

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG051424 SAS No.: BG051424 SDG No.: BG051424

Instrument ID: BNA_G Calibration Date/Time: 5/14/2024 1:09:55

Lab File ID: BG061183.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	1.124	1.003		-10.765	
Pyridine	1.170	1.100		-5.983	
2-Fluorophenol	0.983	1.052		7.019	
Benzaldehyde	0.820	0.799		-2.561	
Aniline	1.442	1.398		-3.051	
Phenol-d6	1.455	1.487		2.199	
Phenol	1.479	1.456		-1.555	20.0
bis(2-Chloroethyl) ether	1.022	0.984		-3.718	
2-Chlorophenol	1.206	1.124		-6.799	
1,2-Dichlorobenzene	1.418	1.334		-5.924	
1,3-Dichlorobenzene	1.422	1.369		-3.727	
1,4-Dichlorobenzene	1.470	1.413		-3.878	20.0
Benzyl Alcohol	1.312	1.191		-9.223	
2-Methylphenol	1.054	1.007		-4.459	
2,2-oxybis(1-Chloropropane)	2.218	2.244		1.172	
Acetophenone	0.498	0.498		0.0	
3+4-Methylphenols	1.521	1.412		-7.166	
n-Nitroso-di-n-propylamine	1.089	1.050	0.050	-3.581	
Nitrobenzene-d5	0.403	0.403		0.0	
Hexachloroethane	0.525	0.504		-4.0	
Nitrobenzene	0.395	0.397		0.506	
Isophorone	0.746	0.698		-6.434	
2-Nitrophenol	0.187	0.182		-2.674	20.0
2,4-Dimethylphenol	0.216	0.205		-5.093	
bis(2-Chloroethoxy) methane	0.366	0.360		-1.639	
2,4-Dichlorophenol	0.338	0.316		-6.509	20.0
1,2,4-Trichlorobenzene	0.407	0.387		-4.914	
Benzoic acid	0.249	0.158		-36.546	
Naphthalene	1.039	0.986		-5.101	
4-Chloroaniline	0.415	0.384		-7.47	
Hexachlorobutadiene	0.349	0.344		-1.433	20.0
Caprolactam	0.122	0.106		-13.115	
4-Chloro-3-methylphenol	0.407	0.375		-7.862	20.0
2-Methylnaphthalene	0.779	0.720		-7.574	
Hexachlorocyclopentadiene	0.256	0.303	0.050	18.359	
2,4,6-Trichlorophenol	0.429	0.411		-4.196	20.0
2-Fluorobiphenyl	1.353	1.423		5.174	
2,4,5-Trichlorophenol	0.485	0.475		-2.062	
1,1-Biphenyl	1.282	1.301		1.482	

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Lab File ID: BG061183.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	1.027	1.039		1.168	
2-Nitroaniline	0.381	0.396		3.937	
Dimethylphthalate	1.545	1.507		-2.46	
Acenaphthylene	1.577	1.572		-0.317	
2,6-Dinitrotoluene	0.330	0.336		1.818	
3-Nitroaniline	0.302	0.289		-4.305	
Acenaphthene	0.984	0.947		-3.76	20.0
2,4-Dinitrophenol	0.213	0.225	0.050	5.634	
4-Nitrophenol	0.244	0.195	0.050	-20.082	
Dibenzofuran	1.662	1.603		-3.55	
2,4-Dinitrotoluene	0.489	0.478		-2.249	
Diethylphthalate	1.558	1.458		-6.418	
4-Chlorophenyl-phenylether	0.863	0.813		-5.794	
Fluorene	1.438	1.386		-3.616	
4-Nitroaniline	0.328	0.313		-4.573	
4,6-Dinitro-2-methylphenol	0.124	0.119		-4.032	
n-Nitrosodiphenylamine	0.496	0.492		-0.806	20.0
Azobenzene	1.213	1.198		-1.237	
2,4,6-Tribromophenol	0.400	0.359		-10.25	
4-Bromophenyl-phenylether	0.236	0.242		2.542	
Hexachlorobenzene	0.293	0.287		-2.048	
Atrazine	0.205	0.191		-6.829	
Pentachlorophenol	0.180	0.165		-8.333	20.0
Phenanthrene	0.914	0.898		-1.751	
Anthracene	0.913	0.902		-1.205	
Carbazole	0.802	0.798		-0.499	
Di-n-butylphthalate	0.954	0.949		-0.524	
Fluoranthene	1.253	1.228		-1.995	20.0
Benzidine	0.328	0.396		20.732	
Pyrene	1.272	1.252		-1.572	
Terphenyl-d14	1.203	1.150		-4.406	
Butylbenzylphthalate	0.402	0.394		-1.99	
3,3-Dichlorobenzidine	0.471	0.448		-4.883	
Benzo(a)anthracene	1.309	1.269		-3.056	
Chrysene	1.226	1.178		-3.915	
Bis(2-ethylhexyl)phthalate	0.526	0.540		2.662	
Di-n-octyl phthalate	0.927	0.898		-3.128	20.0
Benzo(b)fluoranthene	1.118	1.057		-5.456	
Benzo(k)fluoranthene	1.075	1.022		-4.93	

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Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG051424 SAS No.: BG051424 SDG No.: BG051424
 Instrument ID: BNA_G Calibration Date/Time: 5/14/2024 1:09:55
 Lab File ID: BG061183.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	0.974	0.935		-4.004	20.0
Indeno(1,2,3-cd)pyrene	1.325	1.298		-2.038	
Dibenzo(a,h)anthracene	1.098	1.066		-2.914	
Benzo(g,h,i)perylene	1.091	1.065		-2.383	
1,2,4,5-Tetrachlorobenzene	0.667	0.708		6.147	
1,4-Dioxane	0.398	0.372		-6.533	20.0
2,3,4,6-Tetrachlorophenol	0.499	0.455		-8.818	
1-Methylnaphthalene	0.784	0.724		-7.653	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG051424 SAS No.: BG051424 SDG No.: BG051424

Instrument ID: BNA_G Calibration Date/Time: 5/14/2024 1: 20:00

Lab File ID: BG061197.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	1.124	0.844		-24.911	50.0
Pyridine	1.170	0.911		-22.137	50.0
2-Fluorophenol	0.983	0.950		-3.357	50.0
Benzaldehyde	0.820	0.800		-2.439	50.0
Aniline	1.442	1.170		-18.863	50.0
Phenol-d6	1.455	1.313		-9.759	50.0
Phenol	1.479	1.282		-13.32	50.0
bis(2-Chloroethyl) ether	1.022	0.929		-9.1	50.0
2-Chlorophenol	1.206	1.085		-10.033	50.0
1,2-Dichlorobenzene	1.418	1.284		-9.45	50.0
1,3-Dichlorobenzene	1.422	1.334		-6.188	50.0
1,4-Dichlorobenzene	1.470	1.328		-9.66	50.0
Benzyl Alcohol	1.312	1.014		-22.713	50.0
2-Methylphenol	1.054	0.876		-16.888	50.0
2,2-oxybis(1-Chloropropane)	2.218	1.984		-10.55	50.0
Acetophenone	0.498	0.525		5.422	50.0
3+4-Methylphenols	1.521	1.219		-19.855	50.0
n-Nitroso-di-n-propylamine	1.089	0.828	0.050	-23.967	50.0
Nitrobenzene-d5	0.403	0.421		4.467	50.0
Hexachloroethane	0.525	0.474		-9.714	50.0
Nitrobenzene	0.395	0.404		2.278	50.0
Isophorone	0.746	0.694		-6.971	50.0
2-Nitrophenol	0.187	0.178		-4.813	50.0
2,4-Dimethylphenol	0.216	0.208		-3.704	50.0
bis(2-Chloroethoxy) methane	0.366	0.359		-1.913	50.0
2,4-Dichlorophenol	0.338	0.327		-3.254	50.0
1,2,4-Trichlorobenzene	0.407	0.408		0.246	50.0
Benzoic acid	0.249	0.150		-39.759	50.0
Naphthalene	1.039	1.021		-1.732	50.0
4-Chloroaniline	0.415	0.364		-12.289	50.0
Hexachlorobutadiene	0.349	0.388		11.175	50.0
Caprolactam	0.122	0.087		-28.689	50.0
4-Chloro-3-methylphenol	0.407	0.348		-14.496	50.0
2-Methylnaphthalene	0.779	0.697		-10.526	50.0
Hexachlorocyclopentadiene	0.256	0.031	0.050	-87.891	50.0
2,4,6-Trichlorophenol	0.429	0.438		2.098	50.0
2-Fluorobiphenyl	1.353	1.442		6.578	50.0
2,4,5-Trichlorophenol	0.485	0.483		-0.412	50.0
1,1-Biphenyl	1.282	1.312		2.34	50.0

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EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.027	1.086		5.745	50.0
2-Nitroaniline	0.381	0.374		-1.837	50.0
Dimethylphthalate	1.545	1.401		-9.32	50.0
Acenaphthylene	1.577	1.632		3.488	50.0
2,6-Dinitrotoluene	0.330	0.302		-8.485	50.0
3-Nitroaniline	0.302	0.273		-9.603	50.0
Acenaphthene	0.984	0.949		-3.557	50.0
2,4-Dinitrophenol	0.213	0.016	0.050	-92.488	50.0
4-Nitrophenol	0.244	0.190	0.050	-22.131	50.0
Dibenzofuran	1.662	1.589		-4.392	50.0
2,4-Dinitrotoluene	0.489	0.414		-15.337	50.0
Diethylphthalate	1.558	1.320		-15.276	50.0
4-Chlorophenyl-phenylether	0.863	0.789		-8.575	50.0
Fluorene	1.438	1.319		-8.275	50.0
4-Nitroaniline	0.328	0.302		-7.927	50.0
4,6-Dinitro-2-methylphenol	0.124	0.020		-83.871	50.0
n-Nitrosodiphenylamine	0.496	0.510		2.823	50.0
Azobenzene	1.213	1.112		-8.326	50.0
2,4,6-Tribromophenol	0.400	0.343		-14.25	50.0
4-Bromophenyl-phenylether	0.236	0.250		5.932	50.0
Hexachlorobenzene	0.293	0.299		2.048	50.0
Atrazine	0.205	0.187		-8.78	50.0
Pentachlorophenol	0.180	0.152		-15.556	50.0
Phenanthrene	0.914	0.896		-1.969	50.0
Anthracene	0.913	0.897		-1.752	50.0
Carbazole	0.802	0.783		-2.369	50.0
Di-n-butylphthalate	0.954	0.912		-4.403	50.0
Fluoranthene	1.253	1.196		-4.549	50.0
Benzidine	0.328	0.350		6.707	50.0
Pyrene	1.272	1.203		-5.425	50.0
Terphenyl-d14	1.203	1.139		-5.32	50.0
Butylbenzylphthalate	0.402	0.380		-5.473	50.0
3,3-Dichlorobenzidine	0.471	0.452		-4.034	50.0
Benzo(a)anthracene	1.309	1.241		-5.195	50.0
Chrysene	1.226	1.180		-3.752	50.0
Bis(2-ethylhexyl)phthalate	0.526	0.538		2.281	50.0
Di-n-octyl phthalate	0.927	0.938		1.187	50.0
Benzo(b)fluoranthene	1.118	0.990		-11.449	50.0
Benzo(k)fluoranthene	1.075	1.037		-3.535	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.974	0.884		-9.24	50.0
Indeno(1,2,3-cd)pyrene	1.325	1.036		-21.811	50.0
Dibenzo(a,h)anthracene	1.098	0.888		-19.126	50.0
Benzo(g,h,i)perylene	1.091	0.746		-31.622	50.0
1,2,4,5-Tetrachlorobenzene	0.667	0.729		9.295	50.0
1,4-Dioxane	0.398	0.318		-20.101	50.0
2,3,4,6-Tetrachlorophenol	0.499	0.447		-10.421	50.0
1-Methylnaphthalene	0.784	0.680		-13.265	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061184.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

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:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061184.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

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:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061184.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

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	179.939		10-139		120	SPK: -150
13127-88-3	Phenol-d6	147.675		10-134		98	SPK: -150
4165-60-0	Nitrobenzene-d5	96.78		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	90.224		52-132		90	SPK: -100

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061184.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.936		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	90.885		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	17258	7.931				
1146-65-2	Naphthalene-d8	66868	10.727				
15067-26-2	Acenaphthene-d10	58713	14.558				
1517-22-2	Phenanthrene-d10	165131	17.308				
1719-03-5	Chrysene-d12	178667	21.568				
1520-96-3	Perylene-d12	208873	24.687				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.148	4.9	J			3.148	

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BS	SDG No.:	BG051424
Lab Sample ID:	PB160877BS	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
BG061185.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	36.8		1	8	10	ug/L
110-86-1	Pyridine	29.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	28.3		4	8	10	ug/L
62-53-3	Aniline	34.8		1.6	4	5	ug/L
108-95-2	Phenol	51.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	46		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	38.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.1		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	40.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	42.6		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.9		1.4	4	5	ug/L
98-86-2	Acetophenone	46.1		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	38.7		1	4	5	ug/L
98-95-3	Nitrobenzene	45.3		1.3	4	5	ug/L
78-59-1	Isophorone	42.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	49.8		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	28.6		5.5	8	10	ug/L
91-20-3	Naphthalene	42.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	27.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	40.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BS	SDG No.:	BG051424
Lab Sample ID:	PB160877BS	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
BG061185.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	43.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	42.9		1	4	5	ug/L
92-52-4	1,1-Biphenyl	43		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	42.7		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	45.1		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	41.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	40.5		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.7		1.4	4	5	ug/L
83-32-9	Acenaphthene	41.3		0.81	4	5	ug/L
Total PAH	Total PAH	706.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	76.2		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	79.5		2	8	10	ug/L
132-64-9	Dibenzofuran	42.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	82.2		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	41.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	41		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.1		0.98	4	5	ug/L
86-73-7	Fluorene	41.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	39.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.6		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.3		0.89	4	5	ug/L
103-33-3	Azobenzene	43.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.4		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	41.8		1.1	4	5	ug/L
1912-24-9	Atrazine	48.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BS	SDG No.:	BG051424
Lab Sample ID:	PB160877BS	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
BG061185.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	64.3		1.9	8	10	ug/L
85-01-8	Phenanthrene	44.1		0.89	4	5	ug/L
120-12-7	Anthracene	46.7		1.1	4	5	ug/L
86-74-8	Carbazole	44.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.1		1.3	4	5	ug/L
92-87-5	Benzidine	31.8		4.1	8	10	ug/L
129-00-0	Pyrene	42.7		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	47		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	31.6		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.1		0.94	4	5	ug/L
218-01-9	Chrysene	44		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.4		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	45.5		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	44.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.9		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.9		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	42.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	30.8		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41.7		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	39.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	161.419		10-139		108	SPK: -150
13127-88-3	Phenol-d6	150.942		10-134		101	SPK: -150
4165-60-0	Nitrobenzene-d5	88.019		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	82.941		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BS	SDG No.:	BG051424
Lab Sample ID:	PB160877BS	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
BG061185.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	123.709		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	82.953		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	21598	7.929				
1146-65-2	Naphthalene-d8	81827	10.726				
15067-26-2	Acenaphthene-d10	72501	14.562				
1517-22-2	Phenanthrene-d10	185868	17.306				
1719-03-5	Chrysene-d12	189254	21.572				
1520-96-3	Perylene-d12	219385	24.68				

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BL	SDG No.:	BG051424
Lab Sample ID:	PB160889BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.01 Units: g	Final Vol:	10000 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
BG061186.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	25800	U	25800	80200	98000	ug/Kg
110-86-1	Pyridine	23700	U	23700	38600	50500	ug/Kg
100-52-7	Benzaldehyde	54100	U	54100	80200	98000	ug/Kg
62-53-3	Aniline	28800	U	28800	38600	50500	ug/Kg
108-95-2	Phenol	24600	U	24600	38600	50500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24900	U	24900	38600	50500	ug/Kg
95-57-8	2-Chlorophenol	24800	U	24800	38600	50500	ug/Kg
95-50-1	1,2-Dichlorobenzene	25100	U	25100	38600	50500	ug/Kg
541-73-1	1,3-Dichlorobenzene	25500	U	25500	38600	50500	ug/Kg
106-46-7	1,4-Dichlorobenzene	25700	U	25700	38600	50500	ug/Kg
100-51-6	Benzyl Alcohol	24700	U	24700	80200	98000	ug/Kg
95-48-7	2-Methylphenol	23900	U	23900	38600	50500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	27000	U	27000	38600	50500	ug/Kg
98-86-2	Acetophenone	25800	U	25800	38600	50500	ug/Kg
65794-96-9	3+4-Methylphenols	23700	U	23700	80200	98000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	12000	U	12000	23800	23800	ug/Kg
67-72-1	Hexachloroethane	24700	U	24700	38600	50500	ug/Kg
98-95-3	Nitrobenzene	27000	U	27000	38600	50500	ug/Kg
78-59-1	Isophorone	25100	U	25100	38600	50500	ug/Kg
88-75-5	2-Nitrophenol	28100	U	28100	38600	50500	ug/Kg
105-67-9	2,4-Dimethylphenol	27700	U	27700	38600	50500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	25500	U	25500	38600	50500	ug/Kg
120-83-2	2,4-Dichlorophenol	22400	U	22400	38600	50500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	25400	U	25400	38600	50500	ug/Kg
65-85-0	Benzoic acid	70400	U	70400	80200	98000	ug/Kg
91-20-3	Naphthalene	24500	U	24500	38600	50500	ug/Kg
106-47-8	4-Chloroaniline	24500	U	24500	38600	50500	ug/Kg
87-68-3	Hexachlorobutadiene	24700	U	24700	38600	50500	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BL	SDG No.:	BG051424
Lab Sample ID:	PB160889BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.01 Units: g	Final Vol:	10000 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
BG061186.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	25800	U	25800	80200	98000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	23000	U	23000	38600	50500	ug/Kg
91-57-6	2-Methylnaphthalene	24500	U	24500	38600	50500	ug/Kg
77-47-4	Hexachlorocyclopentadiene	46300	U	46300	80200	98000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21200	U	21200	38600	50500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	22000	U	22000	38600	50500	ug/Kg
92-52-4	1,1-Biphenyl	26000	U	26000	38600	50500	ug/Kg
91-58-7	2-Chloronaphthalene	24700	U	24700	38600	50500	ug/Kg
88-74-4	2-Nitroaniline	28200	U	28200	38600	50500	ug/Kg
131-11-3	Dimethylphthalate	24300	U	24300	38600	50500	ug/Kg
208-96-8	Acenaphthylene	25700	U	25700	38600	50500	ug/Kg
606-20-2	2,6-Dinitrotoluene	24700	U	24700	38600	50500	ug/Kg
99-09-2	3-Nitroaniline	26500	U	26500	38600	50500	ug/Kg
83-32-9	Acenaphthene	24100	U	24100	38600	50500	ug/Kg
Total PAH	Total PAH	393700	U	393700	38600	808000	ug/Kg
51-28-5	2,4-Dinitrophenol	72200	U	72200	80200	98000	ug/Kg
100-02-7	4-Nitrophenol	34500	U	34500	80200	98000	ug/Kg
132-64-9	Dibenzofuran	25100	U	25100	38600	50500	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	50300	U	50300	38600	101000	ug/Kg
121-14-2	2,4-Dinitrotoluene	25600	U	25600	38600	50500	ug/Kg
84-66-2	Diethylphthalate	23800	U	23800	38600	50500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	25400	U	25400	38600	50500	ug/Kg
86-73-7	Fluorene	25400	U	25400	38600	50500	ug/Kg
100-01-6	4-Nitroaniline	31800	U	31800	38600	50500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	34800	U	34800	80200	98000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	24200	U	24200	38600	50500	ug/Kg
103-33-3	Azobenzene	23600	U	23600	38600	50500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	23400	U	23400	38600	50500	ug/Kg
118-74-1	Hexachlorobenzene	25200	U	25200	38600	50500	ug/Kg
1912-24-9	Atrazine	27100	U	27100	38600	50500	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BL	SDG No.:	BG051424
Lab Sample ID:	PB160889BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.01	Units:	g
Soil Aliquot Vol:		Final Vol:	10000 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
BG061186.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	23000	U	23000	80200	98000	ug/Kg
85-01-8	Phenanthrene	25000	U	25000	38600	50500	ug/Kg
120-12-7	Anthracene	25100	U	25100	38600	50500	ug/Kg
86-74-8	Carbazole	23900	U	23900	38600	50500	ug/Kg
84-74-2	Di-n-butylphthalate	25000	U	25000	38600	50500	ug/Kg
206-44-0	Fluoranthene	24300	U	24300	38600	50500	ug/Kg
92-87-5	Benzidine	48400	U	48400	80200	98000	ug/Kg
129-00-0	Pyrene	24700	U	24700	38600	50500	ug/Kg
85-68-7	Butylbenzylphthalate	28800	U	28800	38600	50500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	29300	U	29300	80200	98000	ug/Kg
56-55-3	Benzo(a)anthracene	24000	U	24000	38600	50500	ug/Kg
218-01-9	Chrysene	23600	U	23600	38600	50500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	27000	U	27000	38600	50500	ug/Kg
117-84-0	Di-n-octyl phthalate	32700	U	32700	80200	98000	ug/Kg
205-99-2	Benzo(b)fluoranthene	24100	U	24100	38600	50500	ug/Kg
207-08-9	Benzo(k)fluoranthene	24500	U	24500	38600	50500	ug/Kg
50-32-8	Benzo(a)pyrene	27600	U	27600	38600	50500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	23200	U	23200	38600	50500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	24100	U	24100	38600	50500	ug/Kg
191-24-2	Benzo(g,h,i)perylene	23800	U	23800	38600	50500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25800	U	25800	38600	50500	ug/Kg
123-91-1	1,4-Dioxane	32700	U	32700	38600	50500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	22200	U	22200	38600	50500	ug/Kg
90-12-0	1-Methylnaphthalene	24700	U	24700	50500	50500	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	1102.02		18-112		73	SPK: -1500
13127-88-3	Phenol-d6	1003.72		15-107		67	SPK: -1500
4165-60-0	Nitrobenzene-d5	934.43		18-107		93	SPK: -1000
321-60-8	2-Fluorobiphenyl	929.23		20-109		93	SPK: -1000

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BL	SDG No.:	BG051424
Lab Sample ID:	PB160889BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.01 Units: g	Final Vol:	10000 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
BG061186.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	970.85		10-110		65	SPK: -1500
1718-51-0	Terphenyl-d14	928.92		14-112		93	SPK: -1000
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19978	7.923				
1146-65-2	Naphthalene-d8	76476	10.72				
15067-26-2	Acenaphthene-d10	63519	14.563				
1517-22-2	Phenanthrene-d10	187616	17.307				
1719-03-5	Chrysene-d12	197912	21.566				
1520-96-3	Perylene-d12	227069	24.686				
TENTATIVE IDENTIFIED COMPOUNDS							
000141-79-7	3-Penten-2-one, 4-methyl-	120800	A			4.451	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1013900	A			5.05	

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BSD	SDG No.:	BG051424
Lab Sample ID:	PB160877BSD	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
BG061187.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.1		1	8	10	ug/L
110-86-1	Pyridine	34		1.6	4	5	ug/L
100-52-7	Benzaldehyde	30.2		4	8	10	ug/L
62-53-3	Aniline	36.2		1.6	4	5	ug/L
108-95-2	Phenol	53		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47.9		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	52.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.4		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	40.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	48.7		1.6	8	10	ug/L
95-48-7	2-Methylphenol	49.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.3		1.4	4	5	ug/L
98-86-2	Acetophenone	47		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	49.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	43.8		1	4	5	ug/L
98-95-3	Nitrobenzene	41.9		1.3	4	5	ug/L
78-59-1	Isophorone	39.6		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	51.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.1		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	27.2		5.5	8	10	ug/L
91-20-3	Naphthalene	41.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	23.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	38.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BSD	SDG No.:	BG051424
Lab Sample ID:	PB160877BSD	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
BG061187.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41.2		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	42.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	43.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.4		1	4	5	ug/L
92-52-4	1,1-Biphenyl	42.9		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	42		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	44.9		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	41.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.6		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	41.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	28.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	41.2		0.81	4	5	ug/L
Total PAH	Total PAH	705.4		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	73.2		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	78.3		2	8	10	ug/L
132-64-9	Dibenzofuran	42.5		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	84.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	43.2		1.5	4	5	ug/L
84-66-2	Diethylphthalate	41		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.6		0.98	4	5	ug/L
86-73-7	Fluorene	42		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	41.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.7		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.5		0.89	4	5	ug/L
103-33-3	Azobenzene	45.3		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.7		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	41.1		1.1	4	5	ug/L
1912-24-9	Atrazine	46.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BSD	SDG No.:	BG051424
Lab Sample ID:	PB160877BSD	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
BG061187.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	66.8		1.9	8	10	ug/L
85-01-8	Phenanthrene	43.9		0.89	4	5	ug/L
120-12-7	Anthracene	44.6		1.1	4	5	ug/L
86-74-8	Carbazole	44.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	42.3		1.3	4	5	ug/L
92-87-5	Benzidine	30.4		4.1	8	10	ug/L
129-00-0	Pyrene	43		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.8		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.8		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.2		0.94	4	5	ug/L
218-01-9	Chrysene	44.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	44.5		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	43.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.3		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	47.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.6		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.4		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	33.2		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.2		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	38		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	177.286		10-139		118	SPK: -150
13127-88-3	Phenol-d6	158.36		10-134		106	SPK: -150
4165-60-0	Nitrobenzene-d5	86.026		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	82.83		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BSD	SDG No.:	BG051424
Lab Sample ID:	PB160877BSD	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
BG061187.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.086		32-145		81	SPK: -150
1718-51-0	Terphenyl-d14	82.201		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19449	7.934				
1146-65-2	Naphthalene-d8	83167	10.725				
15067-26-2	Acenaphthene-d10	72120	14.562				
1517-22-2	Phenanthrene-d10	186574	17.305				
1719-03-5	Chrysene-d12	187459	21.565				
1520-96-3	Perylene-d12	214338	24.691				

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BS	SDG No.:	BG051424
Lab Sample ID:	PB160889BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02	Units:	g
Soil Aliquot Vol:		Final Vol:	10000 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
BG061188.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	366600		25500	79400	97100	ug/Kg
110-86-1	Pyridine	301100		23500	38200	50000	ug/Kg
100-52-7	Benzaldehyde	280300		53500	79400	97100	ug/Kg
62-53-3	Aniline	332600		28500	38200	50000	ug/Kg
108-95-2	Phenol	504500		24400	38200	50000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	455100		24600	38200	50000	ug/Kg
95-57-8	2-Chlorophenol	504000		24600	38200	50000	ug/Kg
95-50-1	1,2-Dichlorobenzene	438500		24900	38200	50000	ug/Kg
541-73-1	1,3-Dichlorobenzene	413200		25300	38200	50000	ug/Kg
106-46-7	1,4-Dichlorobenzene	413800		25400	38200	50000	ug/Kg
100-51-6	Benzyl Alcohol	452700		24400	79400	97100	ug/Kg
95-48-7	2-Methylphenol	490600		23700	38200	50000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	497200		26700	38200	50000	ug/Kg
98-86-2	Acetophenone	442500		25600	38200	50000	ug/Kg
65794-96-9	3+4-Methylphenols	462700		23500	79400	97100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	415100		11900	23500	23500	ug/Kg
67-72-1	Hexachloroethane	399900		24400	38200	50000	ug/Kg
98-95-3	Nitrobenzene	412300		26700	38200	50000	ug/Kg
78-59-1	Isophorone	404400		24900	38200	50000	ug/Kg
88-75-5	2-Nitrophenol	418600		27800	38200	50000	ug/Kg
105-67-9	2,4-Dimethylphenol	513800		27400	38200	50000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	433700		25200	38200	50000	ug/Kg
120-83-2	2,4-Dichlorophenol	447200		22200	38200	50000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	408800		25100	38200	50000	ug/Kg
65-85-0	Benzoic acid	269500		69700	79400	97100	ug/Kg
91-20-3	Naphthalene	399400		24300	38200	50000	ug/Kg
106-47-8	4-Chloroaniline	229400		24300	38200	50000	ug/Kg
87-68-3	Hexachlorobutadiene	392700		24500	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BS	SDG No.:	BG051424
Lab Sample ID:	PB160889BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG061188.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	413600		25500	79400	97100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	413000		22800	38200	50000	ug/Kg
91-57-6	2-Methylnaphthalene	389300		24300	38200	50000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1029500	E	45900	79400	97100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	428300		21000	38200	50000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	410600		21800	38200	50000	ug/Kg
92-52-4	1,1-Biphenyl	435100		25700	38200	50000	ug/Kg
91-58-7	2-Chloronaphthalene	405600		24500	38200	50000	ug/Kg
88-74-4	2-Nitroaniline	458700		27900	38200	50000	ug/Kg
131-11-3	Dimethylphthalate	415100		24000	38200	50000	ug/Kg
208-96-8	Acenaphthylene	448800		25400	38200	50000	ug/Kg
606-20-2	2,6-Dinitrotoluene	409800		24500	38200	50000	ug/Kg
99-09-2	3-Nitroaniline	285300		26200	38200	50000	ug/Kg
83-32-9	Acenaphthene	403400		23900	38200	50000	ug/Kg
Total PAH	Total PAH	6890000		389800	38200	800000	ug/Kg
51-28-5	2,4-Dinitrophenol	744200		71500	79400	97100	ug/Kg
100-02-7	4-Nitrophenol	792900	E	34100	79400	97100	ug/Kg
132-64-9	Dibenzofuran	426800		24800	38200	50000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	829000		49900	38200	100000	ug/Kg
121-14-2	2,4-Dinitrotoluene	419200		25400	38200	50000	ug/Kg
84-66-2	Diethylphthalate	407900		23600	38200	50000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	418800		25200	38200	50000	ug/Kg
86-73-7	Fluorene	405500		25100	38200	50000	ug/Kg
100-01-6	4-Nitroaniline	406200		31500	38200	50000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	427900		34400	79400	97100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	428900		24000	38200	50000	ug/Kg
103-33-3	Azobenzene	435300		23400	38200	50000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	430200		23200	38200	50000	ug/Kg
118-74-1	Hexachlorobenzene	412500		25000	38200	50000	ug/Kg
1912-24-9	Atrazine	483500		26900	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BS	SDG No.:	BG051424
Lab Sample ID:	PB160889BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG061188.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	675500		22700	79400	97100	ug/Kg
85-01-8	Phenanthrene	441800		24700	38200	50000	ug/Kg
120-12-7	Anthracene	446500		24800	38200	50000	ug/Kg
86-74-8	Carbazole	431900		23600	38200	50000	ug/Kg
84-74-2	Di-n-butylphthalate	440200		24800	38200	50000	ug/Kg
206-44-0	Fluoranthene	426300		24000	38200	50000	ug/Kg
92-87-5	Benzidine	305600		47900	79400	97100	ug/Kg
129-00-0	Pyrene	414600		24400	38200	50000	ug/Kg
85-68-7	Butylbenzylphthalate	430900		28500	38200	50000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	301200		29000	79400	97100	ug/Kg
56-55-3	Benzo(a)anthracene	430600		23700	38200	50000	ug/Kg
218-01-9	Chrysene	430400		23400	38200	50000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	444900		26800	38200	50000	ug/Kg
117-84-0	Di-n-octyl phthalate	435200		32400	79400	97100	ug/Kg
205-99-2	Benzo(b)fluoranthene	428500		23900	38200	50000	ug/Kg
207-08-9	Benzo(k)fluoranthene	437900		24300	38200	50000	ug/Kg
50-32-8	Benzo(a)pyrene	458000		27400	38200	50000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	454600		23000	38200	50000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	449000		23900	38200	50000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	414700		23600	38200	50000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	458400		25500	38200	50000	ug/Kg
123-91-1	1,4-Dioxane	314000		32400	38200	50000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	410300		22000	38200	50000	ug/Kg
90-12-0	1-Methylnaphthalene	361700		24500	50000	50000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	1681.1		18-112		112	SPK: -1500
13127-88-3	Phenol-d6	1490.1		15-107		99	SPK: -1500
4165-60-0	Nitrobenzene-d5	865		18-107		87	SPK: -1000
321-60-8	2-Fluorobiphenyl	851.65		20-109		85	SPK: -1000

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160889BS	SDG No.:	BG051424
Lab Sample ID:	PB160889BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG061188.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	1271.59		10-110		85	SPK: -1500
1718-51-0	Terphenyl-d14	822.05		14-112		82	SPK: -1000
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	20767	7.929				
1146-65-2	Naphthalene-d8	83668	10.725				
15067-26-2	Acenaphthene-d10	71443	14.562				
1517-22-2	Phenanthrene-d10	183201	17.312				
1719-03-5	Chrysene-d12	190356	21.566				
1520-96-3	Perylene-d12	217352	24.686				

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061189.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

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:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061189.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

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:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061189.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

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	160.436		10-139		107	SPK: -150
13127-88-3	Phenol-d6	149.091		10-134		99	SPK: -150
4165-60-0	Nitrobenzene-d5	91.632		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	87.081		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160877BL	SDG No.:	BG051424
Lab Sample ID:	PB160877BL	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
BG061189.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.73		32-145		87	SPK: -150
1718-51-0	Terphenyl-d14	87.746		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	18265	7.93				
1146-65-2	Naphthalene-d8	69036	10.721				
15067-26-2	Acenaphthene-d10	58929	14.557				
1517-22-2	Phenanthrene-d10	165625	17.307				
1719-03-5	Chrysene-d12	177184	21.567				
1520-96-3	Perylene-d12	205146	24.687				

Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM		
Project:				Date Received:	5/9/2024 12:00:00 AM		
Client Sample ID:	SP-303-20240509			SDG No.:	BG051424		
Lab Sample ID:	P2451-03			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	990	Units:	mL	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061190.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	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	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-303-20240509	SDG No.:	BG051424
Lab Sample ID:	P2451-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BG061190.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-303-20240509	SDG No.:	BG051424
Lab Sample ID:	P2451-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BG061190.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	4	5.1	ug/L
218-01-9	Chrysene	0.87	U	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	59.321		10-139		40	SPK: -150
13127-88-3	Phenol-d6	28.162		10-134		19	SPK: -150
4165-60-0	Nitrobenzene-d5	104.482		49-133		104	SPK: -100
321-60-8	2-Fluorobiphenyl	105.809		52-132		106	SPK: -100

Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-303-20240509	SDG No.:	BG051424
Lab Sample ID:	P2451-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990 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
BG061190.D	1	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	171.112		32-145		114	SPK: -150
1718-51-0	Terphenyl-d14	97.116		36-145		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	22512	7.928				
1146-65-2	Naphthalene-d8	79635	10.719				
15067-26-2	Acenaphthene-d10	57380	14.556				
1517-22-2	Phenanthrene-d10	171001	17.306				
1719-03-5	Chrysene-d12	187876	21.565				
1520-96-3	Perylene-d12	226032	24.679				
TENTATIVE IDENTIFIED COMPOUNDS							
000763-29-1	1-Pentene, 2-methyl-	7.5	J			3.069	
000994-05-8	Butane, 2-methoxy-2-methyl-	210	J			3.146	

Report of Analysis

Client:		Date Collected:	4/30/2024 12:00:00 AM
Project:		Date Received:	4/30/2024 12:00:00 AM
Client Sample ID:	H-3(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-22	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061191.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

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	40.2	U	40.2	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:	4/30/2024 12:00:00 AM
Project:		Date Received:	4/30/2024 12:00:00 AM
Client Sample ID:	H-3(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-22	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061191.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

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



Client:			Date Collected:	4/30/2024 12:00:00 AM	
Project:			Date Received:	4/30/2024 12:00:00 AM	
Client Sample ID:	H-3(5.0-6.0)		SDG No.:	BG051424	
Lab Sample ID:	P2330-22		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	0	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061191.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.463		18-112		60	SPK: -150
13127-88-3	Phenol-d6	80.502		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	57.336		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	51.08		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	4/30/2024 12:00:00 AM
Project:		Date Received:	4/30/2024 12:00:00 AM
Client Sample ID:	H-3(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-22	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061191.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.402		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	45.58		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24237	7.924				
1146-65-2	Naphthalene-d8	81316	10.726				
15067-26-2	Acenaphthene-d10	66517	14.557				
1517-22-2	Phenanthrene-d10	181825	17.307				
1719-03-5	Chrysene-d12	193927	21.561				
1520-96-3	Perylene-d12	230250	24.681				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1600	J			3.147	
004254-14-2	R-(-)-1,2-propanediol	130	J			3.67	
	unknown10.957	84.9	J			10.497	
000629-78-7	Heptadecane	100	J			19.128	
000112-95-8	Eicosane	79.6	J			20.239	
005333-42-6	1-Dodecanol, 2-octyl-	110	J			21.232	
075581-03-2	2,6,10,14,18-Pentamethyl-2,6,10,14	96.9	J			23.206	

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	G-2(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061192.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.5	U	86.5	270	330	ug/Kg
110-86-1	Pyridine	79.7	U	79.7	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.6	U	96.6	130	170	ug/Kg
108-95-2	Phenol	82.7	U	82.7	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.4	U	83.4	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.3	U	83.3	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.3	U	84.3	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.7	U	85.7	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.2	U	86.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.8	U	82.8	270	330	ug/Kg
95-48-7	2-Methylphenol	80.4	U	80.4	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.6	U	90.6	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.6	U	79.6	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.2	U	40.2	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	82.8	U	82.8	130	170	ug/Kg
98-95-3	Nitrobenzene	90.5	U	90.5	130	170	ug/Kg
78-59-1	Isophorone	84.3	U	84.3	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.2	U	94.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	92.9	U	92.9	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.5	U	85.5	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.3	U	75.3	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.1	U	85.1	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.4	U	82.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.4	U	82.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.1	U	83.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	G-2(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061192.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.5	U	86.5	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.3	U	77.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.3	U	82.3	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.2	U	71.2	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.8	U	73.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.1	U	87.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.1	U	83.1	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.7	U	94.7	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.5	U	81.5	130	170	ug/Kg
208-96-8	Acenaphthylene	86.2	U	86.2	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83	U	83	130	170	ug/Kg
99-09-2	3-Nitroaniline	88.9	U	88.9	130	170	ug/Kg
83-32-9	Acenaphthene	80.9	U	80.9	130	170	ug/Kg
Total PAH	Total PAH	1321.4	U	1321.4	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	84.1	U	84.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	168.9	U	168.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	85.9	U	85.9	130	170	ug/Kg
84-66-2	Diethylphthalate	79.9	U	79.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.3	U	85.3	130	170	ug/Kg
86-73-7	Fluorene	85.2	U	85.2	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	81.4	U	81.4	130	170	ug/Kg
103-33-3	Azobenzene	79.4	U	79.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.7	U	78.7	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.7	U	84.7	130	170	ug/Kg
1912-24-9	Atrazine	91.1	U	91.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	G-2(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061192.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.1	U	77.1	270	330	ug/Kg
85-01-8	Phenanthrene	83.7	U	83.7	130	170	ug/Kg
120-12-7	Anthracene	84.1	U	84.1	130	170	ug/Kg
86-74-8	Carbazole	80.1	U	80.1	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84	U	84	130	170	ug/Kg
206-44-0	Fluoranthene	130	J	81.5	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	120	J	82.8	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.5	U	96.5	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.3	U	98.3	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.5	U	80.5	130	170	ug/Kg
218-01-9	Chrysene	79.3	U	79.3	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.7	U	90.7	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.5	J	80.9	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.4	U	82.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.7	U	92.7	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.9	U	77.9	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81	U	81	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	79.9	U	79.9	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.5	U	86.5	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	74.5	U	74.5	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83	U	83	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.341		18-112		63	SPK: -150
13127-88-3	Phenol-d6	84.297		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	52.085		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	49.581		20-109		50	SPK: -100

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	G-2(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-14	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061192.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67.524		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	48.031		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24478	7.929				
1146-65-2	Naphthalene-d8	98152	10.72				
15067-26-2	Acenaphthene-d10	77131	14.557				
1517-22-2	Phenanthrene-d10	182327	17.301				
1719-03-5	Chrysene-d12	181163	21.56				
1520-96-3	Perylene-d12	218501	24.686				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.076	83.1	J			3.076	
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			3.147	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	82.1	J			10.497	
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	220	J			19.416	



Client:				Date Collected:	4/29/2024 12:00:00 AM	
Project:				Date Received:	4/29/2024 12:00:00 AM	
Client Sample ID:	F-1(5.0-6.0)			SDG No.:	BG051424	
Lab Sample ID:	P2330-06			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061193.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

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	96.7	U	96.7	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)	90.7	U	90.7	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	40.2	U	40.2	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.6	U	90.6	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.3	U	94.3	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93	U	93	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:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	F-1(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061193.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.8	U	94.8	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	6580	U	1323.4	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)	69.2	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	91.2	U	91.2	130	170	ug/Kg



Client:				Date Collected:	4/29/2024 12:00:00 AM	
Project:				Date Received:	4/29/2024 12:00:00 AM	
Client Sample ID:	F-1(5.0-6.0)			SDG No.:	BG051424	
Lab Sample ID:	P2330-06			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061193.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

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	830		83.9	130	170	ug/Kg
120-12-7	Anthracene	230		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	1300		81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	1100		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.6	U	96.6	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.4	U	98.4	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	610		80.6	130	170	ug/Kg
218-01-9	Chrysene	600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.8	U	90.8	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	240		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	540		92.8	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250		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	280		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.758		18-112		67	SPK: -150
13127-88-3	Phenol-d6	91.414		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	57.179		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	60.134		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	F-1(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061193.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	82.458		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	56.308		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29237	7.929				
1146-65-2	Naphthalene-d8	107162	10.72				
15067-26-2	Acenaphthene-d10	81471	14.557				
1517-22-2	Phenanthrene-d10	189846	17.306				
1719-03-5	Chrysene-d12	189033	21.566				
1520-96-3	Perylene-d12	230282	24.692				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			3.146	
	unknown3.669	100	J			3.669	
070159-90-9	Methoxyacetic acid, 2-butyl ester	110	J			10.491	
000244-99-5	5H-Indeno[1,2-b]pyridine	78.2	J			17.706	
002531-84-2	Phenanthrene, 2-methyl-	160	J			18.182	
000832-69-9	Phenanthrene, 1-methyl-	220	J			18.229	
000613-12-7	Anthracene, 2-methyl-	90.5	J			18.311	
000203-64-5	4H-Cyclopenta[def]phenanthrene	310	J			18.376	
000610-48-0	Anthracene, 1-methyl-	96.5	J			18.411	
000612-94-2	Naphthalene, 2-phenyl-	100	J			18.681	
000483-87-4	Phenanthrene, 1,7-dimethyl-	210	J			19.098	
001576-67-6	Phenanthrene, 3,6-dimethyl-	94.5	J			19.239	
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	140	J			19.416	
000243-17-4	11H-Benzo[b]fluorene	79.9	J			20.05	
000238-84-6	11H-Benzo[a]fluorene	110	J			20.215	
033543-31-6	Fluoranthene, 2-methyl-	67.9	J			20.32	
	unknown21.231	110	J			21.231	
000630-01-3	Hexacosane	97.8	J			22.353	
001560-92-5	Hexadecane, 2-methyl-	630	J			23.805	

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	F-1(5.0-6.0)	SDG No.:	BG051424
Lab Sample ID:	P2330-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061193.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
013287-24-6	Nonadecane, 9-methyl-	780	J			25.814	

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	MH-A	SDG No.:	BG051424
Lab Sample ID:	P2469-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061194.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.9	U	55.9	170	210	ug/Kg
110-86-1	Pyridine	51.5	U	51.5	83.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.4	U	62.4	83.7	110	ug/Kg
108-95-2	Phenol	53.4	U	53.4	83.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.9	U	53.9	83.7	110	ug/Kg
95-57-8	2-Chlorophenol	53.8	U	53.8	83.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.5	U	54.5	83.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.4	U	55.4	83.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.7	U	55.7	83.7	110	ug/Kg
100-51-6	Benzyl Alcohol	53.4	U	53.4	170	210	ug/Kg
95-48-7	2-Methylphenol	51.9	U	51.9	83.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.5	U	58.5	83.7	110	ug/Kg
98-86-2	Acetophenone	56	U	56	83.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.4	U	51.4	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26	U	26	51.5	51.5	ug/Kg
67-72-1	Hexachloroethane	53.4	U	53.4	83.7	110	ug/Kg
98-95-3	Nitrobenzene	58.5	U	58.5	83.7	110	ug/Kg
78-59-1	Isophorone	54.5	U	54.5	83.7	110	ug/Kg
88-75-5	2-Nitrophenol	60.9	U	60.9	83.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60	U	60	83.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.3	U	55.3	83.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.6	U	48.6	83.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55	U	55	83.7	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53.2	U	53.2	83.7	110	ug/Kg
106-47-8	4-Chloroaniline	53.2	U	53.2	83.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.6	U	53.6	83.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	MH-A	SDG No.:	BG051424
Lab Sample ID:	P2469-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061194.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.9	U	55.9	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.9	U	49.9	83.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.1	U	53.1	83.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46	U	46	83.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.7	U	47.7	83.7	110	ug/Kg
92-52-4	1,1-Biphenyl	56.3	U	56.3	83.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.6	U	53.6	83.7	110	ug/Kg
88-74-4	2-Nitroaniline	61.2	U	61.2	83.7	110	ug/Kg
131-11-3	Dimethylphthalate	52.6	U	52.6	83.7	110	ug/Kg
208-96-8	Acenaphthylene	55.7	U	55.7	83.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.6	U	53.6	83.7	110	ug/Kg
99-09-2	3-Nitroaniline	57.4	U	57.4	83.7	110	ug/Kg
83-32-9	Acenaphthene	52.2	U	52.2	83.7	110	ug/Kg
Total PAH	Total PAH	853.3	U	853.3	83.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.7	U	74.7	170	210	ug/Kg
132-64-9	Dibenzofuran	54.3	U	54.3	83.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.5	U	55.5	83.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.1	U	109.1	83.7	220	ug/Kg
84-66-2	Diethylphthalate	51.6	U	51.6	83.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.1	U	55.1	83.7	110	ug/Kg
86-73-7	Fluorene	55.1	U	55.1	83.7	110	ug/Kg
100-01-6	4-Nitroaniline	68.9	U	68.9	83.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.3	U	75.3	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.5	U	52.5	83.7	110	ug/Kg
103-33-3	Azobenzene	51.3	U	51.3	83.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.8	U	50.8	83.7	110	ug/Kg
118-74-1	Hexachlorobenzene	54.7	U	54.7	83.7	110	ug/Kg
1912-24-9	Atrazine	58.9	U	58.9	83.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	MH-A	SDG No.:	BG051424
Lab Sample ID:	P2469-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061194.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.8	U	49.8	170	210	ug/Kg
85-01-8	Phenanthrene	54.1	U	54.1	83.7	110	ug/Kg
120-12-7	Anthracene	54.3	U	54.3	83.7	110	ug/Kg
86-74-8	Carbazole	51.7	U	51.7	83.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.3	U	54.3	83.7	110	ug/Kg
206-44-0	Fluoranthene	52.6	U	52.6	83.7	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	53.4	U	53.4	83.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.3	U	62.3	83.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.5	U	63.5	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	52	U	52	83.7	110	ug/Kg
218-01-9	Chrysene	51.2	U	51.2	83.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.6	U	58.6	83.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.8	U	70.8	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	56	J	52.2	83.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	53.2	U	53.2	83.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	59.9	U	59.9	83.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.3	U	50.3	83.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.3	U	52.3	83.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.6	U	51.6	83.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.9	U	55.9	83.7	110	ug/Kg
123-91-1	1,4-Dioxane	70.8	U	70.8	83.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.1	U	48.1	83.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.6	U	53.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.658		18-112		51	SPK: -150
13127-88-3	Phenol-d6	69.348		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	46.046		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	46.733		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	MH-A	SDG No.:	BG051424
Lab Sample ID:	P2469-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061194.D	1	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	59.831		10-110		40	SPK: -150
1718-51-0	Terphenyl-d14	44.056		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30527	7.928				
1146-65-2	Naphthalene-d8	111762	10.725				
15067-26-2	Acenaphthene-d10	83521	14.556				
1517-22-2	Phenanthrene-d10	192742	17.306				
1719-03-5	Chrysene-d12	187002	21.565				
1520-96-3	Perylene-d12	232948	24.685				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	870	J			3.146	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	51.3	A			5.049	
000301-02-0	9-Octadecenamide, (Z)-	130	J			20.608	

Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM		
Project:				Date Received:	5/13/2024 12:00:00 AM		
Client Sample ID:	OR-03-051324			SDG No.:	BG051424		
Lab Sample ID:	P2466-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	9.4		
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061195.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	360	440	ug/Kg
110-86-1	Pyridine	110	U	110	170	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	360	440	ug/Kg
62-53-3	Aniline	130	U	130	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	440	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.3	U	53.3	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	99.9	U	99.9	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	310	U	310	360	440	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	OR-03-051324	SDG No.:	BG051424
Lab Sample ID:	P2466-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061195.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	360	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.5	U	94.5	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.9	U	97.9	170	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	240		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	230		110	170	220	ug/Kg
Total PAH	Total PAH	24040		1760	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	360	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	440	ug/Kg
132-64-9	Dibenzofuran	170	J	110	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	310		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	360	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	220	ug/Kg
103-33-3	Azobenzene	110	U	110	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	OR-03-051324	SDG No.:	BG051424
Lab Sample ID:	P2466-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061195.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	360	440	ug/Kg
85-01-8	Phenanthrene	4000	E	110	170	220	ug/Kg
120-12-7	Anthracene	770		110	170	220	ug/Kg
86-74-8	Carbazole	210	J	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	4400	E	110	170	220	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	3700	E	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	2000		110	170	220	ug/Kg
218-01-9	Chrysene	1900		110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	800		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	1800		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	J	110	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	810		110	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.8	U	98.8	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.268		18-112		60	SPK: -150
13127-88-3	Phenol-d6	82.062		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	60.538		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	53.284		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	OR-03-051324	SDG No.:	BG051424
Lab Sample ID:	P2466-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061195.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.052		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	47.092		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	32718	7.929				
1146-65-2	Naphthalene-d8	110610	10.72				
15067-26-2	Acenaphthene-d10	81903	14.557				
1517-22-2	Phenanthrene-d10	174898	17.307				
1719-03-5	Chrysene-d12	173768	21.566				
1520-96-3	Perylene-d12	215334	24.698				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1000	J			3.153	
001689-64-1	9H-Fluoren-9-ol	160	J			15.903	
002523-37-7	9H-Fluorene, 9-methyl-	150	J			16.613	
000486-25-9	9H-Fluoren-9-one	230	J			16.96	
078561-97-4	3-{Pyrazolo[1,5-a]pyrimidin-7-yl}p	150	J			17.036	
000132-65-0	Dibenzothiophene	270	J			17.125	
016587-52-3	Dibenzothiophene, 3-methyl-	190	J			17.888	
002531-84-2	Phenanthrene, 2-methyl-	560	J			18.182	
000832-69-9	Phenanthrene, 1-methyl-	710	J			18.235	
000883-20-5	Phenanthrene, 9-methyl-	210	J			18.317	
000203-64-5	4H-Cyclopenta[def]phenanthrene	850	J			18.382	
000610-48-0	Anthracene, 1-methyl-	320	J			18.411	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	400	J			18.682	
000084-65-1	9,10-Anthracenedione	430	J			18.723	
002789-88-0	di-p-Tolylacetylene	160	J			18.981	
000781-43-1	9,10-Dimethylantracene	430	J			19.099	
	unknown19.163	190	J			19.163	
005737-13-3	Cyclopenta(def)phenanthrenone	370	J			19.24	
000243-17-4	11H-Benzo[b]fluorene	150	J			20.215	

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	OR-03-051324	SDG No.:	BG051424
Lab Sample ID:	P2466-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061195.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000198-55-0	Perylene	2100	J			24.404	

Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM		
Project:				Date Received:	5/13/2024 12:00:00 AM		
Client Sample ID:	HD-02-051324			SDG No.:	BG051424		
Lab Sample ID:	P2467-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	11.8		
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061196.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	450	ug/Kg
110-86-1	Pyridine	110	U	110	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	450	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	450	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.8	U	54.8	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	120	U	120	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	HD-02-051324	SDG No.:	BG051424
Lab Sample ID:	P2467-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061196.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	97.1	U	97.1	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	1800	U	1800	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	120	U	120	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	HD-02-051324	SDG No.:	BG051424
Lab Sample ID:	P2467-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061196.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	370	450	ug/Kg
85-01-8	Phenanthrene	110	U	110	180	230	ug/Kg
120-12-7	Anthracene	110	U	110	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	180	230	ug/Kg
206-44-0	Fluoranthene	200	J	110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	200	J	110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	170	J	110	180	230	ug/Kg
218-01-9	Chrysene	170	J	110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	230		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.468		18-112		68	SPK: -150
13127-88-3	Phenol-d6	91.032		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	68.504		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	56.454		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	HD-02-051324	SDG No.:	BG051424
Lab Sample ID:	P2467-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061196.D	2	5/14/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.192		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	51.334		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30368	7.935				
1146-65-2	Naphthalene-d8	102075	10.726				
15067-26-2	Acenaphthene-d10	73919	14.556				
1517-22-2	Phenanthrene-d10	157865	17.306				
1719-03-5	Chrysene-d12	159868	21.566				
1520-96-3	Perylene-d12	193742	24.697				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			3.152	
056554-61-1	11,14-Octadecadienoic acid, methyl	140	J			19.116	

Hit Summary Sheet SW-846

SDG No.: BG051424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : F-1(5.0-6.0)								
P2330-06	F-1(5.0-6.0)	Solid	10,18-Bisnorabieta-5,7,9(10),11,1 *	140.000	J			
P2330-06	F-1(5.0-6.0)	Solid	11H-Benzo[a]fluorene *	110.000	J			
P2330-06	F-1(5.0-6.0)	Solid	11H-Benzo[b]fluorene *	79.900	J			
P2330-06	F-1(5.0-6.0)	Solid	4H-Cyclopenta[def]phenanthrene *	310.000	J			
P2330-06	F-1(5.0-6.0)	Solid	5H-Indeno[1,2-b]pyridine *	78.200	J			
P2330-06	F-1(5.0-6.0)	Solid	Anthracene, 1-methyl- *	96.500	J			
P2330-06	F-1(5.0-6.0)	Solid	Anthracene, 2-methyl- *	90.500	J			
P2330-06	F-1(5.0-6.0)	Solid	Butane, 2-methoxy-2-methyl- *	1,300.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Fluoranthene, 2-methyl- *	67.900	J			
P2330-06	F-1(5.0-6.0)	Solid	Hexacosane *	97.800	J			
P2330-06	F-1(5.0-6.0)	Solid	Hexadecane, 2-methyl- *	630.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Methoxyacetic acid, 2-butyl ester *	110.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Naphthalene, 2-phenyl- *	100.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Nonadecane, 9-methyl- *	780.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Phenanthrene, 1,7-dimethyl- *	210.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Phenanthrene, 1-methyl- *	220.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Phenanthrene, 2-methyl- *	160.000	J			
P2330-06	F-1(5.0-6.0)	Solid	Phenanthrene, 3,6-dimethyl- *	94.500	J			
P2330-06	F-1(5.0-6.0)	Solid	unknown21.231 *	110.000	J			
P2330-06	F-1(5.0-6.0)	Solid	unknown3.669 *	100.000	J			
Total Tics :				4,885.30				
P2330-06	F-1(5.0-6.0)	Solid	Anthracene	230.000		84.3	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Benzo(a)anthracene	610.000		80.6	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Benzo(a)pyrene	540.000		92.8	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Benzo(b)fluoranthene	600.000		81	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Benzo(g,h,i)perylene	280.000		80	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Benzo(k)fluoranthene	240.000		82.5	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Chrysene	600.000		79.4	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Fluoranthene	1,300.000		81.6	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Indeno(1,2,3-cd)pyrene	250.000		78	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Phenanthrene	830.000		83.9	170	ug/Kg
P2330-06	F-1(5.0-6.0)	Solid	Pyrene	1,100.000		82.9	170	ug/Kg
Total Svoc :				6,580.00				
Total Concentration:				11,465.30				
Client ID : G-2(5.0-6.0)								
P2330-14	G-2(5.0-6.0)	Solid	10,18-Bisnorabieta-5,7,9(10),11,1 *	220.000	J			
P2330-14	G-2(5.0-6.0)	Solid	Butane, 2-methoxy-2-methyl- *	1,300.000	J			

Hit Summary Sheet SW-846

SDG No.: BG051424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2330-14	G-2(5.0-6.0)	Solid	Ethanol, 2-(2-butoxyethoxy)-	*	82.100	J		
P2330-14	G-2(5.0-6.0)	Solid	unknown3.076	*	83.100	J		
Total Tics :				1,685.20				
P2330-14	G-2(5.0-6.0)	Solid	Benzo(b)fluoranthene		83.500	J	80.9	170 ug/Kg
P2330-14	G-2(5.0-6.0)	Solid	Fluoranthene		130.000	J	81.5	170 ug/Kg
P2330-14	G-2(5.0-6.0)	Solid	Pyrene		120.000	J	82.8	170 ug/Kg
Total Svoc :				333.50				
Total Concentration:				2,018.70				
Client ID : H-3(5.0-6.0)								
P2330-22	H-3(5.0-6.0)	Solid	1-Dodecanol, 2-octyl-	*	110.000	J		
P2330-22	H-3(5.0-6.0)	Solid	2,6,10,14,18-Pentamethyl-2,6,10,1	*	96.900	J		
P2330-22	H-3(5.0-6.0)	Solid	Butane, 2-methoxy-2-methyl-	*	1,600.000	J		
P2330-22	H-3(5.0-6.0)	Solid	Eicosane	*	79.600	J		
P2330-22	H-3(5.0-6.0)	Solid	Heptadecane	*	100.000	J		
P2330-22	H-3(5.0-6.0)	Solid	R-(-)-1,2-propanediol	*	130.000	J		
P2330-22	H-3(5.0-6.0)	Solid	unknown10.957	*	84.900	J		
Total Tics :				2,201.40				
Total Concentration:				2,201.40				
Client ID : SP-303-20240509								
P2451-03	SP-303-20240509	Water	1-Pentene, 2-methyl-	*	7.500	J		
P2451-03	SP-303-20240509	Water	Butane, 2-methoxy-2-methyl-	*	210.000	J		
Total Tics :				217.50				
Total Concentration:				217.50				
Client ID : OR-03-051324								
P2466-01	OR-03-051324	Solid	11H-Benzo[b]fluorene	*	150.000	J		
P2466-01	OR-03-051324	Solid	3-{Pirazolo[1,5-a]pyrimidin-7-yl}	*	150.000	J		
P2466-01	OR-03-051324	Solid	4H-Cyclopenta[def]phenanthrene	*	850.000	J		
P2466-01	OR-03-051324	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	400.000	J		
P2466-01	OR-03-051324	Solid	9,10-Anthracenedione	*	430.000	J		
P2466-01	OR-03-051324	Solid	9,10-Dimethylanthracene	*	430.000	J		
P2466-01	OR-03-051324	Solid	9H-Fluoren-9-ol	*	160.000	J		
P2466-01	OR-03-051324	Solid	9H-Fluoren-9-one	*	230.000	J		
P2466-01	OR-03-051324	Solid	9H-Fluorene, 9-methyl-	*	150.000	J		
P2466-01	OR-03-051324	Solid	Anthracene, 1-methyl-	*	320.000	J		
P2466-01	OR-03-051324	Solid	Butane, 2-methoxy-2-methyl-	*	1,000.000	J		
P2466-01	OR-03-051324	Solid	Cyclopenta(def)phenanthrenone	*	370.000	J		
P2466-01	OR-03-051324	Solid	di-p-Tolylacetylene	*	160.000	J		
P2466-01	OR-03-051324	Solid	Dibenzothiophene	*	270.000	J		
P2466-01	OR-03-051324	Solid	Dibenzothiophene, 3-methyl-	*	190.000	J		

Hit Summary Sheet SW-846

SDG No.: BG051424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2466-01	OR-03-051324	Solid	Perylene	*	2,100.000	J		
P2466-01	OR-03-051324	Solid	Phenanthrene, 1-methyl-	*	710.000	J		
P2466-01	OR-03-051324	Solid	Phenanthrene, 2-methyl-	*	560.000	J		
P2466-01	OR-03-051324	Solid	Phenanthrene, 9-methyl-	*	210.000	J		
P2466-01	OR-03-051324	Solid	unknown19.163	*	190.000	J		
Total Tics :					9,030.00			
P2466-01	OR-03-051324	Solid	Acenaphthene		230.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Acenaphthylene		240.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Anthracene		770.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Benzo(a)anthracene		2,000.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Benzo(a)pyrene		1,800.000	120	220	ug/Kg
P2466-01	OR-03-051324	Solid	Benzo(b)fluoranthene		2,100.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Benzo(g,h,i)perylene		810.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Benzo(k)fluoranthene		800.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Carbazole		210.000	J 110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Chrysene		1,900.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Dibenzo(a,h)anthracene		210.000	J 110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Dibenzofuran		170.000	J 110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Fluoranthene		4,400.000	E 110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Fluorene		310.000	110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Indeno(1,2,3-cd)pyrene		770.000	100	220	ug/Kg
P2466-01	OR-03-051324	Solid	Phenanthrene		4,000.000	E 110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Pyrene		3,700.000	E 110	220	ug/Kg
P2466-01	OR-03-051324	Solid	Total PAH		24,040.000	1760	3520	ug/Kg
Total Svoc :					48,460.00			
Total Concentration:					57,490.00			

Client ID : HD-02-051324

P2467-01	HD-02-051324	Solid	11,14-Octadecadienoic acid, meth *	140.000	J			
P2467-01	HD-02-051324	Solid	Butane, 2-methoxy-2-methyl- *	1,200.000	J			
Total Tics :				1,340.00				
P2467-01	HD-02-051324	Solid	Benzo(a)anthracene	170.000	J	110	230	ug/Kg
P2467-01	HD-02-051324	Solid	Benzo(a)pyrene	180.000	J	130	230	ug/Kg
P2467-01	HD-02-051324	Solid	Benzo(b)fluoranthene	230.000		110	230	ug/Kg
P2467-01	HD-02-051324	Solid	Chrysene	170.000	J	110	230	ug/Kg
P2467-01	HD-02-051324	Solid	Fluoranthene	200.000	J	110	230	ug/Kg
P2467-01	HD-02-051324	Solid	Pyrene	200.000	J	110	230	ug/Kg
Total Svoc :				1,150.00				
Total Concentration:				2,490.00				

Client ID : MH-A

P2469-01	MH-A	Solid	2-Pentanone, 4-hydroxy-4-methyl *	51.300	A			
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Hit Summary Sheet SW-846

SDG No.: BG051424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2469-01	MH-A	Solid	9-Octadecenamide, (Z)-	*	130.000	J		
P2469-01	MH-A	Solid	Butane, 2-methoxy-2-methyl-	*	870.000	J		
			Total Tics :		1,051.30			
P2469-01	MH-A	Solid	Benzo(b)fluoranthene		56.000	J 52.2	110	ug/Kg
			Total Svoc :		56.00			
			Total Concentration:		1,107.30			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG043024 SAS No.: BG043024 SDG No.: BG043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		1.074	1.202	1.072	1.152	1.114	1.124	4.0
Pyridine		1.143	1.136	1.111	1.242	1.182	1.170	3.8
2-Fluorophenol		0.992	0.989	0.925	1.023	0.978	0.983	3.0
Benzaldehyde		0.983	0.996	0.908	0.803	0.714	0.820	17.7
Aniline		1.346	1.419	1.530	1.452	1.450	1.442	4.5
Phenol-d6		1.375	1.382	1.540	1.466	1.433	1.455	4.3
Phenol		1.388	1.415	1.569	1.465	1.481	1.479	4.3
bis(2-Chloroethyl)ether		0.972	1.012	1.106	1.007	0.991	1.022	4.2
2-Chlorophenol		1.121	1.211	1.271	1.228	1.178	1.206	3.9
1,2-Dichlorobenzene		1.419	1.393	1.467	1.415	1.386	1.418	1.9
1,3-Dichlorobenzene		1.396	1.425	1.559	1.419	1.379	1.422	4.4
1,4-Dichlorobenzene		1.491	1.467	1.553	1.496	1.411	1.470	3.3
Benzyl Alcohol		1.295	1.158	1.446	1.302	1.282	1.312	6.7
2-Methylphenol		0.958	1.041	1.012	1.095	1.065	1.054	5.2
2,2-oxybis(1-Chloropropane)		2.139	2.208	2.110	2.241	2.221	2.218	3.3
Acetophenone		0.499	0.485	0.525	0.491	0.485	0.498	2.7
3+4-Methylphenols		1.355	1.528	1.476	1.560	1.535	1.521	5.6
n-Nitroso-di-n-propylamine	1.009	1.200	1.057	1.035	1.069	1.104	1.089	5.6
Nitrobenzene-d5		0.410	0.390	0.417	0.388	0.401	0.403	2.9
Hexachloroethane		0.507	0.569	0.469	0.564	0.516	0.525	6.5
Nitrobenzene		0.384	0.377	0.415	0.392	0.392	0.395	3.3
Isophorone		0.791	0.764	0.772	0.705	0.711	0.746	4.3
2-Nitrophenol		0.180	0.189	0.190	0.181	0.184	0.187	2.7
2,4-Dimethylphenol		0.205	0.213	0.226	0.208	0.220	0.216	3.5
bis(2-Chloroethoxy)methane		0.383	0.366	0.381	0.348	0.354	0.366	3.5
2,4-Dichlorophenol		0.333	0.323	0.357	0.328	0.334	0.338	3.6
1,2,4-Trichlorobenzene		0.415	0.390	0.429	0.396	0.396	0.407	3.4
Benzoic acid		0.195	0.224	0.275	0.248	0.263	0.249	11.9
Naphthalene		1.080	1.019	1.090	1.017	0.996	1.039	3.4
4-Chloroaniline		0.400	0.398	0.439	0.404	0.412	0.415	3.7
Hexachlorobutadiene		0.355	0.358	0.360	0.332	0.341	0.349	2.9
Caprolactam		0.134	0.128	0.128	0.112	0.114	0.122	6.8
4-Chloro-3-methylphenol		0.392	0.418	0.426	0.401	0.390	0.407	3.4
2-Methylnaphthalene		0.768	0.797	0.823	0.755	0.749	0.779	3.3
Hexachlorocyclopentadiene		0.203	0.212	0.248	0.285	0.272	0.256	13.8
2,4,6-Trichlorophenol		0.414	0.403	0.431	0.442	0.428	0.429	3.5

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.: BG043024 SAS No.: BG043024 SDG No.: BG043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.340	1.312	1.362	1.384	1.332	1.353	1.9
2,4,5-Trichlorophenol		0.452	0.470	0.505	0.500	0.486	0.485	3.9
1,1-Biphenyl		1.306	1.244	1.285	1.306	1.258	1.282	1.9
2-Chloronaphthalene		1.018	0.983	1.048	1.061	1.017	1.027	2.6
2-Nitroaniline		0.380	0.370	0.374	0.389	0.379	0.381	1.9
Dimethylphthalate		1.647	1.534	1.593	1.552	1.492	1.545	3.8
Acenaphthylene		1.571	1.507	1.619	1.620	1.558	1.577	2.5
2,6-Dinitrotoluene		0.354	0.326	0.323	0.338	0.326	0.330	3.5
3-Nitroaniline		0.317	0.305	0.319	0.299	0.289	0.302	3.9
Acenaphthene		0.984	0.937	1.017	1.009	0.971	0.984	2.7
2,4-Dinitrophenol		0.185	0.180	0.203	0.227	0.234	0.213	11.1
4-Nitrophenol		0.261	0.238	0.239	0.255	0.242	0.244	3.9
Dibenzofuran		1.695	1.651	1.684	1.695	1.640	1.662	1.7
2,4-Dinitrotoluene		0.477	0.491	0.513	0.506	0.487	0.489	3.3
Diethylphthalate		1.711	1.561	1.602	1.575	1.487	1.558	5.3
4-Chlorophenyl-phenylether		0.873	0.881	0.886	0.871	0.844	0.863	2.2
Fluorene		1.449	1.426	1.482	1.485	1.397	1.438	2.4
4-Nitroaniline		0.321	0.327	0.347	0.338	0.325	0.328	3.2
4,6-Dinitro-2-methylphenol		0.113	0.112	0.128	0.124	0.129	0.124	6.8
n-Nitrosodiphenylamine		0.489	0.480	0.517	0.484	0.490	0.496	2.8
Azobenzene		1.260	1.217	1.235	1.235	1.167	1.213	2.7
2,4,6-Tribromophenol		0.409	0.395	0.409	0.409	0.391	0.400	2.2
4-Bromophenyl-phenylether		0.219	0.223	0.243	0.234	0.237	0.236	4.7
Hexachlorobenzene		0.297	0.287	0.296	0.284	0.287	0.293	2.5
Atrazine		0.232	0.209	0.211	0.200	0.197	0.205	7.0
Pentachlorophenol		0.155	0.163	0.185	0.185	0.183	0.180	8.6
Phenanthrene		0.937	0.896	0.932	0.913	0.898	0.914	1.7
Anthracene		0.904	0.890	0.952	0.909	0.891	0.913	2.4
Carbazole		0.855	0.832	0.805	0.801	0.772	0.802	4.0
Di-n-butylphthalate		1.022	0.960	0.965	0.965	0.916	0.954	3.9
Fluoranthene		1.360	1.283	1.278	1.238	1.209	1.253	4.7
Benzidine		0.179	0.208	0.349	0.413	0.386	0.328	28.8
Pyrene		1.267	1.237	1.307	1.264	1.264	1.272	1.8
Terphenyl-d14		1.219	1.172	1.264	1.185	1.181	1.203	2.6
Butylbenzylphthalate		0.405	0.379	0.417	0.404	0.397	0.402	3.0
3,3-Dichlorobenzidine		0.482	0.451	0.486	0.472	0.463	0.471	2.5

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.: BG043024 SAS No.: BG043024 SDG No.: BG043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.383	1.264	1.336	1.282	1.282	1.309	3.1
Chrysene		1.301	1.204	1.233	1.200	1.196	1.226	3.0
Bis(2-ethylhexyl)phthalate		0.524	0.497	0.529	0.521	0.516	0.526	3.4
Di-n-octyl phthalate		0.929	0.858	0.938	0.933	0.922	0.927	3.8
Benzo(b)fluoranthene		1.164	1.062	1.145	1.081	1.092	1.118	3.5
Benzo(k)fluoranthene		1.160	1.053	1.086	1.062	1.036	1.075	3.7
Benzo(a)pyrene		1.043	0.922	0.988	0.951	0.945	0.974	4.0
Indeno(1,2,3-cd)pyrene		1.380	1.256	1.345	1.298	1.297	1.325	3.2
Dibenzo(a,h)anthracene		1.136	1.051	1.120	1.070	1.070	1.098	3.0
Benzo(g,h,i)perylene		1.110	1.057	1.107	1.076	1.066	1.091	2.2
1,2,4,5-Tetrachlorobenzene		0.680	0.612	0.682	0.681	0.656	0.667	4.1
1,4-Dioxane		0.457	0.464	0.337	0.401	0.367	0.398	11.8
2,3,4,6-Tetrachlorophenol		0.499	0.484	0.518	0.516	0.488	0.499	2.6
1-Methylnaphthalene		0.834	0.773	0.824	0.740	0.750	0.784	4.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG051424 SAS No.: BG051424 SDG NO.: BG051424

EPA Sample No.: SSTDICCC040 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 10:36

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	19701	7.961	90057	10.76	76062	14.59
UPPER LIMIT	39402	8.461	180114	11.258	152124	15.089
LOWER LIMIT	9850.5	7.461	45028.5	10.258	38031	14.089
EPA SAMPLE NO.						
01 PB160877BL	17258	7.93	66868	10.73	58713	14.56
02 PB160877BS	21598	7.93	81827	10.73	72501	14.56
03 PB160889BL	19978	7.92	76476	10.72	63519	14.56
04 PB160877BSD	19449	7.93	83167	10.73	72120	14.56
05 PB160889BS	20767	7.93	83668	10.73	71443	14.56
06 PB160877BL	18265	7.93	69036	10.72	58929	14.56
07 SP-303-20240509	22512	7.93	79635	10.72	57380	14.56
08 H-3(5.0-6.0)	24237	7.92	81316	10.73	66517	14.56
09 G-2(5.0-6.0)	24478	7.93	98152	10.72	77131	14.56
10 F-1(5.0-6.0)	29237	7.93	107162	10.72	81471	14.56
11 MH-A	30527	7.93	111762	10.73	83521	14.56
12 OR-03-051324	32718	7.93	110610	10.72	81903	14.56
13 HD-02-051324	30368	7.94	102075	10.73	73919	14.56

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.: BG051424 SAS No.: BG051424 SDG NO.: BG051424

EPA Sample No.: SSTDCCC040

Date Analyzed: May 14 2024 12:00AM

Lab File ID: BG061183.D

Time Analyzed: 10:36

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	22794	7.93	91868	10.73	74486	14.56
UPPER LIMIT	45588	8.43	183736	11.227	148972	15.064
LOWER LIMIT	11397	7.43	45934	10.227	37243	14.064
EPA SAMPLE NO.						
01 PB160877BL	17258	7.93	66868	10.73	58713	14.56
02 PB160877BS	21598	7.93	81827	10.73	72501	14.56
03 PB160889BL	19978	7.92	76476	10.72	63519	14.56
04 PB160877BSD	19449	7.93	83167	10.73	72120	14.56
05 PB160889BS	20767	7.93	83668	10.73	71443	14.56
06 PB160877BL	18265	7.93	69036	10.72	58929	14.56
07 SP-303-20240509	22512	7.93	79635	10.72	57380	14.56
08 H-3(5.0-6.0)	24237	7.92	81316	10.73	66517	14.56
09 G-2(5.0-6.0)	24478	7.93	98152	10.72	77131	14.56
10 F-1(5.0-6.0)	29237	7.93	107162	10.72	81471	14.56
11 MH-A	30527	7.93	111762	10.73	83521	14.56
12 OR-03-051324	32718	7.93	110610	10.72	81903	14.56
13 HD-02-051324	30368	7.94	102075	10.73	73919	14.56

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.: BG051424 SAS No.: BG051424 SDG NO.: BG051424

EPA Sample No.: SSTDICCC040 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 10:36

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	210074	17.333	211272	21.592	244242	24.73
UPPER LIMIT	420148	17.833	422544	22.092	488484	25.23
LOWER LIMIT	105037	16.833	105636	21.092	122121	24.23
EPA SAMPLE NO.						
01 PB160877BL	165131	17.31	178667	21.57	208873	24.69
02 PB160877BS	185868	17.31	189254	21.57	219385	24.68
03 PB160889BL	187616	17.31	197912	21.57	227069	24.69
04 PB160877BSD	186574	17.31	187459	21.57	214338	24.69
05 PB160889BS	183201	17.31	190356	21.57	217352	24.69
06 PB160877BL	165625	17.31	177184	21.57	205146	24.69
07 SP-303-20240509	171001	17.31	187876	21.57	226032	24.68
08 H-3(5.0-6.0)	181825	17.31	193927	21.56	230250	24.68
09 G-2(5.0-6.0)	182327	17.30	181163	21.56	218501	24.69
10 F-1(5.0-6.0)	189846	17.31	189033	21.57	230282	24.69
11 MH-A	192742	17.31	187002	21.57	232948	24.69
12 OR-03-051324	174898	17.31	173768	21.57	215334	24.70
13 HD-02-051324	157865	17.31	159868	21.57	193742	24.70

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.: BG051424 SAS No.: BG051424 SDG NO.: BG051424

EPA Sample No.: SSTDCCC040 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BG061183.D Time Analyzed: 10:36

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	189730	17.307	188864	21.567	222925	24.693
UPPER LIMIT	379460	17.807	377728	22.067	445850	25.193
LOWER LIMIT	94865	16.807	94432	21.067	111462.5	24.193
EPA SAMPLE NO.						
01 PB160877BL	165131	17.31	178667	21.57	208873	24.69
02 PB160877BS	185868	17.31	189254	21.57	219385	24.68
03 PB160889BL	187616	17.31	197912	21.57	227069	24.69
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06 PB160877BL	165625	17.31	177184	21.57	205146	24.69
07 SP-303-20240509	171001	17.31	187876	21.57	226032	24.68
08 H-3(5.0-6.0)	181825	17.31	193927	21.56	230250	24.68
09 G-2(5.0-6.0)	182327	17.30	181163	21.56	218501	24.69
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11 MH-A	192742	17.31	187002	21.57	232948	24.69
12 OR-03-051324	174898	17.31	173768	21.57	215334	24.70
13 HD-02-051324	157865	17.31	159868	21.57	193742	24.70

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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.: BG051424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160877BS	n-Nitrosodimethylamine	50	36.8	ug/L	74				55	108	
	Pyridine	50	29.3	ug/L	59				29	97	
	Benzaldehyde	50	28.3	ug/L	57				15	121	
	Aniline	50	34.8	ug/L	70				10	130	
	Phenol	50	51.5	ug/L	103				66	118	
	bis(2-Chloroethyl)ether	50	46	ug/L	92				62	103	
	2-Chlorophenol	50	49.3	ug/L	99				70	117	
	1,2-Dichlorobenzene	50	38.5	ug/L	77				72	102	
	1,3-Dichlorobenzene	50	41.1	ug/L	82				71	103	
	1,4-Dichlorobenzene	50	40.8	ug/L	82				76	103	
	Benzyl Alcohol	50	42.6	ug/L	85				36	93	
	2-Methylphenol	50	44.8	ug/L	90				69	109	
	2,2-oxybis(1-Chloropropane)	50	45.9	ug/L	92				52	103	
	Acetophenone	50	46.1	ug/L	92				60	104	
	3+4-Methylphenols	50	43.9	ug/L	88				67	106	
	N-Nitroso-di-n-propylamine	50	38.2	ug/L	76				57	107	
	Hexachloroethane	50	38.7	ug/L	77				76	118	
	Nitrobenzene	50	45.3	ug/L	91				58	106	
	Isophorone	50	42.1	ug/L	84				61	102	
	2-Nitrophenol	50	46.3	ug/L	93				70	115	
	2,4-Dimethylphenol	50	49.8	ug/L	100				67	130	
	bis(2-Chloroethoxy)methane	50	45.6	ug/L	91				58	109	
	2,4-Dichlorophenol	50	46.9	ug/L	94				66	115	
	1,2,4-Trichlorobenzene	50	41.7	ug/L	83				41	115	
	Benzoic acid	50	28.6	ug/L	57				10	125	
	Naphthalene	50	42.5	ug/L	85				64	107	
	4-Chloroaniline	50	27.6	ug/L	55				10	85	
	Hexachlorobutadiene	50	40.1	ug/L	80				69	101	
	Caprolactam	50	41.3	ug/L	83				58	128	
	4-Chloro-3-methylphenol	50	43.1	ug/L	86				65	114	
	2-Methylnaphthalene	50	42.6	ug/L	85				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	43.7	ug/L	87				61	110	
	2,4,5-Trichlorophenol	50	42.9	ug/L	86				70	106	
	1,1-Biphenyl	50	43	ug/L	86				72	98	
	2-Chloronaphthalene	50	42.7	ug/L	85				59	106	
	2-Nitroaniline	50	45.1	ug/L	90				58	107	
	Dimethylphthalate	50	41.5	ug/L	83				64	103	
	Acenaphthylene	50	46.1	ug/L	92				65	108	
	2,6-Dinitrotoluene	50	40.5	ug/L	81				64	110	
	3-Nitroaniline	50	29.7	ug/L	59				28	100	
	Acenaphthene	50	41.3	ug/L	83				59	113	
	Total PAH	800	706.5	ug/L	88				59	113	
	2,4-Dinitrophenol	100	76.2	ug/L	76				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG051424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160877BS	4-Nitrophenol	100	79.5	ug/L	80				68	116	
	Dibenzofuran	50	42.8	ug/L	86				65	106	
	2,4-Dinitrotoluene	50	41.7	ug/L	83				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	82.2	ug/L	82				60	115	
	Diethylphthalate	50	41	ug/L	82				63	105	
	4-Chlorophenyl-phenylether	50	40.1	ug/L	80				61	104	
	Fluorene	50	41.6	ug/L	83				64	107	
	4-Nitroaniline	50	39.7	ug/L	79				69	112	
	4,6-Dinitro-2-methylphenol	50	42.6	ug/L	85				62	132	
	N-Nitrosodiphenylamine	50	43.3	ug/L	87				61	109	
	Azobenzene	50	43.4	ug/L	87				59	106	
	4-Bromophenyl-phenylether	50	44.4	ug/L	89				73	103	
	Hexachlorobenzene	50	41.8	ug/L	84				73	106	
	Atrazine	50	48.5	ug/L	97				76	120	
	Pentachlorophenol	100	64.3	ug/L	64				47	114	
	Phenanthrene	50	44.1	ug/L	88				62	109	
	Anthracene	50	46.7	ug/L	93				65	110	
	Carbazole	50	44.2	ug/L	88				62	106	
	Di-n-butylphthalate	50	44.2	ug/L	88				64	106	
	Fluoranthene	50	43.1	ug/L	86				64	110	
	Benzidine	100	31.8	ug/L	32				10	94	
	Pyrene	50	42.7	ug/L	85				71	103	
	Butylbenzylphthalate	50	47	ug/L	94				61	105	
	3,3-Dichlorobenzidine	50	31.6	ug/L	63				43	108	
	Benzo(a)anthracene	50	44.1	ug/L	88				62	107	
	Chrysene	50	44	ug/L	88				61	108	
	bis(2-Ethylhexyl)phthalate	50	47.4	ug/L	95				59	110	
	Di-n-octyl phthalate	50	45.5	ug/L	91				67	126	
	Benzo(b)fluoranthene	50	44.5	ug/L	89				77	113	
	Benzo(k)fluoranthene	50	44.9	ug/L	90				64	113	
	Benzo(a)pyrene	50	46.9	ug/L	94				72	131	
	Indeno(1,2,3-cd)pyrene	50	46	ug/L	92				72	105	
	Dibenz(a,h)anthracene	50	45.5	ug/L	91				78	115	
	Benzo(g,h,i)perylene	50	42.5	ug/L	85				75	118	
	1,2,4,5-Tetrachlorobenzene	50	44.5	ug/L	89				72	101	
	1,4-Dioxane	50	30.8	ug/L	62				38	125	
	2,3,4,6-Tetrachlorophenol	50	41.7	ug/L	83				63	116	
	1-Methylnaphthalene	50	39.8	ug/L	80				51	114	
PB160877BSD	n-Nitrosodimethylamine	50	42.1	ug/L	84	13			55	108	20
	Pyridine	50	34	ug/L	68	15			29	97	20
	Benzaldehyde	50	30.2	ug/L	60	6			15	121	20
	Aniline	50	36.2	ug/L	72	4			10	130	20
	Phenol	50	53	ug/L	106	3			66	118	20
	bis(2-Chloroethyl)ether	50	47.9	ug/L	96	4			62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG051424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160877BSD	2-Chlorophenol	50	52.2	ug/L	104	6			70	117	20
	1,2-Dichlorobenzene	50	45.9	ug/L	92	18			72	102	20
	1,3-Dichlorobenzene	50	45.4	ug/L	91	10			71	103	20
	1,4-Dichlorobenzene	50	40.8	ug/L	82	0			76	103	20
	Benzyl Alcohol	50	48.7	ug/L	97	13	*		36	93	20
	2-Methylphenol	50	49.2	ug/L	98	9			69	109	20
	2,2-oxybis(1-Chloropropane)	50	47.3	ug/L	95	3			52	103	20
	Acetophenone	50	47	ug/L	94	2			60	104	20
	3+4-Methylphenols	50	49.9	ug/L	100	13			67	106	20
	N-Nitroso-di-n-propylamine	50	42.1	ug/L	84	10			57	107	20
	Hexachloroethane	50	43.8	ug/L	88	12			76	118	20
	Nitrobenzene	50	41.9	ug/L	84	8			58	106	20
	Isophorone	50	39.6	ug/L	79	6			61	102	20
	2-Nitrophenol	50	46.8	ug/L	94	1			70	115	20
	2,4-Dimethylphenol	50	51.9	ug/L	104	4			67	130	20
	bis(2-Chloroethoxy)methane	50	44.1	ug/L	88	3			58	109	20
	2,4-Dichlorophenol	50	47	ug/L	94	0			66	115	20
	1,2,4-Trichlorobenzene	50	42.8	ug/L	86	3			41	115	20
	Benzoic acid	50	27.2	ug/L	54	5			10	125	20
	Naphthalene	50	41.4	ug/L	83	3			64	107	20
	4-Chloroaniline	50	23.6	ug/L	47	16			10	85	20
	Hexachlorobutadiene	50	38.9	ug/L	78	3			69	101	20
	Caprolactam	50	41.2	ug/L	82	0			58	128	20
	4-Chloro-3-methylphenol	50	42.8	ug/L	86	1			65	114	20
	2-Methylnaphthalene	50	39.6	ug/L	79	7			64	107	20
	Hexachlorocyclopentadiene	100	110	ug/L	110	0			36	160	20
	2,4,6-Trichlorophenol	50	43.1	ug/L	86	1			61	110	20
	2,4,5-Trichlorophenol	50	41.4	ug/L	83	4			70	106	20
	1,1-Biphenyl	50	42.9	ug/L	86	0			72	98	20
	2-Chloronaphthalene	50	42	ug/L	84	2			59	106	20
	2-Nitroaniline	50	44.9	ug/L	90	0			58	107	20
	Dimethylphthalate	50	41.5	ug/L	83	0			64	103	20
	Acenaphthylene	50	46.6	ug/L	93	1			65	108	20
	2,6-Dinitrotoluene	50	41.1	ug/L	82	1			64	110	20
	3-Nitroaniline	50	28.5	ug/L	57	4			28	100	20
	Acenaphthene	50	41.2	ug/L	82	0			59	113	20
	Total PAH	800	705.4	ug/L	88	0			59	113	20
	2,4-Dinitrophenol	100	73.2	ug/L	73	4			64	132	20
	4-Nitrophenol	100	78.3	ug/L	78	2			68	116	20
	Dibenzofuran	50	42.5	ug/L	85	1			65	106	20
	2,4-Dinitrotoluene	50	43.2	ug/L	86	4			60	115	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	84.3	ug/L	84	3			60	115	20
	Diethylphthalate	50	41	ug/L	82	0			63	105	20
	4-Chlorophenyl-phenylether	50	41.6	ug/L	83	4			61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG051424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160877BSD	Fluorene	50	42	ug/L	84	1			64	107	20
	4-Nitroaniline	50	41.1	ug/L	82	3			69	112	20
	4,6-Dinitro-2-methylphenol	50	44.7	ug/L	89	5			62	132	20
	N-Nitrosodiphenylamine	50	43.5	ug/L	87	0			61	109	20
	Azobenzene	50	45.3	ug/L	91	4			59	106	20
	4-Bromophenyl-phenylether	50	42.7	ug/L	85	4			73	103	20
	Hexachlorobenzene	50	41.1	ug/L	82	2			73	106	20
	Atrazine	50	46.9	ug/L	94	3			76	120	20
	Pentachlorophenol	100	66.8	ug/L	67	4			47	114	20
	Phenanthrene	50	43.9	ug/L	88	0			62	109	20
	Anthracene	50	44.6	ug/L	89	5			65	110	20
	Carbazole	50	44.1	ug/L	88	0			62	106	20
	Di-n-butylphthalate	50	43.8	ug/L	88	1			64	106	20
	Fluoranthene	50	42.3	ug/L	85	2			64	110	20
	Benzidine	100	30.4	ug/L	30	5			10	94	20
	Pyrene	50	43	ug/L	86	1			71	103	20
	Butylbenzylphthalate	50	43.8	ug/L	88	7			61	105	20
	3,3-Dichlorobenzidine	50	30.8	ug/L	62	3			43	108	20
	Benzo(a)anthracene	50	44.2	ug/L	88	0			62	107	20
	Chrysene	50	44.2	ug/L	88	0			61	108	20
	bis(2-Ethylhexyl)phthalate	50	46.3	ug/L	93	2			59	110	20
	Di-n-octyl phthalate	50	44.5	ug/L	89	2			67	126	20
	Benzo(b)fluoranthene	50	43.7	ug/L	87	2			77	113	20
	Benzo(k)fluoranthene	50	45.3	ug/L	91	1			64	113	20
	Benzo(a)pyrene	50	47.1	ug/L	94	0			72	131	20
	Indeno(1,2,3-cd)pyrene	50	46.6	ug/L	93	1			72	105	20
	Dibenz(a,h)anthracene	50	45.9	ug/L	92	1			78	115	20
	Benzo(g,h,i)perylene	50	43.4	ug/L	87	2			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	44.4	ug/L	89	0			72	101	20
	1,4-Dioxane	50	33.2	ug/L	66	8			38	125	20
	2,3,4,6-Tetrachlorophenol	50	42.2	ug/L	84	1			63	116	20
	1-Methylnaphthalene	50	38	ug/L	76	5			51	114	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG051424

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160889BS	n-Nitrosodimethylamine	490200	366600	ug/Kg	75				57	103	
	Pyridine	490200	301100	ug/Kg	61				28	98	
	Benzaldehyde	490200	280300	ug/Kg	57				10	147	
	Aniline	490200	332600	ug/Kg	68				38	100	
	Phenol	490200	504500	ug/Kg	103				62	112	
	bis(2-Chloroethyl)ether	490200	455100	ug/Kg	93				60	101	
	2-Chlorophenol	490200	504000	ug/Kg	103				65	112	
	1,2-Dichlorobenzene	490200	438500	ug/Kg	89				51	102	
	1,3-Dichlorobenzene	490200	413200	ug/Kg	84				52	99	
	1,4-Dichlorobenzene	490200	413800	ug/Kg	84				52	100	
	Benzyl Alcohol	490200	452700	ug/Kg	92				42	116	
	2-Methylphenol	490200	490600	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	490200	497200	ug/Kg	101		*		51	100	
	Acetophenone	490200	442500	ug/Kg	90				55	104	
	3+4-Methylphenols	490200	462700	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	490200	415100	ug/Kg	85				63	95	
	Hexachloroethane	490200	399900	ug/Kg	82				72	108	
	Nitrobenzene	490200	412300	ug/Kg	84				57	101	
	Isophorone	490200	404400	ug/Kg	82				59	99	
	2-Nitrophenol	490200	418600	ug/Kg	85				61	111	
	2,4-Dimethylphenol	490200	513800	ug/Kg	105				67	119	
	bis(2-Chloroethoxy)methane	490200	433700	ug/Kg	88				53	105	
	2,4-Dichlorophenol	490200	447200	ug/Kg	91				62	107	
	1,2,4-Trichlorobenzene	490200	408800	ug/Kg	83				44	110	
	Benzoic acid	490200	269500	ug/Kg	55				10	140	
	Naphthalene	490200	399400	ug/Kg	81				62	100	
	4-Chloroaniline	490200	229400	ug/Kg	47				16	100	
	Hexachlorobutadiene	490200	392700	ug/Kg	80				53	98	
	Caprolactam	490200	413600	ug/Kg	84				67	110	
	4-Chloro-3-methylphenol	490200	413000	ug/Kg	84				58	112	
	2-Methylnaphthalene	490200	389300	ug/Kg	79				60	104	
	Hexachlorocyclopentadiene	980400	35e+006	ug/Kg	105				45	134	
	2,4,6-Trichlorophenol	490200	428300	ug/Kg	87				59	102	
	2,4,5-Trichlorophenol	490200	410600	ug/Kg	84				61	98	
	1,1-Biphenyl	490200	435100	ug/Kg	89				57	103	
	2-Chloronaphthalene	490200	405600	ug/Kg	83				58	99	
	2-Nitroaniline	490200	458700	ug/Kg	94				66	101	
	Dimethylphthalate	490200	415100	ug/Kg	85				61	99	
	Acenaphthylene	490200	448800	ug/Kg	92				63	101	
	2,6-Dinitrotoluene	490200	409800	ug/Kg	84				61	104	
	3-Nitroaniline	490200	285300	ug/Kg	58				28	100	
	Acenaphthene	490200	403400	ug/Kg	82				57	104	
	Total PAH	7843200	39e+006	ug/Kg	88				57	104	
	2,4-Dinitrophenol	980400	744200	ug/Kg	76				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG051424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160889BS	4-Nitrophenol	980400	792900	ug/Kg	81				48	119	
	Dibenzofuran	490200	426800	ug/Kg	87				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotoluene	980400	829000	ug/Kg	85				60	106	
	2,4-Dinitrotoluene	490200	419200	ug/Kg	86				60	106	
	Diethylphthalate	490200	407900	ug/Kg	83				60	101	
	4-Chlorophenyl-phenylether	490200	418800	ug/Kg	85				58	98	
	Fluorene	490200	405500	ug/Kg	83				61	101	
	4-Nitroaniline	490200	406200	ug/Kg	83				64	103	
	4,6-Dinitro-2-methylphenol	490200	427900	ug/Kg	87				76	113	
	N-Nitrosodiphenylamine	490200	428900	ug/Kg	87				56	107	
	Azobenzene	490200	435300	ug/Kg	89				54	103	
	4-Bromophenyl-phenylether	490200	430200	ug/Kg	88				55	99	
	Hexachlorobenzene	490200	412500	ug/Kg	84				64	98	
	Atrazine	490200	483500	ug/Kg	99				67	113	
	Pentachlorophenol	980400	675500	ug/Kg	69				67	105	
	Phenanthrene	490200	441800	ug/Kg	90				59	103	
	Anthracene	490200	446500	ug/Kg	91				61	105	
	Carbazole	490200	431900	ug/Kg	88				61	99	
	Di-n-butylphthalate	490200	440200	ug/Kg	90				58	104	
	Fluoranthene	490200	426300	ug/Kg	87				57	107	
	Benzidine	980400	305600	ug/Kg	31				10	98	
	Pyrene	490200	414600	ug/Kg	85				59	103	
	Butylbenzylphthalate	490200	430900	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	490200	301200	ug/Kg	61				42	91	
	Benzo(a)anthracene	490200	430600	ug/Kg	88				60	102	
	Chrysene	490200	430400	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	490200	444900	ug/Kg	91				63	111	
	Di-n-octyl phthalate	490200	435200	ug/Kg	89				70	108	
	Benzo(b)fluoranthene	490200	428500	ug/Kg	87				62	109	
	Benzo(k)fluoranthene	490200	437900	ug/Kg	89				62	109	
	Benzo(a)pyrene	490200	458000	ug/Kg	93				63	103	
	Indeno(1,2,3-cd)pyrene	490200	454600	ug/Kg	93				63	101	
	Dibenz(a,h)anthracene	490200	449000	ug/Kg	92				61	112	
	Benzo(g,h,i)perylene	490200	414700	ug/Kg	85				70	108	
	1,2,4,5-Tetrachlorobenzene	490200	458400	ug/Kg	94				53	101	
	1,4-Dioxane	490200	314000	ug/Kg	64				50	96	
	2,3,4,6-Tetrachlorophenol	490200	410300	ug/Kg	84				59	108	
	1-Methylnaphthalene	490200	361700	ug/Kg	74				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160877BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG051424

SAS No.: BG051424 SDG NO.: BG051424

Lab File ID: BG061189.D

Lab Sample ID: PB160877BL

Instrument ID: BNA_G

Date Extracted: 05/13/2024

Matrix: (soil/water) Water

Date Analyzed: 05/14/2024

Level: (low/med) LOW

Time Analyzed: 14:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160877BS	PB160877BS	BG061185.D	05/14/2024
PB160877BSD	PB160877BSD	BG061187.D	05/14/2024
SP-303-20240509	P2451-03	BG061190.D	05/14/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160889BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG051424

SAS No.: BG051424 SDG NO.: BG051424

Lab File ID: BG061186.D

Lab Sample ID: PB160889BL

Instrument ID: BNA_G

Date Extracted: 05/13/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/14/2024

Level: (low/med) LOW

Time Analyzed: 12:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160889BS	PB160889BS	BG061188.D	05/14/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

H-3 (5.0-6.0)

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG051424

SAS No.: BG051424 SDG NO.: BG051424

Lab File ID: BG061191.D

Lab Sample ID: P2330-22

Instrument ID: BNA_G

Date Extracted: 05/14/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/14/2024

Level: (low/med) LOW

Time Analyzed: 15:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
H-3 (5.0-6.0)	P2330-22	BG061191.D	05/14/2024
G-2 (5.0-6.0)	P2330-14	BG061192.D	05/14/2024
F-1 (5.0-6.0)	P2330-06	BG061193.D	05/14/2024
MH-A	P2469-01	BG061194.D	05/14/2024
OR-03-051324	P2466-01	BG061195.D	05/14/2024
HD-02-051324	P2467-01	BG061196.D	05/14/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BG051424**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2451-03	SP-303-20240509	BG061190.D	2-Fluorophenol	150	59.32	40		10	139
			Phenol-d6	150	28.16	19		10	134
			Nitrobenzene-d5	100	104.48	104		49	133
			2-Fluorobiphenyl	100	105.81	106		52	132
			2,4,6-Tribromophenol	150	171.11	114		32	145
			Terphenyl-d14	100	97.12	97		36	145
PB160877BL	PB160877BL	BG061184.D	2-Fluorophenol	150	179.94	120		10	139
		BG061189.D	2-Fluorophenol	150	160.44	107		10	139
			Phenol-d6	150	149.09	99		10	134
		BG061184.D	Phenol-d6	150	147.68	98		10	134
			Nitrobenzene-d5	100	96.78	97		49	133
		BG061189.D	Nitrobenzene-d5	100	91.63	92		49	133
		BG061184.D	2-Fluorobiphenyl	100	90.22	90		52	132
		BG061189.D	2-Fluorobiphenyl	100	87.08	87		52	132
		BG061184.D	2,4,6-Tribromophenol	150	131.94	88		32	145
		BG061189.D	2,4,6-Tribromophenol	150	130.73	87		32	145
			Terphenyl-d14	100	87.75	88		36	145
		BG061184.D	Terphenyl-d14	100	90.89	91		36	145
PB160877BS	PB160877BS	BG061185.D	2-Fluorophenol	150	161.42	108		10	139
			Phenol-d6	150	150.94	101		10	134
			Nitrobenzene-d5	100	88.02	88		49	133
			2-Fluorobiphenyl	100	82.94	83		52	132
			2,4,6-Tribromophenol	150	123.71	82		32	145
			Terphenyl-d14	100	82.95	83		36	145
			2-Fluorophenol	150	177.29	118		10	139
			Phenol-d6	150	158.36	106		10	134
PB160877BSD	PB160877BSD	BG061187.D	Nitrobenzene-d5	100	86.03	86		49	133
			2-Fluorobiphenyl	100	82.83	83		52	132
			2,4,6-Tribromophenol	150	122.09	81		32	145
			Terphenyl-d14	100	82.20	82		36	145



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

Surrogate Summary

SW-846

SDG No.: BG051424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160889BL	PB160889BL	BG061186.D	2-Fluorophenol	1500	1,102.02	73		18	112
			Phenol-d6	1500	1,003.72	67		15	107
			Nitrobenzene-d5	1000	934.43	93		18	107
			2-Fluorobiphenyl	1000	929.23	93		20	109
			2,4,6-Tribromophenol	1500	970.85	65		10	110
			Terphenyl-d14	1000	928.92	93		14	112
PB160889BS	PB160889BS	BG061188.D	2-Fluorophenol	1500	1,681.10	112		18	112
			Phenol-d6	1500	1,490.10	99		15	107
			Nitrobenzene-d5	1000	865.00	87		18	107
			2-Fluorobiphenyl	1000	851.65	85		20	109
			2,4,6-Tribromophenol	1500	1,271.59	85		10	110
			Terphenyl-d14	1000	822.05	82		14	112

Surrogate Summary

SW-846

SDG No.: **BG051424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2330-06	F-1(5.0-6.0)	BG061193.D	2-Fluorophenol	150	100.76	67		18	112
			Phenol-d6	150	91.41	61		15	107
			Nitrobenzene-d5	100	57.18	57		18	107
			2-Fluorobiphenyl	100	60.13	60		20	109
			2,4,6-Tribromophenol	150	82.46	55		10	110
			Terphenyl-d14	100	56.31	56		14	112
P2330-14	G-2(5.0-6.0)	BG061192.D	2-Fluorophenol	150	94.34	63		18	112
			Phenol-d6	150	84.30	56		15	107
			Nitrobenzene-d5	100	52.09	52		18	107
			2-Fluorobiphenyl	100	49.58	50		20	109
			2,4,6-Tribromophenol	150	67.52	45		10	110
			Terphenyl-d14	100	48.03	48		14	112
P2330-22	H-3(5.0-6.0)	BG061191.D	2-Fluorophenol	150	89.46	60		18	112
			Phenol-d6	150	80.50	54		15	107
			Nitrobenzene-d5	100	57.34	57		18	107
			2-Fluorobiphenyl	100	51.08	51		20	109
			2,4,6-Tribromophenol	150	81.40	54		10	110
			Terphenyl-d14	100	45.58	46		14	112
P2466-01	OR-03-051324	BG061195.D	2-Fluorophenol	150	90.27	60		18	112
			Phenol-d6	150	82.06	55		15	107
			Nitrobenzene-d5	100	60.54	61		18	107
			2-Fluorobiphenyl	100	53.28	53		20	109
			2,4,6-Tribromophenol	150	71.05	47		10	110
			Terphenyl-d14	100	47.09	47		14	112
P2467-01	HD-02-051324	BG061196.D	2-Fluorophenol	150	102.47	68		18	112
			Phenol-d6	150	91.03	61		15	107
			Nitrobenzene-d5	100	68.50	69		18	107
			2-Fluorobiphenyl	100	56.45	56		20	109
			2,4,6-Tribromophenol	150	81.19	54		10	110
			Terphenyl-d14	100	51.33	51		14	112
P2469-01	MH-A	BG061194.D	2-Fluorophenol	150	76.66	51		18	112
			Phenol-d6	150	69.35	46		15	107
			Nitrobenzene-d5	100	46.05	46		18	107
			2-Fluorobiphenyl	100	46.73	47		20	109
			2,4,6-Tribromophenol	150	59.83	40		10	110
			Terphenyl-d14	100	44.06	44		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG051424

Lab Code: CHEM

SAS No.: BG051424 SDG NO.: BG051424

Lab File ID: BG061182.D

DFTPP Injection Date: 05/14/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	28.3
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	34.7
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	5.7
275	10.0 - 60.0% of mass 198	29.6
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG061183.D	05/14/2024	09:55
PB160877BL	PB160877BL	BG061184.D	05/14/2024	10:36
PB160877BS	PB160877BS	BG061185.D	05/14/2024	11:16
PB160889BL	PB160889BL	BG061186.D	05/14/2024	12:08
PB160877BSD	PB160877BSD	BG061187.D	05/14/2024	12:49
PB160889BS	PB160889BS	BG061188.D	05/14/2024	13:30
PB160877BL	PB160877BL	BG061189.D	05/14/2024	14:11
SP-303-20240509	P2451-03	BG061190.D	05/14/2024	15:12
H-3 (5.0-6.0)	P2330-22	BG061191.D	05/14/2024	15:53
G-2 (5.0-6.0)	P2330-14	BG061192.D	05/14/2024	16:34
F-1 (5.0-6.0)	P2330-06	BG061193.D	05/14/2024	17:16
MH-A	P2469-01	BG061194.D	05/14/2024	17:57
OR-03-051324	P2466-01	BG061195.D	05/14/2024	18:38
HD-02-051324	P2467-01	BG061196.D	05/14/2024	19:19
SSTDCCC040EC	SSTDCCC040	BG061197.D	05/14/2024	20:00