6		0.98	4	5	ug/L
86-73-7	Fluorene	39.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	46.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	38.3		0.89	4	5	ug/L
103-33-3	Azobenzene	36.2		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.4		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.5		1.1	4	5	ug/L
1912-24-9	Atrazine	43.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BSD	SDG No.:	BG041324
Lab Sample ID:	PB160208BSD	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
BG060892.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91.5	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	38.5		0.89	4	5	ug/L
120-12-7	Anthracene	38.4		1.1	4	5	ug/L
86-74-8	Carbazole	39.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	36.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	38.8		1.3	4	5	ug/L
92-87-5	Benzidine	22.1		4.1	8	10	ug/L
129-00-0	Pyrene	40.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	40.8		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	29.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	40.1		0.94	4	5	ug/L
218-01-9	Chrysene	39.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	37.1		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	39.6		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	43.9		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	42		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	42		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	43.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	40.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.7		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	28.5		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	37.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	114.073		10-139		76	SPK: -150
13127-88-3	Phenol-d6	112.278		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	89.164		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	76.249		52-132		76	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160208BSD	SDG No.:	BG041324
Lab Sample ID:	PB160208BSD	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
BG060892.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	162.583		32-145		108	SPK: -150
1718-51-0	Terphenyl-d14	80.052		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53040	7.947				
1146-65-2	Naphthalene-d8	214443	10.749				
15067-26-2	Acenaphthene-d10	169699	14.58				
1517-22-2	Phenanthrene-d10	414050	17.33				
1719-03-5	Chrysene-d12	370862	21.596				
1520-96-3	Perylene-d12	407835	24.733				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BL	SDG No.:	BG041324
Lab Sample ID:	PB160203BL	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
BG060893.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

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:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BL	SDG No.:	BG041324
Lab Sample ID:	PB160203BL	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
BG060893.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

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:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BL	SDG No.:	BG041324
Lab Sample ID:	PB160203BL	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
BG060893.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

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	116.867		10-139		78	SPK: -150
13127-88-3	Phenol-d6	105.991		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	88.983		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	74.931		52-132		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BL	SDG No.:	BG041324
Lab Sample ID:	PB160203BL	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
BG060893.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	176.004		32-145		117	SPK: -150
1718-51-0	Terphenyl-d14	78.381		36-145		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38862	7.947				
1146-65-2	Naphthalene-d8	149499	10.744				
15067-26-2	Acenaphthene-d10	121384	14.581				
1517-22-2	Phenanthrene-d10	344596	17.325				
1719-03-5	Chrysene-d12	356213	21.59				
1520-96-3	Perylene-d12	406238	24.734				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BS	SDG No.:	BG041324
Lab Sample ID:	PB160203BS	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
BG060894.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	36.5		1	8	10	ug/L
110-86-1	Pyridine	25.1		1.6	4	5	ug/L
100-52-7	Benzaldehyde	9.1	J	4	8	10	ug/L
62-53-3	Aniline	22.5		1.6	4	5	ug/L
108-95-2	Phenol	43.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	43.7		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	40.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	40.7		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	40.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	41.2		1.6	8	10	ug/L
95-48-7	2-Methylphenol	39.4		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.9		1.4	4	5	ug/L
98-86-2	Acetophenone	38.9		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	39.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	39.9		1	4	5	ug/L
98-95-3	Nitrobenzene	41.4		1.3	4	5	ug/L
78-59-1	Isophorone	38.4		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	52.6		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	33		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	36.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	49.2		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	50.2		5.5	8	10	ug/L
91-20-3	Naphthalene	37.7		1	4	5	ug/L
106-47-8	4-Chloroaniline	16.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BS	SDG No.:	BG041324
Lab Sample ID:	PB160203BS	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
BG060894.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	43.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	37.3		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	88.4	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45		1	4	5	ug/L
92-52-4	1,1-Biphenyl	38.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	39.6		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.3		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	39.7		0.93	4	5	ug/L
208-96-8	Acenaphthylene	40.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46.5		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.4		1.4	4	5	ug/L
83-32-9	Acenaphthene	45		0.81	4	5	ug/L
Total PAH	Total PAH	646.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	150	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	97.5	E	2	8	10	ug/L
132-64-9	Dibenzofuran	38.6		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	98.1		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	51.6		1.5	4	5	ug/L
84-66-2	Diethylphthalate	38.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.1		0.98	4	5	ug/L
86-73-7	Fluorene	39.8		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	48.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	38.2		0.89	4	5	ug/L
103-33-3	Azobenzene	37		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	43.7		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.2		1.1	4	5	ug/L
1912-24-9	Atrazine	43.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BS	SDG No.:	BG041324
Lab Sample ID:	PB160203BS	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
BG060894.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91.1	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	38.4		0.89	4	5	ug/L
120-12-7	Anthracene	38.7		1.1	4	5	ug/L
86-74-8	Carbazole	39.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	37.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	39.3		1.3	4	5	ug/L
92-87-5	Benzidine	20.9		4.1	8	10	ug/L
129-00-0	Pyrene	40		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	41		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	39.9		0.94	4	5	ug/L
218-01-9	Chrysene	39.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	36.6		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	39.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	42.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	41.9		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	40.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.2		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	39.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	28		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	37.5		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.885		10-139		81	SPK: -150
13127-88-3	Phenol-d6	120.69		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	89.98		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	75.282		52-132		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	PB160203BS	SDG No.:	BG041324
Lab Sample ID:	PB160203BS	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
BG060894.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	167.021		32-145		111	SPK: -150
1718-51-0	Terphenyl-d14	78.967		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45737	7.95				
1146-65-2	Naphthalene-d8	202596	10.747				
15067-26-2	Acenaphthene-d10	166177	14.578				
1517-22-2	Phenanthrene-d10	417646	17.327				
1719-03-5	Chrysene-d12	377808	21.593				
1520-96-3	Perylene-d12	420349	24.731				

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BG041324
Lab Sample ID:	P2070-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060895.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

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:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BG041324
Lab Sample ID:	P2070-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060895.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

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:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BG041324
Lab Sample ID:	P2070-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060895.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

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	113.399		10-139		76	SPK: -150
13127-88-3	Phenol-d6	95.197		10-134		63	SPK: -150
4165-60-0	Nitrobenzene-d5	108.434		49-133		108	SPK: -100
321-60-8	2-Fluorobiphenyl	84.694		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BG041324
Lab Sample ID:	P2070-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060895.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	189.347		32-145		126	SPK: -150
1718-51-0	Terphenyl-d14	91.16		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56609	7.953				
1146-65-2	Naphthalene-d8	211473	10.744				
15067-26-2	Acenaphthene-d10	171841	14.575				
1517-22-2	Phenanthrene-d10	422995	17.324				
1719-03-5	Chrysene-d12	383447	21.59				
1520-96-3	Perylene-d12	442973	24.727				

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG041324
Lab Sample ID:	P2070-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060896.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	460		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	47.4	J	40	80	100	ug/L
62-53-3	Aniline	140		16	40	50	ug/L
108-95-2	Phenol	410		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	470		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	460		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	460		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	470		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	440		16	80	100	ug/L
95-48-7	2-Methylphenol	410		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	430		13.5	40	50	ug/L
98-86-2	Acetophenone	480		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	400		14.8	25	25	ug/L
67-72-1	Hexachloroethane	460		10.1	40	50	ug/L
98-95-3	Nitrobenzene	500		12.7	40	50	ug/L
78-59-1	Isophorone	460		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	610		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	380		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	440		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	560		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	520		11	40	50	ug/L
65-85-0	Benzoic acid	500		54.7	80	100	ug/L
91-20-3	Naphthalene	460		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	26.3	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	560		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG041324
Lab Sample ID:	P2070-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060896.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	420		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	510		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	460		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1200	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	590		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	490		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	500		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	560		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	480		9.3	40	50	ug/L
208-96-8	Acenaphthylene	500		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	550		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	120		13.7	40	50	ug/L
83-32-9	Acenaphthene	550		8.1	40	50	ug/L
Total PAH	Total PAH	7920		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1800	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	480		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	150		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	600		15.2	40	50	ug/L
84-66-2	Diethylphthalate	460		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	490		9.8	40	50	ug/L
86-73-7	Fluorene	480		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	440		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	690		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	450		8.9	40	50	ug/L
103-33-3	Azobenzene	450		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	550		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	570		11.4	40	50	ug/L
1912-24-9	Atrazine	220		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG041324
Lab Sample ID:	P2070-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060896.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	480		8.9	40	50	ug/L
120-12-7	Anthracene	480		10.7	40	50	ug/L
86-74-8	Carbazole	440		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	460		14.7	40	50	ug/L
206-44-0	Fluoranthene	470		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	500		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	510		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	39.6	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	490		9.4	40	50	ug/L
218-01-9	Chrysene	480		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	460		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	480		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	520		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	510		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	490		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	520		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	510		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	480		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	540		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	360		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	590		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	450		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.181		10-139		81	SPK: -150
13127-88-3	Phenol-d6	109.834		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	104.879		49-133		105	SPK: -100
321-60-8	2-Fluorobiphenyl	90.86		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG041324
Lab Sample ID:	P2070-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060896.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	185.832		32-145		124	SPK: -150
1718-51-0	Terphenyl-d14	90.82		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56802	7.952				
1146-65-2	Naphthalene-d8	224271	10.749				
15067-26-2	Acenaphthene-d10	174225	14.58				
1517-22-2	Phenanthrene-d10	411457	17.33				
1719-03-5	Chrysene-d12	362344	21.589				
1520-96-3	Perylene-d12	413592	24.727				

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG041324
Lab Sample ID:	P2070-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060897.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	430		10.3	80	100	ug/L
110-86-1	Pyridine	320		15.5	40	50	ug/L
100-52-7	Benzaldehyde	42.6	J	40	80	100	ug/L
62-53-3	Aniline	120		16	40	50	ug/L
108-95-2	Phenol	400		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	380		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	450		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	440		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	440		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	440		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	410		16	80	100	ug/L
95-48-7	2-Methylphenol	390		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	410		13.5	40	50	ug/L
98-86-2	Acetophenone	450		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	390		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	390		14.8	25	25	ug/L
67-72-1	Hexachloroethane	440		10.1	40	50	ug/L
98-95-3	Nitrobenzene	480		12.7	40	50	ug/L
78-59-1	Isophorone	430		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	590		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	360		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	420		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	540		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	500		11	40	50	ug/L
65-85-0	Benzoic acid	480		54.7	80	100	ug/L
91-20-3	Naphthalene	430		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	530		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG041324
Lab Sample ID:	P2070-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060897.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	400		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	480		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	440		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1100	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	560		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	510		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	460		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	470		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	540		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	450		9.3	40	50	ug/L
208-96-8	Acenaphthylene	480		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	530		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	110		13.7	40	50	ug/L
83-32-9	Acenaphthene	530		8.1	40	50	ug/L
Total PAH	Total PAH	7530		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1700	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	970	E	20	80	100	ug/L
132-64-9	Dibenzofuran	450		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	590		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	120		27.6	40	100	ug/L
84-66-2	Diethylphthalate	440		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	480		9.8	40	50	ug/L
86-73-7	Fluorene	460		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	410		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	660		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	410		8.9	40	50	ug/L
103-33-3	Azobenzene	430		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	530		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	540		11.4	40	50	ug/L
1912-24-9	Atrazine	160		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG041324
Lab Sample ID:	P2070-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060897.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	450		8.9	40	50	ug/L
120-12-7	Anthracene	460		10.7	40	50	ug/L
86-74-8	Carbazole	400		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	440		14.7	40	50	ug/L
206-44-0	Fluoranthene	450		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	480		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	490		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	36.7	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	470		9.4	40	50	ug/L
218-01-9	Chrysene	460		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	440		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	460		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	500		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	470		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	490		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	480		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	450		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	510		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	340		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	560		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	430		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.316		10-139		77	SPK: -150
13127-88-3	Phenol-d6	105.812		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	101.917		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	86.824		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG041324
Lab Sample ID:	P2070-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060897.D	1	4/12/2024 12:00:00 AM	4/13/2024 12:00:00 AM	PB160203

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	177		32-145		118	SPK: -150
1718-51-0	Terphenyl-d14	87.168		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59143	7.949				
1146-65-2	Naphthalene-d8	231408	10.746				
15067-26-2	Acenaphthene-d10	180480	14.577				
1517-22-2	Phenanthrene-d10	427869	17.327				
1719-03-5	Chrysene-d12	371124	21.592				
1520-96-3	Perylene-d12	422825	24.73				



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

Hit Summary Sheet
SW-846

SDG No.: BG041324

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



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041324 SAS No.: BG041324 SDG NO.: BG041324

EPA Sample No.: SSTDICCC040

Date Analyzed: Apr 13 2024 12:00AM

Lab File ID: BG060703.D

Time Analyzed: 11:04

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 PB160200BL	36179	7.95	144207	10.75	125400	14.58
02 PB160200BS	44805	7.95	188590	10.75	159358	14.58
03 PB160208BL	36542	7.95	143281	10.74	127173	14.58
04 PB160208BS	50120	7.96	205639	10.75	169043	14.58
05 PB160208BSD	53040	7.95	214443	10.75	169699	14.58
06 PB160203BL	38862	7.95	149499	10.74	121384	14.58
07 PB160203BS	45737	7.95	202596	10.75	166177	14.58
08 TP-1	56609	7.95	211473	10.74	171841	14.58
09 TP-1MS	56802	7.95	224271	10.75	174225	14.58
10 TP-1MSD	59143	7.95	231408	10.75	180480	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.: BG041324 SAS No.: BG041324 SDG NO.: BG041324

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 13 2024 12:00AM

Lab File ID: BG060887.D Time Analyzed: 11:04

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	66436	7.953	274584	10.75	215337	14.59
UPPER LIMIT	132872	8.453	549168	11.25	430674	15.087
LOWER LIMIT	33218	7.453	137292	10.25	107668.5	14.087
EPA SAMPLE NO.						
01 PB160200BL	36179	7.95	144207	10.75	125400	14.58
02 PB160200BS	44805	7.95	188590	10.75	159358	14.58
03 PB160208BL	36542	7.95	143281	10.74	127173	14.58
04 PB160208BS	50120	7.96	205639	10.75	169043	14.58
05 PB160208BSD	53040	7.95	214443	10.75	169699	14.58
06 PB160203BL	38862	7.95	149499	10.74	121384	14.58
07 PB160203BS	45737	7.95	202596	10.75	166177	14.58
08 TP-1	56609	7.95	211473	10.74	171841	14.58
09 TP-1MS	56802	7.95	224271	10.75	174225	14.58
10 TP-1MSD	59143	7.95	231408	10.75	180480	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.: BG041324 SAS No.: BG041324 SDG NO.: BG041324

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 13 2024 12:00AM

Lab File ID: BG060703.D Time Analyzed: 11:04

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 PB160200BL	366735	17.33	350078	21.59	399072	24.74
02 PB160200BS	401521	17.33	365434	21.60	411946	24.74
03 PB160208BL	364600	17.33	355678	21.59	408485	24.73
04 PB160208BS	418375	17.33	372491	21.60	413390	24.73
05 PB160208BSD	414050	17.33	370862	21.60	407835	24.73
06 PB160203BL	344596	17.33	356213	21.59	406238	24.73
07 PB160203BS	417646	17.33	377808	21.59	420349	24.73
08 TP-1	422995	17.32	383447	21.59	442973	24.73
09 TP-1MS	411457	17.33	362344	21.59	413592	24.73
10 TP-1MSD	427869	17.33	371124	21.59	422825	24.73

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041324 SAS No.: BG041324 SDG NO.: BG041324

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 13 2024 12:00AM

Lab File ID: BG060887.D Time Analyzed: 11:04

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	506349	17.336	452361	21.602	544565	24.745
UPPER LIMIT	1012698	17.836	904722	22.102	1089130	25.245
LOWER LIMIT	253174.5	16.836	226180.5	21.102	272282.5	24.245
EPA SAMPLE NO.						
01 PB160200BL	366735	17.33	350078	21.59	399072	24.74
02 PB160200BS	401521	17.33	365434	21.60	411946	24.74
03 PB160208BL	364600	17.33	355678	21.59	408485	24.73
04 PB160208BS	418375	17.33	372491	21.60	413390	24.73
05 PB160208BSD	414050	17.33	370862	21.60	407835	24.73
06 PB160203BL	344596	17.33	356213	21.59	406238	24.73
07 PB160203BS	417646	17.33	377808	21.59	420349	24.73
08 TP-1	422995	17.32	383447	21.59	442973	24.73
09 TP-1MS	411457	17.33	362344	21.59	413592	24.73
10 TP-1MSD	427869	17.33	371124	21.59	422825	24.73

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160200BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	880	ug/Kg	52				28	98	
	Benzaldehyde	1700	310	ug/Kg	18				10	147	
	Aniline	1700	740	ug/Kg	44				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1300	ug/Kg	76				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1300	ug/Kg	76				42	116	
	2-Methylphenol	1700	1300	ug/Kg	76				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1100	ug/Kg	65		*		67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	570	ug/Kg	34				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3000	ug/Kg	91				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1300	ug/Kg	76				61	99	
	Acenaphthylene	1700	1300	ug/Kg	76				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	990	ug/Kg	58				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	21500	ug/Kg	79				57	104	
	2,4-Dinitrophenol	3300	5200	ug/Kg	158		*		37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG041324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160200BS	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3200	ug/Kg	94				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1300	ug/Kg	76				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	1300	ug/Kg	76				56	107	
	Azobenzene	1700	1200	ug/Kg	71				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1500	ug/Kg	88				67	113	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1300	ug/Kg	76				59	103	
	Anthracene	1700	1300	ug/Kg	76				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	740	ug/Kg	22				10	98	
	Pyrene	1700	1300	ug/Kg	76				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	980	ug/Kg	58				42	91	
	Benzo(a)anthracene	1700	1300	ug/Kg	76				60	102	
	Chrysene	1700	1300	ug/Kg	76				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				63	111	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				70	108	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	990	ug/Kg	58				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB160203BS	n-Nitrosodimethylamine	50	36.5	ug/L	73					55	108	
	Pyridine	50	25.1	ug/L	50					29	97	
	Benzaldehyde	50	9.1	ug/L	18					15	121	
	Aniline	50	22.5	ug/L	45					10	130	
	Phenol	50	43.6	ug/L	87					66	118	
	bis(2-Chloroethyl)ether	50	35.1	ug/L	70					62	103	
	2-Chlorophenol	50	43.7	ug/L	87					70	117	
	1,2-Dichlorobenzene	50	40.5	ug/L	81					72	102	
	1,3-Dichlorobenzene	50	40.7	ug/L	81					71	103	
	1,4-Dichlorobenzene	50	40.6	ug/L	81					76	103	
	Benzyl Alcohol	50	41.2	ug/L	82					36	93	
	2-Methylphenol	50	39.4	ug/L	79					69	109	
	2,2-oxybis(1-Chloropropane)	50	38.9	ug/L	78					52	103	
	Acetophenone	50	38.9	ug/L	78					60	104	
	3+4-Methylphenols	50	39.9	ug/L	80					67	106	
	N-Nitroso-di-n-propylamine	50	36.2	ug/L	72					57	107	
	Hexachloroethane	50	39.9	ug/L	80					76	118	
	Nitrobenzene	50	41.4	ug/L	83					58	106	
	Isophorone	50	38.4	ug/L	77					61	102	
	2-Nitrophenol	50	52.6	ug/L	105					70	115	
	2,4-Dimethylphenol	50	33	ug/L	66		*			67	130	
	bis(2-Chloroethoxy)methane	50	36.9	ug/L	74					58	109	
	2,4-Dichlorophenol	50	49.2	ug/L	98					66	115	
	1,2,4-Trichlorobenzene	50	42.7	ug/L	85					41	115	
	Benzoic acid	50	50.2	ug/L	100					10	125	
	Naphthalene	50	37.7	ug/L	75					64	107	
	4-Chloroaniline	50	16.6	ug/L	33					10	85	
	Hexachlorobutadiene	50	45.8	ug/L	92					69	101	
	Caprolactam	50	43.3	ug/L	87					58	128	
	4-Chloro-3-methylphenol	50	44.5	ug/L	89					65	114	
	2-Methylnaphthalene	50	37.3	ug/L	75					64	107	
	Hexachlorocyclopentadiene	100	88.4	ug/L	88					36	160	
	2,4,6-Trichlorophenol	50	47.6	ug/L	95					61	110	
	2,4,5-Trichlorophenol	50	45	ug/L	90					70	106	
	1,1-Biphenyl	50	38.3	ug/L	77					72	98	
	2-Chloronaphthalene	50	39.6	ug/L	79					59	106	
	2-Nitroaniline	50	48.3	ug/L	97					58	107	
	Dimethylphthalate	50	39.7	ug/L	79					64	103	
	Acenaphthylene	50	40.1	ug/L	80					65	108	
	2,6-Dinitrotoluene	50	46.5	ug/L	93					64	110	
	3-Nitroaniline	50	29.4	ug/L	59					28	100	
	Acenaphthene	50	45	ug/L	90					59	113	
	Total PAH	800	646.1	ug/L	81					59	113	
	2,4-Dinitrophenol	100	150	ug/L	150		*			64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160203BS	4-Nitrophenol	100	97.5	ug/L	98				68	116		
	Dibenzofuran	50	38.6	ug/L	77				65	106		
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	98.1	ug/L	98				60	115		
	2,4-Dinitrotoluene	50	51.6	ug/L	103				60	115		
	Diethylphthalate	50	38.8	ug/L	78				63	105		
	4-Chlorophenyl-phenylether	50	41.1	ug/L	82				61	104		
	Fluorene	50	39.8	ug/L	80				64	107		
	4-Nitroaniline	50	48.4	ug/L	97				69	112		
	4,6-Dinitro-2-methylphenol	50	57.1	ug/L	114				62	132		
	N-Nitrosodiphenylamine	50	38.2	ug/L	76				61	109		
	Azobenzene	50	37	ug/L	74				59	106		
	4-Bromophenyl-phenylether	50	43.7	ug/L	87				73	103		
	Hexachlorobenzene	50	44.2	ug/L	88				73	106		
	Atrazine	50	43.5	ug/L	87				76	120		
	Pentachlorophenol	100	91.1	ug/L	91				47	114		
	Phenanthrene	50	38.4	ug/L	77				62	109		
	Anthracene	50	38.7	ug/L	77				65	110		
	Carbazole	50	39.2	ug/L	78				62	106		
	Di-n-butylphthalate	50	37.3	ug/L	75				64	106		
	Fluoranthene	50	39.3	ug/L	79				64	110		
	Benzidine	100	20.9	ug/L	21				10	94		
	Pyrene	50	40	ug/L	80				71	103		
	Butylbenzylphthalate	50	41	ug/L	82				61	105		
	3,3-Dichlorobenzidine	50	30	ug/L	60				43	108		
	Benzo(a)anthracene	50	39.9	ug/L	80				62	107		
	Chrysene	50	39.2	ug/L	78				61	108		
	bis(2-Ethylhexyl)phthalate	50	36.6	ug/L	73				59	110		
	Di-n-octyl phthalate	50	39.2	ug/L	78				67	126		
	Benzo(b)fluoranthene	50	42.5	ug/L	85				77	113		
	Benzo(k)fluoranthene	50	41.9	ug/L	84				64	113		
	Benzo(a)pyrene	50	40.6	ug/L	81				72	131		
	Indeno(1,2,3-cd)pyrene	50	42.2	ug/L	84				72	105		
	Dibenz(a,h)anthracene	50	41.2	ug/L	82				78	115		
	Benzo(g,h,i)perylene	50	39.6	ug/L	79				75	118		
	1,2,4,5-Tetrachlorobenzene	50	42	ug/L	84				72	101		
	1,4-Dioxane	50	28	ug/L	56				38	125		
	2,3,4,6-Tetrachlorophenol	50	50	ug/L	100				63	116		
	1-Methylnaphthalene	50	37.5	ug/L	75				51	114		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160208BS	n-Nitrosodimethylamine	50	37.6	ug/L	75				55	108	
	Pyridine	50	25.8	ug/L	52				29	97	
	Benzaldehyde	50	8.6	ug/L	17				15	121	
	Aniline	50	21.7	ug/L	43				10	130	
	Phenol	50	42.1	ug/L	84				66	118	
	bis(2-Chloroethyl)ether	50	35	ug/L	70				62	103	
	2-Chlorophenol	50	42.4	ug/L	85				70	117	
	1,2-Dichlorobenzene	50	40	ug/L	80				72	102	
	1,3-Dichlorobenzene	50	38.8	ug/L	78				71	103	
	1,4-Dichlorobenzene	50	40.6	ug/L	81				76	103	
	Benzyl Alcohol	50	39.5	ug/L	79				36	93	
	2-Methylphenol	50	38	ug/L	76				69	109	
	2,2-oxybis(1-Chloropropane)	50	37.8	ug/L	76				52	103	
	Acetophenone	50	40.2	ug/L	80				60	104	
	3+4-Methylphenols	50	38.4	ug/L	77				67	106	
	N-Nitroso-di-n-propylamine	50	35.4	ug/L	71				57	107	
	Hexachloroethane	50	39.5	ug/L	79				76	118	
	Nitrobenzene	50	41.4	ug/L	83				58	106	
	Isophorone	50	38.1	ug/L	76				61	102	
	2-Nitrophenol	50	53.1	ug/L	106				70	115	
	2,4-Dimethylphenol	50	32.6	ug/L	65		*		67	130	
	bis(2-Chloroethoxy)methane	50	37.2	ug/L	74				58	109	
	2,4-Dichlorophenol	50	47.9	ug/L	96				66	115	
	1,2,4-Trichlorobenzene	50	43.7	ug/L	87				41	115	
	Benzoic acid	50	48	ug/L	96				10	125	
	Naphthalene	50	38.6	ug/L	77				64	107	
	4-Chloroaniline	50	15.5	ug/L	31				10	85	
	Hexachlorobutadiene	50	46.8	ug/L	94				69	101	
	Caprolactam	50	42.2	ug/L	84				58	128	
	4-Chloro-3-methylphenol	50	45	ug/L	90				65	114	
	2-Methylnaphthalene	50	38.5	ug/L	77				64	107	
	Hexachlorocyclopentadiene	100	92.2	ug/L	92				36	160	
	2,4,6-Trichlorophenol	50	47.9	ug/L	96				61	110	
	2,4,5-Trichlorophenol	50	44	ug/L	88				70	106	
	1,1-Biphenyl	50	38.6	ug/L	77				72	98	
	2-Chloronaphthalene	50	40	ug/L	80				59	106	
	2-Nitroaniline	50	47.8	ug/L	96				58	107	
	Dimethylphthalate	50	38.5	ug/L	77				64	103	
	Acenaphthylene	50	40.6	ug/L	81				65	108	
	2,6-Dinitrotoluene	50	44.6	ug/L	89				64	110	
	3-Nitroaniline	50	28.8	ug/L	58				28	100	
	Acenaphthene	50	44.5	ug/L	89				59	113	
	Total PAH	800	648.5	ug/L	81				59	113	
	2,4-Dinitrophenol	100	150	ug/L	150		*		64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160208BS	4-Nitrophenol	100	97.8	ug/L	98				68	116	
	Dibenzofuran	50	38.3	ug/L	77				65	106	
	2,4-Dinitrotoluene	50	49.7	ug/L	99				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	94.3	ug/L	94				60	115	
	Diethylphthalate	50	38.5	ug/L	77				63	105	
	4-Chlorophenyl-phenylether	50	40.7	ug/L	81				61	104	
	Fluorene	50	39.4	ug/L	79				64	107	
	4-Nitroaniline	50	47.5	ug/L	95				69	112	
	4,6-Dinitro-2-methylphenol	50	55.7	ug/L	111				62	132	
	N-Nitrosodiphenylamine	50	37.6	ug/L	75				61	109	
	Azobenzene	50	36.9	ug/L	74				59	106	
	4-Bromophenyl-phenylether	50	43.2	ug/L	86				73	103	
	Hexachlorobenzene	50	43.9	ug/L	88				73	106	
	Atrazine	50	43.3	ug/L	87				76	120	
	Pentachlorophenol	100	90.2	ug/L	90				47	114	
	Phenanthrene	50	38.3	ug/L	77				62	109	
	Anthracene	50	38.4	ug/L	77				65	110	
	Carbazole	50	38.5	ug/L	77				62	106	
	Di-n-butylphthalate	50	36.7	ug/L	73				64	106	
	Fluoranthene	50	38.9	ug/L	78				64	110	
	Benzidine	100	21.8	ug/L	22				10	94	
	Pyrene	50	40.2	ug/L	80				71	103	
	Butylbenzylphthalate	50	40.8	ug/L	82				61	105	
	3,3-Dichlorobenzidine	50	28.7	ug/L	57				43	108	
	Benzo(a)anthracene	50	39.9	ug/L	80				62	107	
	Chrysene	50	38.9	ug/L	78				61	108	
	bis(2-Ethylhexyl)phthalate	50	36.7	ug/L	73				59	110	
	Di-n-octyl phthalate	50	39.1	ug/L	78				67	126	
	Benzo(b)fluoranthene	50	43.1	ug/L	86				77	113	
	Benzo(k)fluoranthene	50	41.4	ug/L	83				64	113	
	Benzo(a)pyrene	50	41.1	ug/L	82				72	131	
	Indeno(1,2,3-cd)pyrene	50	43.1	ug/L	86				72	105	
	Dibenz(a,h)anthracene	50	42.1	ug/L	84				78	115	
	Benzo(g,h,i)perylene	50	40	ug/L	80				75	118	
	1,2,4,5-Tetrachlorobenzene	50	43.2	ug/L	86				72	101	
	1,4-Dioxane	50	28.5	ug/L	57				38	125	
	2,3,4,6-Tetrachlorophenol	50	49.3	ug/L	99				63	116	
	1-Methylnaphthalene	50	38.4	ug/L	77				51	114	
PB160208BSD	n-Nitrosodimethylamine	50	37.5	ug/L	75	0			55	108	20
	Pyridine	50	25.4	ug/L	51	2			29	97	20
	Benzaldehyde	50	8.8	ug/L	18	2			15	121	20
	Aniline	50	20.8	ug/L	42	4			10	130	20
	Phenol	50	40.3	ug/L	81	4			66	118	20
	bis(2-Chloroethyl)ether	50	34	ug/L	68	3			62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160208BSD	2-Chlorophenol	50	41.3	ug/L	83	3			70	117	20
	1,2-Dichlorobenzene	50	39.3	ug/L	79	2			72	102	20
	1,3-Dichlorobenzene	50	39.2	ug/L	78	1			71	103	20
	1,4-Dichlorobenzene	50	40.3	ug/L	81	1			76	103	20
	Benzyl Alcohol	50	38	ug/L	76	4			36	93	20
	2-Methylphenol	50	36.9	ug/L	74	3			69	109	20
	2,2-oxybis(1-Chloropropane)	50	37.7	ug/L	75	0			52	103	20
	Acetophenone	50	39.2	ug/L	78	3			60	104	20
	3+4-Methylphenols	50	36.6	ug/L	73	5			67	106	20
	N-Nitroso-di-n-propylamine	50	34.1	ug/L	68	4			57	107	20
	Hexachloroethane	50	39.2	ug/L	78	1			76	118	20
	Nitrobenzene	50	40.7	ug/L	81	2			58	106	20
	Isophorone	50	37.1	ug/L	74	3			61	102	20
	2-Nitrophenol	50	53.2	ug/L	106	0			70	115	20
	2,4-Dimethylphenol	50	32.4	ug/L	65	1	*		67	130	20
	bis(2-Chloroethoxy)methane	50	36.7	ug/L	73	1			58	109	20
	2,4-Dichlorophenol	50	46.2	ug/L	92	4			66	115	20
	1,2,4-Trichlorobenzene	50	43.2	ug/L	86	1			41	115	20
	Benzoic acid	50	48.9	ug/L	98	2			10	125	20
	Naphthalene	50	37.8	ug/L	76	2			64	107	20
	4-Chloroaniline	50	15.5	ug/L	31	0			10	85	20
	Hexachlorobutadiene	50	47.5	ug/L	95	1			69	101	20
	Caprolactam	50	41.4	ug/L	83	2			58	128	20
	4-Chloro-3-methylphenol	50	43.5	ug/L	87	3			65	114	20
	2-Methylnaphthalene	50	37.6	ug/L	75	2			64	107	20
	Hexachlorocyclopentadiene	100	93.7	ug/L	94	2			36	160	20
	2,4,6-Trichlorophenol	50	47.8	ug/L	96	0			61	110	20
	2,4,5-Trichlorophenol	50	44	ug/L	88	0			70	106	20
	1,1-Biphenyl	50	38.9	ug/L	78	1			72	98	20
	2-Chloronaphthalene	50	40	ug/L	80	0			59	106	20
	2-Nitroaniline	50	48	ug/L	96	0			58	107	20
	Dimethylphthalate	50	38.6	ug/L	77	0			64	103	20
	Acenaphthylene	50	40.4	ug/L	81	0			65	108	20
	2,6-Dinitrotoluene	50	45.2	ug/L	90	1			64	110	20
	3-Nitroaniline	50	29.3	ug/L	59	2			28	100	20
	Acenaphthene	50	45	ug/L	90	1			59	113	20
	Total PAH	800	652.7	ug/L	82	1			59	113	20
	2,4-Dinitrophenol	100	150	ug/L	150	0	*		64	132	20
	4-Nitrophenol	100	99.3	ug/L	99	2			68	116	20
	Dibenzofuran	50	38.4	ug/L	77	0			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	95.5	ug/L	96	1			60	115	20
	2,4-Dinitrotoluene	50	50.3	ug/L	101	1			60	115	20
	Diethylphthalate	50	38.1	ug/L	76	1			63	105	20
	4-Chlorophenyl-phenylether	50	40.6	ug/L	81	0			61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160208BSD	Fluorene	50	39.4	ug/L	79	0			64	107	20
	4-Nitroaniline	50	46.6	ug/L	93	2			69	112	20
	4,6-Dinitro-2-methylphenol	50	57.4	ug/L	115	3			62	132	20
	N-Nitrosodiphenylamine	50	38.3	ug/L	77	2			61	109	20
	Azobenzene	50	36.2	ug/L	72	2			59	106	20
	4-Bromophenyl-phenylether	50	43.4	ug/L	87	0			73	103	20
	Hexachlorobenzene	50	44.5	ug/L	89	1			73	106	20
	Atrazine	50	43.4	ug/L	87	0			76	120	20
	Pentachlorophenol	100	91.5	ug/L	92	1			47	114	20
	Phenanthrene	50	38.5	ug/L	77	1			62	109	20
	Anthracene	50	38.4	ug/L	77	0			65	110	20
	Carbazole	50	39.1	ug/L	78	2			62	106	20
	Di-n-butylphthalate	50	36.8	ug/L	74	0			64	106	20
	Fluoranthene	50	38.8	ug/L	78	0			64	110	20
	Benzidine	100	22.1	ug/L	22	1			10	94	20
	Pyrene	50	40.8	ug/L	82	1			71	103	20
	Butylbenzylphthalate	50	40.8	ug/L	82	0			61	105	20
	3,3-Dichlorobenzidine	50	29.5	ug/L	59	3			43	108	20
	Benzo(a)anthracene	50	40.1	ug/L	80	0			62	107	20
	Chrysene	50	39.3	ug/L	79	1			61	108	20
	bis(2-Ethylhexyl)phthalate	50	37.1	ug/L	74	1			59	110	20
	Di-n-octyl phthalate	50	39.6	ug/L	79	1			67	126	20
	Benzo(b)fluoranthene	50	43.9	ug/L	88	2			77	113	20
	Benzo(k)fluoranthene	50	42	ug/L	84	1			64	113	20
	Benzo(a)pyrene	50	42	ug/L	84	2			72	131	20
	Indeno(1,2,3-cd)pyrene	50	43.3	ug/L	87	0			72	105	20
	Dibenz(a,h)anthracene	50	42.5	ug/L	85	1			78	115	20
	Benzo(g,h,i)perylene	50	40.5	ug/L	81	1			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	43.7	ug/L	87	1			72	101	20
	1,4-Dioxane	50	28.5	ug/L	57	0			38	125	20
	2,3,4,6-Tetrachlorophenol	50	48.5	ug/L	97	2			63	116	20
	1-Methylnaphthalene	50	37.2	ug/L	74	3			51	114	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160200BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041324

SAS No.: BG041324 SDG NO.: BG041324

Lab File ID: BG060888.D

Lab Sample ID: PB160200BL

Instrument ID: BNA_G

Date Extracted: 04/12/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/13/2024

Level: (low/med) LOW

Time Analyzed: 11:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160200BS	PB160200BS	BG060889.D	04/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160203BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041324

SAS No.: BG041324 SDG NO.: BG041324

Lab File ID: BG060893.D

Lab Sample ID: PB160203BL

Instrument ID: BNA_G

Date Extracted: 04/12/2024

Matrix: (soil/water) water

Date Analyzed: 04/13/2024

Level: (low/med) LOW

Time Analyzed: 14:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160203BS	PB160203BS	BG060894.D	04/13/2024
TP-1	P2070-02	BG060895.D	04/13/2024
TP-1MS	P2070-02MS	BG060896.D	04/13/2024
TP-1MSD	P2070-02MSD	BG060897.D	04/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160208BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041324

SAS No.: BG041324 SDG NO.: BG041324

Lab File ID: BG060890.D

Lab Sample ID: PB160208BL

Instrument ID: BNA_G

Date Extracted: 04/12/2024

Matrix: (soil/water) Water

Date Analyzed: 04/13/2024

Level: (low/med) LOW

Time Analyzed: 12:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160208BS	PB160208BS	BG060891.D	04/13/2024
PB160208BSD	PB160208BSD	BG060892.D	04/13/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2070-02MS	Client Sample ID:	TP-1MS					DataFile:	BG060896.D		
n-Nitrosodimethylamine	500		460	ug/L	92				10	130	
Pyridine	500		330	ug/L	66				10	109	
Benzaldehyde	500		47.4	ug/L	9	*			10	137	
Aniline	500		140	ug/L	28				10	130	
Phenol	500		410	ug/L	82				10	130	
bis(2-Chloroethyl)ether	500		400	ug/L	80				29	141	
2-Chlorophenol	500		470	ug/L	94				23	127	
1,2-Dichlorobenzene	500		460	ug/L	92				61	114	
1,3-Dichlorobenzene	500		460	ug/L	92				65	106	
1,4-Dichlorobenzene	500		470	ug/L	94				55	125	
Benzyl Alcohol	500		440	ug/L	88				31	94	
2-Methylphenol	500		410	ug/L	82				23	132	
2,2-oxybis(1-Chloropropane)	500		430	ug/L	86				36	141	
Acetophenone	500		480	ug/L	96				31	164	
3+4-Methylphenols	500		410	ug/L	82				17	136	
N-Nitroso-di-n-propylamine	500		400	ug/L	80				36	147	
Hexachloroethane	500		460	ug/L	92				35	137	
Nitrobenzene	500		500	ug/L	100				40	134	
Isophorone	500		460	ug/L	92				39	146	
2-Nitrophenol	500		610	ug/L	122				30	148	
2,4-Dimethylphenol	500		380	ug/L	76				17	143	
bis(2-Chloroethoxy)methane	500		440	ug/L	88				39	143	
2,4-Dichlorophenol	500		560	ug/L	112				22	146	
1,2,4-Trichlorobenzene	500		520	ug/L	104				66	110	
Benzoic acid	500		500	ug/L	100				10	101	
Naphthalene	500		460	ug/L	92				17	157	
4-Chloroaniline	500		26.3	ug/L	5	*			10	95	
Hexachlorobutadiene	500		560	ug/L	112				52	125	
Caprolactam	500		420	ug/L	84				10	130	
4-Chloro-3-methylphenol	500		510	ug/L	102				17	148	
2-Methylnaphthalene	500		460	ug/L	92				38	146	
Hexachlorocyclopentadiene	1000		1200	ug/L	120				20	153	
2,4,6-Trichlorophenol	500		590	ug/L	118				46	139	
2,4,5-Trichlorophenol	500		540	ug/L	108				42	129	
1,1-Biphenyl	500		490	ug/L	98				38	154	
2-Chloronaphthalene	500		500	ug/L	100				41	145	
2-Nitroaniline	500		560	ug/L	112				39	151	
Dimethylphthalate	500		480	ug/L	96				42	147	
Acenaphthylene	500		500	ug/L	100				40	141	
2,6-Dinitrotoluene	500		550	ug/L	110				43	148	
3-Nitroaniline	500		120	ug/L	24				10	111	
Acenaphthene	500		550	ug/L	110				37	146	
Total PAH	8000		7920	ug/L	99				37	146	
2,4-Dinitrophenol	1000		1800	ug/L	180	*			14	167	
4-Nitrophenol	1000		1100	ug/L	110				10	130	
Dibenzofuran	500		480	ug/L	96				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		600	ug/L	120				40	151	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1150	ug/L	115				40	151	
Diethylphthalate	500		460	ug/L	92				41	148	
4-Chlorophenyl-phenylether	500		490	ug/L	98				38	149	
Fluorene	500		480	ug/L	96				39	144	
4-Nitroaniline	500		440	ug/L	88				27	138	
4,6-Dinitro-2-methylphenol	500		690	ug/L	138				32	175	
N-Nitrosodiphenylamine	500		450	ug/L	90				40	150	
Azobenzene	500		450	ug/L	90				72	112	
4-Bromophenyl-phenylether	500		550	ug/L	110				42	151	
Hexachlorobenzene	500		570	ug/L	114				60	129	
Atrazine	500		220	ug/L	44				20	162	
Pentachlorophenol	1000		1100	ug/L	110				15	137	
Phenanthrene	500		480	ug/L	96				40	147	
Anthracene	500		480	ug/L	96				41	146	
Carbazole	500		440	ug/L	88				37	154	
Di-n-butylphthalate	500		460	ug/L	92				40	151	
Fluoranthene	500		470	ug/L	94				42	146	
Benzidine	1000			ug/L		*			10	130	
Pyrene	500		500	ug/L	100				41	149	
Butylbenzylphthalate	500		510	ug/L	102				39	155	
3,3-Dichlorobenzidine	500		39.6	ug/L	8	*			10	114	
Benzo(a)anthracene	500		490	ug/L	98				41	147	
Chrysene	500		480	ug/L	96				44	144	
bis(2-Ethylhexyl)phthalate	500		460	ug/L	92				33	160	
Di-n-octyl phthalate	500		480	ug/L	96				36	158	
Benzo(b)fluoranthene	500		520	ug/L	104				40	150	
Benzo(k)fluoranthene	500		510	ug/L	102				40	147	
Benzo(a)pyrene	500		490	ug/L	98				42	147	
Indeno(1,2,3-cd)pyrene	500		520	ug/L	104				30	166	
Dibenz(a,h)anthracene	500		510	ug/L	102				23	172	
Benzo(g,h,i)perylene	500		480	ug/L	96				27	167	
1,2,4,5-Tetrachlorobenzene	500		540	ug/L	108	*			89	102	
1,4-Dioxane	500		360	ug/L	72				38	130	
2,3,4,6-Tetrachlorophenol	500		590	ug/L	118	*			91	111	
1-Methylnaphthalene	500		450	ug/L	90				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2070-02MSD	Client Sample ID:	TP-1MSD					DataFile:	BG060897.D		
n-Nitrosodimethylamine	500		430	ug/L	86		7		10	130	20
Pyridine	500		320	ug/L	64		3		10	109	20
Benzaldehyde	500		42.6	ug/L	9	*	0		10	137	20
Aniline	500		120	ug/L	24		15		10	130	20
Phenol	500		400	ug/L	80		2		10	130	20
bis(2-Chloroethyl)ether	500		380	ug/L	76		5		29	141	20
2-Chlorophenol	500		450	ug/L	90		4		23	127	20
1,2-Dichlorobenzene	500		440	ug/L	88		4		61	114	20
1,3-Dichlorobenzene	500		440	ug/L	88		4		65	106	20
1,4-Dichlorobenzene	500		440	ug/L	88		7		55	125	20
Benzyl Alcohol	500		410	ug/L	82		7		31	94	20
2-Methylphenol	500		390	ug/L	78		5		23	132	20
2,2-oxybis(1-Chloropropane)	500		410	ug/L	82		5		36	141	20
Acetophenone	500		450	ug/L	90		6		31	164	20
3+4-Methylphenols	500		390	ug/L	78		5		17	136	20
N-Nitroso-di-n-propylamine	500		390	ug/L	78		3		36	147	20
Hexachloroethane	500		440	ug/L	88		4		35	137	20
Nitrobenzene	500		480	ug/L	96		4		40	134	20
Isophorone	500		430	ug/L	86		7		39	146	20
2-Nitrophenol	500		590	ug/L	118		3		30	148	20
2,4-Dimethylphenol	500		360	ug/L	72		5		17	143	20
bis(2-Chloroethoxy)methane	500		420	ug/L	84		5		39	143	20
2,4-Dichlorophenol	500		540	ug/L	108		4		22	146	20
1,2,4-Trichlorobenzene	500		500	ug/L	100		4		66	110	20
Benzoic acid	500		480	ug/L	96		4		10	101	20
Naphthalene	500		430	ug/L	86		7		17	157	20
4-Chloroaniline	500			ug/L		*			10	95	20
Hexachlorobutadiene	500		530	ug/L	106		6		52	125	20
Caprolactam	500		400	ug/L	80		5		10	130	20
4-Chloro-3-methylphenol	500		480	ug/L	96		6		17	148	20
2-Methylnaphthalene	500		440	ug/L	88		4		38	146	20
Hexachlorocyclopentadiene	1000		1100	ug/L	110		9		20	153	20
2,4,6-Trichlorophenol	500		560	ug/L	112		5		46	139	20
2,4,5-Trichlorophenol	500		510	ug/L	102		6		42	129	20
1,1-Biphenyl	500		460	ug/L	92		6		38	154	20
2-Chloronaphthalene	500		470	ug/L	94		6		41	145	20
2-Nitroaniline	500		540	ug/L	108		4		39	151	20
Dimethylphthalate	500		450	ug/L	90		6		42	147	20
Acenaphthylene	500		480	ug/L	96		4		40	141	20
2,6-Dinitrotoluene	500		530	ug/L	106		4		43	148	20
3-Nitroaniline	500		110	ug/L	22		9		10	111	20
Acenaphthene	500		530	ug/L	106		4		37	146	20
Total PAH	8000		7530	ug/L	94		5		37	146	20
2,4-Dinitrophenol	1000		1700	ug/L	170	*	6		14	167	20
4-Nitrophenol	1000		970	ug/L	97		13		10	130	20
Dibenzofuran	500		450	ug/L	90		6		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		590	ug/L	118		2		40	151	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1120	ug/L	112		3		40	151	20
Diethylphthalate	500		440	ug/L	88		4		41	148	20
4-Chlorophenyl-phenylether	500		480	ug/L	96		2		38	149	20
Fluorene	500		460	ug/L	92		4		39	144	20
4-Nitroaniline	500		410	ug/L	82		7		27	138	20
4,6-Dinitro-2-methylphenol	500		660	ug/L	132		4		32	175	20
N-Nitrosodiphenylamine	500		410	ug/L	82		9		40	150	20
Azobenzene	500		430	ug/L	86		5		72	112	20
4-Bromophenyl-phenylether	500		530	ug/L	106		4		42	151	20
Hexachlorobenzene	500		540	ug/L	108		5		60	129	20
Atrazine	500		160	ug/L	32		32	*	20	162	20
Pentachlorophenol	1000		1100	ug/L	110		0		15	137	20
Phenanthrene	500		450	ug/L	90		6		40	147	20
Anthracene	500		460	ug/L	92		4		41	146	20
Carbazole	500		400	ug/L	80		10		37	154	20
Di-n-butylphthalate	500		440	ug/L	88		4		40	151	20
Fluoranthene	500		450	ug/L	90		4		42	146	20
Benzidine	1000			ug/L		*			10	130	20
Pyrene	500		480	ug/L	96		4		41	149	20
Butylbenzylphthalate	500		490	ug/L	98		4		39	155	20
3,3-Dichlorobenzidine	500		36.7	ug/L	7	*	13		10	114	20
Benzo(a)anthracene	500		470	ug/L	94		4		41	147	20
Chrysene	500		460	ug/L	92		4		44	144	20
bis(2-Ethylhexyl)phthalate	500		440	ug/L	88		4		33	160	20
Di-n-octyl phthalate	500		460	ug/L	92		4		36	158	20
Benzo(b)fluoranthene	500		500	ug/L	100		4		40	150	20
Benzo(k)fluoranthene	500		470	ug/L	94		8		40	147	20
Benzo(a)pyrene	500		470	ug/L	94		4		42	147	20
Indeno(1,2,3-cd)pyrene	500		490	ug/L	98		6		30	166	20
Dibenz(a,h)anthracene	500		480	ug/L	96		6		23	172	20
Benzo(g,h,i)perylene	500		450	ug/L	90		6		27	167	20
1,2,4,5-Tetrachlorobenzene	500		510	ug/L	102		6		89	102	20
1,4-Dioxane	500		340	ug/L	68		6		38	130	20
2,3,4,6-Tetrachlorophenol	500		560	ug/L	112	*	5		91	111	20
1-Methylnaphthalene	500		430	ug/L	86		5		25	151	20

Surrogate Summary

SW-846

SDG No.: **BG041324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160200BL	PB160200BL	BG060888.D	2-Fluorophenol	150	119.86	80		18	112
			Phenol-d6	150	116.00	77		15	107
			Nitrobenzene-d5	100	90.89	91		18	107
			2-Fluorobiphenyl	100	74.75	75		20	109
			2,4,6-Tribromophenol	150	182.09	121	*	10	110
			Terphenyl-d14	100	78.94	79		14	112
PB160200BS	PB160200BS	BG060889.D	2-Fluorophenol	150	119.42	80		18	112
			Phenol-d6	150	119.78	80		15	107
			Nitrobenzene-d5	100	90.34	90		18	107
			2-Fluorobiphenyl	100	75.47	75		20	109
			2,4,6-Tribromophenol	150	168.22	112	*	10	110
			Terphenyl-d14	100	80.41	80		14	112

Surrogate Summary

SW-846

SDG No.: **BG041324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2070-02	TP-1	BG060895.D	2-Fluorophenol	150	113.40	76		10	139
			Phenol-d6	150	95.20	63		10	134
			Nitrobenzene-d5	100	108.43	108		49	133
			2-Fluorobiphenyl	100	84.69	85		52	132
			2,4,6-Tribromophenol	150	189.35	126		32	145
			Terphenyl-d14	100	91.16	91		36	145
P2070-02MS	TP-1MS	BG060896.D	2-Fluorophenol	150	121.18	81		10	139
			Phenol-d6	150	109.83	73		10	134
			Nitrobenzene-d5	100	104.88	105		49	133
			2-Fluorobiphenyl	100	90.86	91		52	132
			2,4,6-Tribromophenol	150	185.83	124		32	145
			Terphenyl-d14	100	90.82	91		36	145
P2070-02MSD	TP-1MSD	BG060897.D	2-Fluorophenol	150	115.32	77		10	139
			Phenol-d6	150	105.81	71		10	134
			Nitrobenzene-d5	100	101.92	102		49	133
			2-Fluorobiphenyl	100	86.82	87		52	132
			2,4,6-Tribromophenol	150	177.00	118		32	145
			Terphenyl-d14	100	87.17	87		36	145
PB160203BL	PB160203BL	BG060893.D	2-Fluorophenol	150	116.87	78		10	139
			Phenol-d6	150	105.99	71		10	134
			Nitrobenzene-d5	100	88.98	89		49	133
			2-Fluorobiphenyl	100	74.93	75		52	132
			2,4,6-Tribromophenol	150	176.00	117		32	145
			Terphenyl-d14	100	78.38	78		36	145
PB160203BS	PB160203BS	BG060894.D	2-Fluorophenol	150	120.89	81		10	139
			Phenol-d6	150	120.69	80		10	134
			Nitrobenzene-d5	100	89.98	90		49	133
			2-Fluorobiphenyl	100	75.28	75		52	132
			2,4,6-Tribromophenol	150	167.02	111		32	145
			Terphenyl-d14	100	78.97	79		36	145

Surrogate Summary

SW-846

SDG No.: **BG041324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160208BL	PB160208BL	BG060890.D	2-Fluorophenol	150	118.58	79		10	139
			Phenol-d6	150	116.81	78		10	134
			Nitrobenzene-d5	100	95.89	96		49	133
			2-Fluorobiphenyl	100	74.15	74		52	132
			2,4,6-Tribromophenol	150	176.93	118		32	145
			Terphenyl-d14	100	79.75	80		36	145
PB160208BS	PB160208BS	BG060891.D	2-Fluorophenol	150	117.84	79		10	139
			Phenol-d6	150	112.83	75		10	134
			Nitrobenzene-d5	100	89.25	89		49	133
			2-Fluorobiphenyl	100	75.60	76		52	132
			2,4,6-Tribromophenol	150	162.46	108		32	145
			Terphenyl-d14	100	79.66	80		36	145
PB160208BSD	PB160208BSD	BG060892.D	2-Fluorophenol	150	114.07	76		10	139
			Phenol-d6	150	112.28	75		10	134
			Nitrobenzene-d5	100	89.16	89		49	133
			2-Fluorobiphenyl	100	76.25	76		52	132
			2,4,6-Tribromophenol	150	162.58	108		32	145
			Terphenyl-d14	100	80.05	80		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG041324

Lab Code: CHEM

SAS No.: BG041324

SDG NO.: BG041324

Lab File ID: BG060886.D

DFTPP Injection Date: 04/13/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.8
68	Less than 2.0% of mass 69	0.1 (0.5) 1
69	Mass 69 relative abundance	29
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	36.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.4
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BG060887.D	04/13/2024	10:23
PB160200BL	PB160200BL	BG060888.D	04/13/2024	11:04
PB160200BS	PB160200BS	BG060889.D	04/13/2024	11:44
PB160208BL	PB160208BL	BG060890.D	04/13/2024	12:25
PB160208BS	PB160208BS	BG060891.D	04/13/2024	13:06
PB160208BSD	PB160208BSD	BG060892.D	04/13/2024	13:46
PB160203BL	PB160203BL	BG060893.D	04/13/2024	14:28
PB160203BS	PB160203BS	BG060894.D	04/13/2024	15:08
TP-1	P2070-02	BG060895.D	04/13/2024	15:53
TP-1MS	P2070-02MS	BG060896.D	04/13/2024	16:34
TP-1MSD	P2070-02MSD	BG060897.D	04/13/2024	17:15