

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG050324 SAS No.: BG050324 SDG No.: BG050324

Instrument ID: BNA_G Calibration Date/Time: 5/3/2024 12:10:20

Lab File ID: BG061100.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	0.905		-19.484	
Pyridine	1.170	0.993		-15.128	
2-Fluorophenol	0.983	0.986		0.305	
Benzaldehyde	0.820	0.814		-0.732	
Aniline	1.442	1.330		-7.767	
Phenol-d6	1.455	1.388		-4.605	
Phenol	1.479	1.341		-9.331	20.0
bis(2-Chloroethyl) ether	1.022	0.981		-4.012	
2-Chlorophenol	1.206	1.139		-5.556	
1,2-Dichlorobenzene	1.418	1.414		-0.282	
1,3-Dichlorobenzene	1.422	1.370		-3.657	
1,4-Dichlorobenzene	1.470	1.428		-2.857	20.0
Benzyl Alcohol	1.312	1.190		-9.299	
2-Methylphenol	1.054	1.041		-1.233	
2,2-oxybis(1-Chloropropane)	2.218	2.143		-3.381	
Acetophenone	0.498	0.489		-1.807	
3+4-Methylphenols	1.521	1.423		-6.443	
n-Nitroso-di-n-propylamine	1.089	1.024	0.050	-5.969	
Nitrobenzene-d5	0.403	0.398		-1.241	
Hexachloroethane	0.525	0.519		-1.143	
Nitrobenzene	0.395	0.388		-1.772	
Isophorone	0.746	0.707		-5.228	
2-Nitrophenol	0.187	0.192		2.674	20.0
2,4-Dimethylphenol	0.216	0.210		-2.778	
bis(2-Chloroethoxy) methane	0.366	0.360		-1.639	
2,4-Dichlorophenol	0.338	0.323		-4.438	20.0
1,2,4-Trichlorobenzene	0.407	0.404		-0.737	
Benzoic acid	0.249	0.200		-19.679	
Naphthalene	1.039	1.002		-3.561	
4-Chloroaniline	0.415	0.403		-2.892	
Hexachlorobutadiene	0.349	0.351		0.573	20.0
Caprolactam	0.122	0.110		-9.836	
4-Chloro-3-methylphenol	0.407	0.381		-6.388	20.0
2-Methylnaphthalene	0.779	0.737		-5.392	
Hexachlorocyclopentadiene	0.256	0.248	0.050	-3.125	
2,4,6-Trichlorophenol	0.429	0.424		-1.166	20.0
2-Fluorobiphenyl	1.353	1.369		1.183	
2,4,5-Trichlorophenol	0.485	0.483		-0.412	
1,1-Biphenyl	1.282	1.296		1.092	

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Instrument ID: BNA_G Calibration Date/Time: 5/3/2024 12:10:20

Lab File ID: BG061100.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	1.035		0.779	
2-Nitroaniline	0.381	0.376		-1.312	
Dimethylphthalate	1.545	1.480		-4.207	
Acenaphthylene	1.577	1.556		-1.332	
2,6-Dinitrotoluene	0.330	0.328		-0.606	
3-Nitroaniline	0.302	0.290		-3.974	
Acenaphthene	0.984	0.959		-2.541	20.0
2,4-Dinitrophenol	0.213	0.209	0.050	-1.878	
4-Nitrophenol	0.244	0.221	0.050	-9.426	
Dibenzofuran	1.662	1.623		-2.347	
2,4-Dinitrotoluene	0.489	0.464		-5.112	
Diethylphthalate	1.558	1.426		-8.472	
4-Chlorophenyl-phenylether	0.863	0.837		-3.013	
Fluorene	1.438	1.364		-5.146	
4-Nitroaniline	0.328	0.321		-2.134	
4,6-Dinitro-2-methylphenol	0.124	0.125		0.806	
n-Nitrosodiphenylamine	0.496	0.488		-1.613	20.0
Azobenzene	1.213	1.149		-5.276	
2,4,6-Tribromophenol	0.400	0.385		-3.75	
4-Bromophenyl-phenylether	0.236	0.235		-0.424	
Hexachlorobenzene	0.293	0.289		-1.365	
Atrazine	0.205	0.174		-15.122	
Pentachlorophenol	0.180	0.160		-11.111	20.0
Phenanthrene	0.914	0.905		-0.985	
Anthracene	0.913	0.895		-1.972	
Carbazole	0.802	0.798		-0.499	
Di-n-butylphthalate	0.954	0.930		-2.516	
Fluoranthene	1.253	1.226		-2.155	20.0
Benzidine	0.328	0.436		32.927	
Pyrene	1.272	1.295		1.808	
Terphenyl-d14	1.203	1.207		0.333	
Butylbenzylphthalate	0.402	0.403		0.249	
3,3-Dichlorobenzidine	0.471	0.471		0.0	
Benzo(a)anthracene	1.309	1.281		-2.139	
Chrysene	1.226	1.221		-0.408	
Bis(2-ethylhexyl)phthalate	0.526	0.533		1.331	
Di-n-octyl phthalate	0.927	0.889		-4.099	20.0
Benzo(b)fluoranthene	1.118	1.103		-1.342	
Benzo(k)fluoranthene	1.075	1.024		-4.744	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG050324 SAS No.: BG050324 SDG No.: BG050324
 Instrument ID: BNA_G Calibration Date/Time: 5/3/2024 12:10:20
 Lab File ID: BG061100.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	0.958		-1.643	20.0
Indeno(1,2,3-cd)pyrene	1.325	1.301		-1.811	
Dibenzo(a,h)anthracene	1.098	1.086		-1.093	
Benzo(g,h,i)perylene	1.091	1.070		-1.925	
1,2,4,5-Tetrachlorobenzene	0.667	0.674		1.049	
1,4-Dioxane	0.398	0.361		-9.296	20.0
2,3,4,6-Tetrachlorophenol	0.499	0.478		-4.208	
1-Methylnaphthalene	0.784	0.729		-7.015	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BL	SDG No.:	BG050324
Lab Sample ID:	PB160665BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061101.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

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

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BL	SDG No.:	BG050324
Lab Sample ID:	PB160665BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061101.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

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

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BL	SDG No.:	BG050324
Lab Sample ID:	PB160665BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061101.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	146.414		18-112		98	SPK: -150
13127-88-3	Phenol-d6	128.635		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	90.488		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	89.445		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BL	SDG No.:	BG050324
Lab Sample ID:	PB160665BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061101.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.244		10-110		93	SPK: -150
1718-51-0	Terphenyl-d14	90.02		14-112		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	18945	7.937				
1146-65-2	Naphthalene-d8	68822	10.733				
15067-26-2	Acenaphthene-d10	58914	14.564				
1517-22-2	Phenanthrene-d10	164608	17.314				
1719-03-5	Chrysene-d12	196421	21.568				
1520-96-3	Perylene-d12	218613	24.693				



Client:				Date Collected:	5/2/2024 12:00:00 AM	
Project:				Date Received:	5/2/2024 12:00:00 AM	
Client Sample ID:	PB160665BS			SDG No.:	BG050324	
Lab Sample ID:	PB160665BS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061102.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.7	270	330	ug/Kg
110-86-1	Pyridine	980		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	1200		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	970		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BS	SDG No.:	BG050324
Lab Sample ID:	PB160665BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061102.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25000		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BS	SDG No.:	BG050324
Lab Sample ID:	PB160665BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061102.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	1400		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	147.535		18-112		98	SPK: -150
13127-88-3	Phenol-d6	140.618		15-107		94	SPK: -150
4165-60-0	Nitrobenzene-d5	84.873		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	89.179		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BS	SDG No.:	BG050324
Lab Sample ID:	PB160665BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061102.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.571		10-110		90	SPK: -150
1718-51-0	Terphenyl-d14	87.499		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19640	7.938				
1146-65-2	Naphthalene-d8	81202	10.735				
15067-26-2	Acenaphthene-d10	69294	14.571				
1517-22-2	Phenanthrene-d10	179031	17.315				
1719-03-5	Chrysene-d12	180038	21.575				
1520-96-3	Perylene-d12	211943	24.695				

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BG050324
Lab Sample ID:	P2331-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BG061103.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.2	U	58.2	180	220	ug/Kg
110-86-1	Pyridine	53.5	U	53.5	87.1	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	64.9	U	64.9	87.1	110	ug/Kg
108-95-2	Phenol	55.5	U	55.5	87.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.1	U	56.1	87.1	110	ug/Kg
95-57-8	2-Chlorophenol	55.9	U	55.9	87.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.7	U	56.7	87.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.6	U	57.6	87.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	58	U	58	87.1	110	ug/Kg
100-51-6	Benzyl Alcohol	55.6	U	55.6	180	220	ug/Kg
95-48-7	2-Methylphenol	54	U	54	87.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60.9	U	60.9	87.1	110	ug/Kg
98-86-2	Acetophenone	58.2	U	58.2	87.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.5	U	53.5	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27	U	27	53.6	53.6	ug/Kg
67-72-1	Hexachloroethane	55.6	U	55.6	87.1	110	ug/Kg
98-95-3	Nitrobenzene	60.8	U	60.8	87.1	110	ug/Kg
78-59-1	Isophorone	56.7	U	56.7	87.1	110	ug/Kg
88-75-5	2-Nitrophenol	63.3	U	63.3	87.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.4	U	62.4	87.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.5	U	57.5	87.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.6	U	50.6	87.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.2	U	57.2	87.1	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.3	U	55.3	87.1	110	ug/Kg
106-47-8	4-Chloroaniline	55.3	U	55.3	87.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.8	U	55.8	87.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BG050324
Lab Sample ID:	P2331-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BG061103.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.2	U	58.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.9	U	51.9	87.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	55.3	U	55.3	87.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.8	U	47.8	87.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49.6	U	49.6	87.1	110	ug/Kg
92-52-4	1,1-Biphenyl	58.6	U	58.6	87.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.8	U	55.8	87.1	110	ug/Kg
88-74-4	2-Nitroaniline	63.6	U	63.6	87.1	110	ug/Kg
131-11-3	Dimethylphthalate	54.7	U	54.7	87.1	110	ug/Kg
208-96-8	Acenaphthylene	58	U	58	87.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	55.7	U	55.7	87.1	110	ug/Kg
99-09-2	3-Nitroaniline	59.8	U	59.8	87.1	110	ug/Kg
83-32-9	Acenaphthene	54.3	U	54.3	87.1	110	ug/Kg
Total PAH	Total PAH	887.7	U	887.7	87.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.7	U	77.7	180	220	ug/Kg
132-64-9	Dibenzofuran	56.5	U	56.5	87.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.5	U	113.5	87.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.8	U	57.8	87.1	110	ug/Kg
84-66-2	Diethylphthalate	53.7	U	53.7	87.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.4	U	57.4	87.1	110	ug/Kg
86-73-7	Fluorene	57.3	U	57.3	87.1	110	ug/Kg
100-01-6	4-Nitroaniline	71.7	U	71.7	87.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.4	U	78.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	54.7	U	54.7	87.1	110	ug/Kg
103-33-3	Azobenzene	53.3	U	53.3	87.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.9	U	52.9	87.1	110	ug/Kg
118-74-1	Hexachlorobenzene	56.9	U	56.9	87.1	110	ug/Kg
1912-24-9	Atrazine	61.2	U	61.2	87.1	110	ug/Kg

Report of Analysis

Client:				Date Collected:	5/1/2024 12:00:00 AM		
Project:				Date Received:	5/1/2024 12:00:00 AM		
Client Sample ID:	TP-3			SDG No.:	BG050324		
Lab Sample ID:	P2331-09			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	10.5		
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061103.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51.8	U	51.8	180	220	ug/Kg
85-01-8	Phenanthrene	56.3	U	56.3	87.1	110	ug/Kg
120-12-7	Anthracene	56.5	U	56.5	87.1	110	ug/Kg
86-74-8	Carbazole	53.8	U	53.8	87.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.5	U	56.5	87.1	110	ug/Kg
206-44-0	Fluoranthene	54.7	U	54.7	87.1	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	55.6	U	55.6	87.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	64.9	U	64.9	87.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.1	U	66.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.1	U	54.1	87.1	110	ug/Kg
218-01-9	Chrysene	53.3	U	53.3	87.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61	U	61	87.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.3	U	54.3	87.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.3	U	55.3	87.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.3	U	62.3	87.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52.3	U	52.3	87.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.4	U	54.4	87.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53.7	U	53.7	87.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.2	U	58.2	87.1	110	ug/Kg
123-91-1	1,4-Dioxane	73.7	U	73.7	87.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	50	87.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	55.7	U	55.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	145.308		18-112		97	SPK: -150
13127-88-3	Phenol-d6	135.087		15-107		90	SPK: -150
4165-60-0	Nitrobenzene-d5	84.757		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	90.412		20-109		90	SPK: -100

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BG050324
Lab Sample ID:	P2331-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BG061103.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.059		10-110		91	SPK: -150
1718-51-0	Terphenyl-d14	81.298		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24455	7.93				
1146-65-2	Naphthalene-d8	97101	10.727				
15067-26-2	Acenaphthene-d10	74335	14.558				
1517-22-2	Phenanthrene-d10	165765	17.308				
1719-03-5	Chrysene-d12	176235	21.567				
1520-96-3	Perylene-d12	159801	24.681				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			3.148	
004254-15-3	(S)-(+)-1,2-Propanediol	120	J			3.671	
000770-35-4	1-Phenoxypropan-2-ol	46.2	J			11.467	
	unknown14.775	51.4	J			14.775	
000057-11-4	Octadecanoic acid	290	J			15.845	
000057-10-3	n-Hexadecanoic acid	240	J			18.207	
000143-07-7	Dodecanoic acid	69.7	J			19.482	
024539-60-4	Phthalic acid, monodecyl ester	86.4	J			20.228	
1000351-84-1	Tetratriacontyl heptafluorobutyrate	82.2	J			21.238	

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BG050324
Lab Sample ID:	P2331-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
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
BG061104.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.3	U	59.3	180	230	ug/Kg
110-86-1	Pyridine	54.6	U	54.6	88.8	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	230	ug/Kg
62-53-3	Aniline	66.2	U	66.2	88.8	120	ug/Kg
108-95-2	Phenol	56.6	U	56.6	88.8	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.2	U	57.2	88.8	120	ug/Kg
95-57-8	2-Chlorophenol	57	U	57	88.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.8	U	57.8	88.8	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.7	U	58.7	88.8	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.1	U	59.1	88.8	120	ug/Kg
100-51-6	Benzyl Alcohol	56.7	U	56.7	180	230	ug/Kg
95-48-7	2-Methylphenol	55	U	55	88.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.1	U	62.1	88.8	120	ug/Kg
98-86-2	Acetophenone	59.3	U	59.3	88.8	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.5	U	54.5	180	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.5	U	27.5	54.6	54.6	ug/Kg
67-72-1	Hexachloroethane	56.7	U	56.7	88.8	120	ug/Kg
98-95-3	Nitrobenzene	62	U	62	88.8	120	ug/Kg
78-59-1	Isophorone	57.8	U	57.8	88.8	120	ug/Kg
88-75-5	2-Nitrophenol	64.5	U	64.5	88.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.6	U	63.6	88.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.6	U	58.6	88.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.6	U	51.6	88.8	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.3	U	58.3	88.8	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	230	ug/Kg
91-20-3	Naphthalene	56.4	U	56.4	88.8	120	ug/Kg
106-47-8	4-Chloroaniline	56.4	U	56.4	88.8	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.9	U	56.9	88.8	120	ug/Kg

Report of Analysis

Client:				Date Collected:	5/1/2024 12:00:00 AM		
Project:				Date Received:	5/1/2024 12:00:00 AM		
Client Sample ID:	TP-2			SDG No.:	BG050324		
Lab Sample ID:	P2331-05			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	12.2		
Sample Wt/Vol:	50.04	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
BG061104.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59.3	U	59.3	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.9	U	52.9	88.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.3	U	56.3	88.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.8	U	48.8	88.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.5	U	50.5	88.8	120	ug/Kg
92-52-4	1,1-Biphenyl	59.7	U	59.7	88.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.9	U	56.9	88.8	120	ug/Kg
88-74-4	2-Nitroaniline	64.9	U	64.9	88.8	120	ug/Kg
131-11-3	Dimethylphthalate	55.8	U	55.8	88.8	120	ug/Kg
208-96-8	Acenaphthylene	59.1	U	59.1	88.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.8	U	56.8	88.8	120	ug/Kg
99-09-2	3-Nitroaniline	60.9	U	60.9	88.8	120	ug/Kg
83-32-9	Acenaphthene	55.4	U	55.4	88.8	120	ug/Kg
Total PAH	Total PAH	904.9	U	904.9	88.8	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	230	ug/Kg
100-02-7	4-Nitrophenol	79.2	U	79.2	180	230	ug/Kg
132-64-9	Dibenzofuran	57.6	U	57.6	88.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.9	U	58.9	88.8	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15.7	U	115.7	88.8	240	ug/Kg
84-66-2	Diethylphthalate	54.7	U	54.7	88.8	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.4	U	58.4	88.8	120	ug/Kg
86-73-7	Fluorene	58.4	U	58.4	88.8	120	ug/Kg
100-01-6	4-Nitroaniline	73.1	U	73.1	88.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.9	U	79.9	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.7	U	55.7	88.8	120	ug/Kg
103-33-3	Azobenzene	54.4	U	54.4	88.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.9	U	53.9	88.8	120	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	88.8	120	ug/Kg
1912-24-9	Atrazine	62.4	U	62.4	88.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BG050324
Lab Sample ID:	P2331-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
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
BG061104.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.8	U	52.8	180	230	ug/Kg
85-01-8	Phenanthrene	57.4	U	57.4	88.8	120	ug/Kg
120-12-7	Anthracene	57.6	U	57.6	88.8	120	ug/Kg
86-74-8	Carbazole	54.8	U	54.8	88.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.6	U	57.6	88.8	120	ug/Kg
206-44-0	Fluoranthene	85.2	J	55.8	88.8	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	230	ug/Kg
129-00-0	Pyrene	64.4	J	56.7	88.8	120	ug/Kg
85-68-7	Butylbenzylphthalate	66.1	U	66.1	88.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.3	U	67.3	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	55.1	U	55.1	88.8	120	ug/Kg
218-01-9	Chrysene	54.3	U	54.3	88.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.1	U	62.1	88.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	75.1	U	75.1	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.4	U	55.4	88.8	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.4	U	56.4	88.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	63.5	U	63.5	88.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53.3	U	53.3	88.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.4	U	55.4	88.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.7	U	54.7	88.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.3	U	59.3	88.8	120	ug/Kg
123-91-1	1,4-Dioxane	75.1	U	75.1	88.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	51	88.8	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.8	U	56.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	144.942		18-112		97	SPK: -150
13127-88-3	Phenol-d6	136.409		15-107		91	SPK: -150
4165-60-0	Nitrobenzene-d5	89.227		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	93.094		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BG050324
Lab Sample ID:	P2331-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
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
BG061104.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.319		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	83.394		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25570	7.935				
1146-65-2	Naphthalene-d8	101860	10.726				
15067-26-2	Acenaphthene-d10	80254	14.562				
1517-22-2	Phenanthrene-d10	177566	17.306				
1719-03-5	Chrysene-d12	185017	21.566				
1520-96-3	Perylene-d12	169319	24.686				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			3.152	
	unknown3.669	130	J			3.669	
000770-35-4	1-Phenoxypropan-2-ol	46.9	J			11.46	
000057-10-3	n-Hexadecanoic acid	230	J			18.211	
	unknown19.480	50.1	J			19.48	
1000130-97-9	E-15-Heptadecenal	81.7	J			21.237	

Report of Analysis

Client:				Date Collected:	5/1/2024 12:00:00 AM		
Project:				Date Received:	5/1/2024 12:00:00 AM		
Client Sample ID:	TP-1			SDG No.:	BG050324		
Lab Sample ID:	P2331-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	9.9		
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
BG061105.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.7	U	57.7	180	220	ug/Kg
110-86-1	Pyridine	53.1	U	53.1	86.5	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	64.5	U	64.5	86.5	110	ug/Kg
108-95-2	Phenol	55.1	U	55.1	86.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.7	U	55.7	86.5	110	ug/Kg
95-57-8	2-Chlorophenol	55.5	U	55.5	86.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.3	U	56.3	86.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.2	U	57.2	86.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.5	U	57.5	86.5	110	ug/Kg
100-51-6	Benzyl Alcohol	55.2	U	55.2	180	220	ug/Kg
95-48-7	2-Methylphenol	53.6	U	53.6	86.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60.5	U	60.5	86.5	110	ug/Kg
98-86-2	Acetophenone	57.8	U	57.8	86.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.1	U	53.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.8	U	26.8	53.2	53.2	ug/Kg
67-72-1	Hexachloroethane	55.2	U	55.2	86.5	110	ug/Kg
98-95-3	Nitrobenzene	60.4	U	60.4	86.5	110	ug/Kg
78-59-1	Isophorone	56.3	U	56.3	86.5	110	ug/Kg
88-75-5	2-Nitrophenol	62.9	U	62.9	86.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62	U	62	86.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.1	U	57.1	86.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.2	U	50.2	86.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.8	U	56.8	86.5	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.9	U	54.9	86.5	110	ug/Kg
106-47-8	4-Chloroaniline	54.9	U	54.9	86.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.4	U	55.4	86.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BG050324
Lab Sample ID:	P2331-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BG061105.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.7	U	57.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.5	U	51.5	86.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.9	U	54.9	86.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.5	U	47.5	86.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49.2	U	49.2	86.5	110	ug/Kg
92-52-4	1,1-Biphenyl	58.1	U	58.1	86.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.4	U	55.4	86.5	110	ug/Kg
88-74-4	2-Nitroaniline	63.2	U	63.2	86.5	110	ug/Kg
131-11-3	Dimethylphthalate	54.3	U	54.3	86.5	110	ug/Kg
208-96-8	Acenaphthylene	57.5	U	57.5	86.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	55.3	U	55.3	86.5	110	ug/Kg
99-09-2	3-Nitroaniline	59.3	U	59.3	86.5	110	ug/Kg
83-32-9	Acenaphthene	53.9	U	53.9	86.5	110	ug/Kg
Total PAH	Total PAH	881.2	U	881.2	86.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.2	U	77.2	180	220	ug/Kg
132-64-9	Dibenzofuran	56.1	U	56.1	86.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	112.6	U	112.6	86.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.3	U	57.3	86.5	110	ug/Kg
84-66-2	Diethylphthalate	53.3	U	53.3	86.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.9	U	56.9	86.5	110	ug/Kg
86-73-7	Fluorene	56.9	U	56.9	86.5	110	ug/Kg
100-01-6	4-Nitroaniline	71.2	U	71.2	86.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.8	U	77.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	54.3	U	54.3	86.5	110	ug/Kg
103-33-3	Azobenzene	52.9	U	52.9	86.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.5	U	52.5	86.5	110	ug/Kg
118-74-1	Hexachlorobenzene	56.5	U	56.5	86.5	110	ug/Kg
1912-24-9	Atrazine	60.8	U	60.8	86.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BG050324
Lab Sample ID:	P2331-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BG061105.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51.4	U	51.4	180	220	ug/Kg
85-01-8	Phenanthrene	55.9	U	55.9	86.5	110	ug/Kg
120-12-7	Anthracene	56.1	U	56.1	86.5	110	ug/Kg
86-74-8	Carbazole	53.4	U	53.4	86.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.1	U	56.1	86.5	110	ug/Kg
206-44-0	Fluoranthene	54.3	U	54.3	86.5	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	55.2	U	55.2	86.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	64.4	U	64.4	86.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.6	U	65.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	53.7	U	53.7	86.5	110	ug/Kg
218-01-9	Chrysene	52.9	U	52.9	86.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	60.5	U	60.5	86.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	73.2	U	73.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.9	U	53.9	86.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	54.9	U	54.9	86.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.9	U	61.9	86.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.9	U	51.9	86.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54	U	54	86.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53.3	U	53.3	86.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.7	U	57.7	86.5	110	ug/Kg
123-91-1	1,4-Dioxane	73.2	U	73.2	86.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	86.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	55.3	U	55.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.141		18-112		59	SPK: -150
13127-88-3	Phenol-d6	85.63		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	54.16		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	56.457		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BG050324
Lab Sample ID:	P2331-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BG061105.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.363		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	53.995		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24771	7.93				
1146-65-2	Naphthalene-d8	100967	10.727				
15067-26-2	Acenaphthene-d10	80700	14.563				
1517-22-2	Phenanthrene-d10	183440	17.307				
1719-03-5	Chrysene-d12	187182	21.567				
1520-96-3	Perylene-d12	178158	24.687				
TENTATIVE IDENTIFIED COMPOUNDS							
001768-36-1	Cyanoic acid, propyl ester	50.8	J			3.077	
000994-05-8	Butane, 2-methoxy-2-methyl-	750	J			3.153	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	49.2	A			5.057	
018912-80-6	Ethanol, 2-[2-(2-methylpropoxy)eth	83.6	J			10.497	
000638-53-9	Tridecanoic acid	58.8	J			18.206	
062016-76-6	Nonadecane, 1-chloro-	45.2	J			21.238	

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG050324
Lab Sample ID:	P2331-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061106.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	720		57.7	180	220	ug/Kg
110-86-1	Pyridine	600		53.1	86.4	110	ug/Kg
100-52-7	Benzaldehyde	660		120	180	220	ug/Kg
62-53-3	Aniline	520		64.4	86.4	110	ug/Kg
108-95-2	Phenol	980		55.1	86.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		55.7	86.4	110	ug/Kg
95-57-8	2-Chlorophenol	970		55.5	86.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	950		56.3	86.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	950		57.2	86.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	930		57.5	86.4	110	ug/Kg
100-51-6	Benzyl Alcohol	910		55.2	180	220	ug/Kg
95-48-7	2-Methylphenol	960		53.6	86.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		60.4	86.4	110	ug/Kg
98-86-2	Acetophenone	960		57.8	86.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	930		53.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	820		26.8	53.2	53.2	ug/Kg
67-72-1	Hexachloroethane	940		55.2	86.4	110	ug/Kg
98-95-3	Nitrobenzene	920		60.4	86.4	110	ug/Kg
78-59-1	Isophorone	840		56.3	86.4	110	ug/Kg
88-75-5	2-Nitrophenol	920		62.8	86.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		62	86.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	910		57.1	86.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		50.2	86.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		56.8	86.4	110	ug/Kg
65-85-0	Benzoic acid	760		160	180	220	ug/Kg
91-20-3	Naphthalene	960		54.9	86.4	110	ug/Kg
106-47-8	4-Chloroaniline	470		54.9	86.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	950		55.4	86.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG050324
Lab Sample ID:	P2331-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061106.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	760		57.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	890		51.5	86.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	920		54.9	86.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	950		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		47.5	86.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		49.2	86.4	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		58.1	86.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		55.4	86.4	110	ug/Kg
88-74-4	2-Nitroaniline	980		63.2	86.4	110	ug/Kg
131-11-3	Dimethylphthalate	910		54.3	86.4	110	ug/Kg
208-96-8	Acenaphthylene	1100		57.5	86.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	890		55.3	86.4	110	ug/Kg
99-09-2	3-Nitroaniline	700		59.3	86.4	110	ug/Kg
83-32-9	Acenaphthene	940		53.9	86.4	110	ug/Kg
Total PAH	Total PAH	15290		881.1	86.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	500		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1700		77.1	180	220	ug/Kg
132-64-9	Dibenzofuran	970		56.1	86.4	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	830		57.3	86.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	720		112.6	86.4	220	ug/Kg
84-66-2	Diethylphthalate	860		53.3	86.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	930		56.9	86.4	110	ug/Kg
86-73-7	Fluorene	930		56.9	86.4	110	ug/Kg
100-01-6	4-Nitroaniline	880		71.2	86.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340		77.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		54.3	86.4	110	ug/Kg
103-33-3	Azobenzene	920		52.9	86.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		52.5	86.4	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		56.5	86.4	110	ug/Kg
1912-24-9	Atrazine	1100		60.8	86.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG050324
Lab Sample ID:	P2331-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061106.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	E	51.4	180	220	ug/Kg
85-01-8	Phenanthrene	1000		55.9	86.4	110	ug/Kg
120-12-7	Anthracene	1100		56.1	86.4	110	ug/Kg
86-74-8	Carbazole	1000		53.4	86.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	980		56.1	86.4	110	ug/Kg
206-44-0	Fluoranthene	990		54.3	86.4	110	ug/Kg
92-87-5	Benzidine	1400		110	180	220	ug/Kg
129-00-0	Pyrene	960		55.2	86.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		64.4	86.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	770		65.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		53.7	86.4	110	ug/Kg
218-01-9	Chrysene	1000		52.9	86.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		60.5	86.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		73.1	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		53.9	86.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		54.9	86.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		61.8	86.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	700		51.9	86.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	750		54	86.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	570		53.3	86.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		57.7	86.4	110	ug/Kg
123-91-1	1,4-Dioxane	600		73.1	86.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	930		49.7	86.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	870		55.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.397		18-112		58	SPK: -150
13127-88-3	Phenol-d6	84.535		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	53.318		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	56.305		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG050324
Lab Sample ID:	P2331-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061106.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.409		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	52.055		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25525	7.934				
1146-65-2	Naphthalene-d8	105399	10.731				
15067-26-2	Acenaphthene-d10	83182	14.567				
1517-22-2	Phenanthrene-d10	184634	17.311				
1719-03-5	Chrysene-d12	189575	21.571				
1520-96-3	Perylene-d12	177615	24.697				



Client:				Date Collected:	5/1/2024 12:00:00 AM	
Project:				Date Received:	5/1/2024 12:00:00 AM	
Client Sample ID:	TP-1MSD			SDG No.:	BG050324	
Lab Sample ID:	P2331-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	9.9	
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
BG061107.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	720		57.8	180	220	ug/Kg
110-86-1	Pyridine	610		53.2	86.5	110	ug/Kg
100-52-7	Benzaldehyde	710		120	180	220	ug/Kg
62-53-3	Aniline	530		64.5	86.5	110	ug/Kg
108-95-2	Phenol	960		55.2	86.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		55.7	86.5	110	ug/Kg
95-57-8	2-Chlorophenol	990		55.6	86.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	950		56.3	86.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	930		57.2	86.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	920		57.6	86.5	110	ug/Kg
100-51-6	Benzyl Alcohol	940		55.2	180	220	ug/Kg
95-48-7	2-Methylphenol	980		53.6	86.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		60.5	86.5	110	ug/Kg
98-86-2	Acetophenone	970		57.8	86.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	960		53.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	840		26.8	53.2	53.2	ug/Kg
67-72-1	Hexachloroethane	920		55.2	86.5	110	ug/Kg
98-95-3	Nitrobenzene	920		60.4	86.5	110	ug/Kg
78-59-1	Isophorone	840		56.3	86.5	110	ug/Kg
88-75-5	2-Nitrophenol	940		62.9	86.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		62	86.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		57.1	86.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		50.2	86.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		56.8	86.5	110	ug/Kg
65-85-0	Benzoic acid	780		160	180	220	ug/Kg
91-20-3	Naphthalene	960		55	86.5	110	ug/Kg
106-47-8	4-Chloroaniline	470		55	86.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	970		55.4	86.5	110	ug/Kg



Client:				Date Collected:	5/1/2024 12:00:00 AM	
Project:				Date Received:	5/1/2024 12:00:00 AM	
Client Sample ID:	TP-1MSD			SDG No.:	BG050324	
Lab Sample ID:	P2331-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	9.9	
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
BG061107.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	800		57.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910		51.6	86.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	930		54.9	86.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	990		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		47.5	86.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	980		49.2	86.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		58.2	86.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		55.4	86.5	110	ug/Kg
88-74-4	2-Nitroaniline	980		63.2	86.5	110	ug/Kg
131-11-3	Dimethylphthalate	890		54.4	86.5	110	ug/Kg
208-96-8	Acenaphthylene	1100		57.6	86.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	880		55.4	86.5	110	ug/Kg
99-09-2	3-Nitroaniline	700		59.4	86.5	110	ug/Kg
83-32-9	Acenaphthene	940		54	86.5	110	ug/Kg
Total PAH	Total PAH	15160		882	86.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	540		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1700		77.2	180	220	ug/Kg
132-64-9	Dibenzofuran	970		56.2	86.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	730		112.8	86.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	850		57.4	86.5	110	ug/Kg
84-66-2	Diethylphthalate	850		53.3	86.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		57	86.5	110	ug/Kg
86-73-7	Fluorene	910		56.9	86.5	110	ug/Kg
100-01-6	4-Nitroaniline	870		71.2	86.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350		77.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		54.3	86.5	110	ug/Kg
103-33-3	Azobenzene	930		53	86.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		52.5	86.5	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		56.6	86.5	110	ug/Kg
1912-24-9	Atrazine	1100		60.8	86.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG050324
Lab Sample ID:	P2331-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BG061107.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800	E	51.4	180	220	ug/Kg
85-01-8	Phenanthrene	1000		55.9	86.5	110	ug/Kg
120-12-7	Anthracene	1000		56.2	86.5	110	ug/Kg
86-74-8	Carbazole	980		53.4	86.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	950		56.1	86.5	110	ug/Kg
206-44-0	Fluoranthene	950		54.4	86.5	110	ug/Kg
92-87-5	Benzidine	1500		110	180	220	ug/Kg
129-00-0	Pyrene	960		55.2	86.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		64.4	86.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780		65.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	980		53.7	86.5	110	ug/Kg
218-01-9	Chrysene	1000		52.9	86.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		60.6	86.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		73.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	970		54	86.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		55	86.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		61.9	86.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	760		52	86.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	690		54	86.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	640		53.3	86.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		57.8	86.5	110	ug/Kg
123-91-1	1,4-Dioxane	610		73.2	86.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		49.7	86.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	870		55.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.417		18-112		58	SPK: -150
13127-88-3	Phenol-d6	84.66		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	52.99		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	55.224		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG050324
Lab Sample ID:	P2331-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BG061107.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.043		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	52.238		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24855	7.936				
1146-65-2	Naphthalene-d8	102601	10.733				
15067-26-2	Acenaphthene-d10	83034	14.564				
1517-22-2	Phenanthrene-d10	190226	17.314				
1719-03-5	Chrysene-d12	189793	21.573				
1520-96-3	Perylene-d12	177341	24.693				

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	V359			SDG No.:	BG050324		
Lab Sample ID:	P2354-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	42.8		
Sample Wt/Vol:	50.07	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
BG061108.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.9	U	90.9	280	350	ug/Kg
110-86-1	Pyridine	83.7	U	83.7	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	280	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	220		86.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.7	U	87.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	87.5	U	87.5	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.6	U	88.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	90.1	U	90.1	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.6	U	90.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	86.9	U	86.9	280	350	ug/Kg
95-48-7	2-Methylphenol	84.4	U	84.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.2	U	95.2	140	180	ug/Kg
98-86-2	Acetophenone	91	U	91	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.6	U	83.6	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.2	U	42.2	83.8	83.8	ug/Kg
67-72-1	Hexachloroethane	86.9	U	86.9	140	180	ug/Kg
98-95-3	Nitrobenzene	95.1	U	95.1	140	180	ug/Kg
78-59-1	Isophorone	88.6	U	88.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	99	U	99	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.6	U	97.6	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	89.9	U	89.9	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.1	U	79.1	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.5	U	89.5	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	280	350	ug/Kg
91-20-3	Naphthalene	86.5	U	86.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	86.5	U	86.5	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.3	U	87.3	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359	SDG No.:	BG050324
Lab Sample ID:	P2354-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061108.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	90.9	U	90.9	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.2	U	81.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.4	U	86.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.8	U	74.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.5	U	77.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	91.6	U	91.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.3	U	87.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	99.5	U	99.5	140	180	ug/Kg
131-11-3	Dimethylphthalate	85.6	U	85.6	140	180	ug/Kg
208-96-8	Acenaphthylene	90.6	U	90.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.2	U	87.2	140	180	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	140	180	ug/Kg
83-32-9	Acenaphthene	85	U	85	140	180	ug/Kg
Total PAH	Total PAH	1388.1	U	1388.1	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	280	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	350	ug/Kg
132-64-9	Dibenzofuran	88.4	U	88.4	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	77.5	U	177.5	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.3	U	90.3	140	180	ug/Kg
84-66-2	Diethylphthalate	83.9	U	83.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.7	U	89.7	140	180	ug/Kg
86-73-7	Fluorene	89.6	U	89.6	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.5	U	85.5	140	180	ug/Kg
103-33-3	Azobenzene	83.4	U	83.4	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.6	U	82.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	89	U	89	140	180	ug/Kg
1912-24-9	Atrazine	95.7	U	95.7	140	180	ug/Kg

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	V359			SDG No.:	BG050324		
Lab Sample ID:	P2354-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	42.8		
Sample Wt/Vol:	50.07	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
BG061108.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81	U	81	280	350	ug/Kg
85-01-8	Phenanthrene	88	U	88	140	180	ug/Kg
120-12-7	Anthracene	88.4	U	88.4	140	180	ug/Kg
86-74-8	Carbazole	84.1	U	84.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.3	U	88.3	140	180	ug/Kg
206-44-0	Fluoranthene	85.6	U	85.6	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	280	350	ug/Kg
129-00-0	Pyrene	86.9	U	86.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.5	U	84.5	140	180	ug/Kg
218-01-9	Chrysene	83.3	U	83.3	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.3	U	95.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85	U	85	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.5	U	86.5	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.4	U	97.4	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.8	U	81.8	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.1	U	85.1	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	83.9	U	83.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.9	U	90.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.2	U	78.2	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	87.2	U	87.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	62.914		18-112		42	SPK: -150
13127-88-3	Phenol-d6	73.283		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	46.244		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	30.115		20-109		30	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359	SDG No.:	BG050324
Lab Sample ID:	P2354-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061108.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	44.558		10-110		30	SPK: -150
1718-51-0	Terphenyl-d14	23.187		14-112		23	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25973	7.936				
1146-65-2	Naphthalene-d8	104883	10.727				
15067-26-2	Acenaphthene-d10	81185	14.563				
1517-22-2	Phenanthrene-d10	183391	17.313				
1719-03-5	Chrysene-d12	184747	21.567				
1520-96-3	Perylene-d12	180902	24.693				
TENTATIVE IDENTIFIED COMPOUNDS							
000763-29-1	1-Pentene, 2-methyl-	110	J			3.071	
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			3.153	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	550	A			5.057	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	91.1	J			10.498	
010468-64-1	Benzene, 1-isocyano-2-methyl-	73	J			12.219	
000057-10-3	n-Hexadecanoic acid	120	J			18.212	

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BG050324
Lab Sample ID:	P2354-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
Sample Wt/Vol:	50.09	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
BG061109.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		90.9	280	350	ug/Kg
110-86-1	Pyridine	1000		83.7	140	180	ug/Kg
100-52-7	Benzaldehyde	980		190	280	350	ug/Kg
62-53-3	Aniline	880		100	140	180	ug/Kg
108-95-2	Phenol	1800		86.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		87.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	1600		87.4	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		88.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		90	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		90.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	1500		86.9	280	350	ug/Kg
95-48-7	2-Methylphenol	1500		84.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		95.2	140	180	ug/Kg
98-86-2	Acetophenone	1600		91	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	1500		83.6	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		42.2	83.8	83.8	ug/Kg
67-72-1	Hexachloroethane	1400		86.9	140	180	ug/Kg
98-95-3	Nitrobenzene	1500		95.1	140	180	ug/Kg
78-59-1	Isophorone	1400		88.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	1600		98.9	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		97.6	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		89.8	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		79.1	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		89.4	140	180	ug/Kg
65-85-0	Benzoic acid	1200		250	280	350	ug/Kg
91-20-3	Naphthalene	1600		86.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	820		86.5	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	1600		87.2	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BG050324
Lab Sample ID:	P2354-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
Sample Wt/Vol:	50.09	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
BG061109.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1300		90.9	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		81.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	1600		86.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1400		160	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		74.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		77.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	1700		91.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	1700		87.2	140	180	ug/Kg
88-74-4	2-Nitroaniline	1600		99.5	140	180	ug/Kg
131-11-3	Dimethylphthalate	1500		85.5	140	180	ug/Kg
208-96-8	Acenaphthylene	1800		90.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		87.1	140	180	ug/Kg
99-09-2	3-Nitroaniline	1200		93.4	140	180	ug/Kg
83-32-9	Acenaphthene	1600		84.9	140	180	ug/Kg
Total PAH	Total PAH	25250		1387.5	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	860		250	280	350	ug/Kg
100-02-7	4-Nitrophenol	2900	E	120	280	350	ug/Kg
132-64-9	Dibenzofuran	1600		88.4	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		90.3	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2800		177.4	140	360	ug/Kg
84-66-2	Diethylphthalate	1400		83.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		89.6	140	180	ug/Kg
86-73-7	Fluorene	1500		89.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	1400		110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	590		120	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		85.4	140	180	ug/Kg
103-33-3	Azobenzene	1600		83.3	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		82.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	1700		89	140	180	ug/Kg
1912-24-9	Atrazine	1900		95.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BG050324
Lab Sample ID:	P2354-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
Sample Wt/Vol:	50.09	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
BG061109.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3100	E	80.9	280	350	ug/Kg
85-01-8	Phenanthrene	1700		88	140	180	ug/Kg
120-12-7	Anthracene	1800		88.4	140	180	ug/Kg
86-74-8	Carbazole	1700		84.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	1600		88.3	140	180	ug/Kg
206-44-0	Fluoranthene	1600		85.5	140	180	ug/Kg
92-87-5	Benzidine	2500		170	280	350	ug/Kg
129-00-0	Pyrene	1600		86.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	1700		100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		100	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	1700		84.5	140	180	ug/Kg
218-01-9	Chrysene	1700		83.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		95.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		120	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		84.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		86.5	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	1800		97.4	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		81.8	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		85	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		83.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		90.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	960		120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		78.2	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	1400		87.1	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	62		18-112		41	SPK: -150
13127-88-3	Phenol-d6	71.617		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	47.187		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	30.432		20-109		30	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BG050324
Lab Sample ID:	P2354-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
Sample Wt/Vol:	50.09	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
BG061109.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	45.536		10-110		30	SPK: -150
1718-51-0	Terphenyl-d14	23.019		14-112		23	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27291	7.932				
1146-65-2	Naphthalene-d8	107435	10.729				
15067-26-2	Acenaphthene-d10	83786	14.565				
1517-22-2	Phenanthrene-d10	191325	17.309				
1719-03-5	Chrysene-d12	188689	21.575				
1520-96-3	Perylene-d12	171683	24.695				

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MSD	SDG No.:	BG050324
Lab Sample ID:	P2354-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
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
BG061110.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		91	280	350	ug/Kg
110-86-1	Pyridine	920		83.8	140	180	ug/Kg
100-52-7	Benzaldehyde	980		190	280	350	ug/Kg
62-53-3	Aniline	890		100	140	180	ug/Kg
108-95-2	Phenol	1700		86.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		87.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	1500		87.5	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		88.7	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		90.2	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		90.7	140	180	ug/Kg
100-51-6	Benzyl Alcohol	1400		87	280	350	ug/Kg
95-48-7	2-Methylphenol	1400		84.5	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		95.3	140	180	ug/Kg
98-86-2	Acetophenone	1500		91.1	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	1400		83.7	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		42.2	83.9	83.9	ug/Kg
67-72-1	Hexachloroethane	1300		87	140	180	ug/Kg
98-95-3	Nitrobenzene	1400		95.2	140	180	ug/Kg
78-59-1	Isophorone	1300		88.7	140	180	ug/Kg
88-75-5	2-Nitrophenol	1400		99.1	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		97.7	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		89.9	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		79.1	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		89.5	140	180	ug/Kg
65-85-0	Benzoic acid	1200		250	280	350	ug/Kg
91-20-3	Naphthalene	1500		86.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	810		86.6	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	1500		87.3	140	180	ug/Kg



Client:				Date Collected:	5/2/2024 12:00:00 AM	
Project:				Date Received:	5/2/2024 12:00:00 AM	
Client Sample ID:	V359MSD			SDG No.:	BG050324	
Lab Sample ID:	P2354-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	42.8	
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
BG061110.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1200		91	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		81.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	1400		86.5	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1300		160	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		74.9	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		77.6	140	180	ug/Kg
92-52-4	1,1-Biphenyl	1600		91.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	1600		87.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	1500		99.6	140	180	ug/Kg
131-11-3	Dimethylphthalate	1400		85.6	140	180	ug/Kg
208-96-8	Acenaphthylene	1700		90.7	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		87.2	140	180	ug/Kg
99-09-2	3-Nitroaniline	1100		93.5	140	180	ug/Kg
83-32-9	Acenaphthene	1500		85	140	180	ug/Kg
Total PAH	Total PAH	24270		1389.1	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	770		250	280	350	ug/Kg
100-02-7	4-Nitrophenol	2700		120	280	350	ug/Kg
132-64-9	Dibenzofuran	1500		88.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2600		177.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		90.4	140	180	ug/Kg
84-66-2	Diethylphthalate	1300		84	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		89.7	140	180	ug/Kg
86-73-7	Fluorene	1500		89.6	140	180	ug/Kg
100-01-6	4-Nitroaniline	1400		110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	520		120	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		85.5	140	180	ug/Kg
103-33-3	Azobenzene	1500		83.4	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		82.7	140	180	ug/Kg
118-74-1	Hexachlorobenzene	1600		89.1	140	180	ug/Kg
1912-24-9	Atrazine	1700		95.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MSD	SDG No.:	BG050324
Lab Sample ID:	P2354-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
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
BG061110.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2800	E	81	280	350	ug/Kg
85-01-8	Phenanthrene	1600		88.1	140	180	ug/Kg
120-12-7	Anthracene	1600		88.5	140	180	ug/Kg
86-74-8	Carbazole	1500		84.2	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	1500		88.4	140	180	ug/Kg
206-44-0	Fluoranthene	1500		85.6	140	180	ug/Kg
92-87-5	Benzidine	2500		170	280	350	ug/Kg
129-00-0	Pyrene	1500		87	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		100	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	1600		84.6	140	180	ug/Kg
218-01-9	Chrysene	1600		83.3	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		95.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		85	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		86.6	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	1800		97.5	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		81.9	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		85.1	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		84	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		91	140	180	ug/Kg
123-91-1	1,4-Dioxane	940		120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		78.3	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	1300		87.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	57.681		18-112		38	SPK: -150
13127-88-3	Phenol-d6	68.745		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	44.611		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	28.594		20-109		29	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MSD	SDG No.:	BG050324
Lab Sample ID:	P2354-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	42.8
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
BG061110.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	41.965		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	21.309		14-112		21	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26939	7.934				
1146-65-2	Naphthalene-d8	109052	10.731				
15067-26-2	Acenaphthene-d10	83703	14.562				
1517-22-2	Phenanthrene-d10	191666	17.311				
1719-03-5	Chrysene-d12	189302	21.571				
1520-96-3	Perylene-d12	165890	24.697				

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	OUTSIDE-FOOTINGS	SDG No.:	BG050324
Lab Sample ID:	P2362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061111.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.6	U	86.6	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	83.5	U	83.5	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.3	U	83.3	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.4	U	84.4	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.8	U	85.8	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.3	U	86.3	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)	90.7	U	90.7	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	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	90.6	U	90.6	130	170	ug/Kg
78-59-1	Isophorone	84.4	U	84.4	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.2	U	94.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93	U	93	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.6	U	85.6	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	85.2	U	85.2	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



Client:				Date Collected:	4/24/2024 12:00:00 AM	
Project:				Date Received:	4/24/2024 12:00:00 AM	
Client Sample ID:	OUTSIDE-FOOTINGS			SDG No.:	BG050324	
Lab Sample ID:	P2362-02			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061111.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.6	U	86.6	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	87.2	U	87.2	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	86.3	U	86.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83	U	83	130	170	ug/Kg
99-09-2	3-Nitroaniline	89	U	89	130	170	ug/Kg
83-32-9	Acenaphthene	80.9	U	80.9	130	170	ug/Kg
Total PAH	Total PAH	1321.9	U	1321.9	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	84.2	U	84.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169	U	169	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86	U	86	130	170	ug/Kg
84-66-2	Diethylphthalate	79.9	U	79.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.4	U	85.4	130	170	ug/Kg
86-73-7	Fluorene	85.3	U	85.3	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	84.8	U	84.8	130	170	ug/Kg
1912-24-9	Atrazine	91.2	U	91.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	OUTSIDE-FOOTINGS	SDG No.:	BG050324
Lab Sample ID:	P2362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061111.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

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	83.8	U	83.8	130	170	ug/Kg
120-12-7	Anthracene	84.2	U	84.2	130	170	ug/Kg
86-74-8	Carbazole	80.1	U	80.1	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.1	U	84.1	130	170	ug/Kg
206-44-0	Fluoranthene	81.5	U	81.5	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.8	U	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	90.8	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	80.9	U	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	92.8	U	92.8	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	86.6	U	86.6	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	95.609		18-112		64	SPK: -150
13127-88-3	Phenol-d6	91.233		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	57.464		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	63.447		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	OUTSIDE-FOOTINGS	SDG No.:	BG050324
Lab Sample ID:	P2362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061111.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.941		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	58.478		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24895	7.935				
1146-65-2	Naphthalene-d8	100262	10.732				
15067-26-2	Acenaphthene-d10	77675	14.563				
1517-22-2	Phenanthrene-d10	176366	17.312				
1719-03-5	Chrysene-d12	175076	21.566				
1520-96-3	Perylene-d12	157997	24.686				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	970	J			3.152	
	unknown3.675	81.8	J			3.675	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	170	J			13.464	
000057-10-3	n-Hexadecanoic acid	93.4	J			18.205	

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	INSIDE	SDG No.:	BG050324
Lab Sample ID:	P2362-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BG061112.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

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

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	INSIDE	SDG No.:	BG050324
Lab Sample ID:	P2362-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BG061112.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

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

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	INSIDE	SDG No.:	BG050324
Lab Sample ID:	P2362-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BG061112.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

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	87.372		18-112		58	SPK: -150
13127-88-3	Phenol-d6	84.211		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	57.115		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	64.71		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	INSIDE	SDG No.:	BG050324
Lab Sample ID:	P2362-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BG061112.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.888		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	59.846		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29819	7.935				
1146-65-2	Naphthalene-d8	115910	10.732				
15067-26-2	Acenaphthene-d10	86400	14.563				
1517-22-2	Phenanthrene-d10	192506	17.312				
1719-03-5	Chrysene-d12	192798	21.566				
1520-96-3	Perylene-d12	179784	24.692				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	940	J			3.152	
	unknown3.670	100	J			3.67	
000057-10-3	n-Hexadecanoic acid	180	J			18.211	
1000351-81-2	Hexacosyl pentafluoropropionate	230	J			21.237	
001599-67-3	1-Docosene	200	J			22.406	
001560-93-6	Pentadecane, 2-methyl-	160	J			23.828	
000629-78-7	Heptadecane	200	J			25.849	

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BG050324
Lab Sample ID:	P2355-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.2
Sample Wt/Vol:	50.02	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
BG061113.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	80.3	U	80.3	250	310	ug/Kg
110-86-1	Pyridine	74	U	74	120	160	ug/Kg
100-52-7	Benzaldehyde	170	U	170	250	310	ug/Kg
62-53-3	Aniline	89.7	U	89.7	120	160	ug/Kg
108-95-2	Phenol	76.7	U	76.7	120	160	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	77.5	U	77.5	120	160	ug/Kg
95-57-8	2-Chlorophenol	77.3	U	77.3	120	160	ug/Kg
95-50-1	1,2-Dichlorobenzene	78.3	U	78.3	120	160	ug/Kg
541-73-1	1,3-Dichlorobenzene	79.6	U	79.6	120	160	ug/Kg
106-46-7	1,4-Dichlorobenzene	80.1	U	80.1	120	160	ug/Kg
100-51-6	Benzyl Alcohol	76.8	U	76.8	250	310	ug/Kg
95-48-7	2-Methylphenol	74.6	U	74.6	120	160	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	84.1	U	84.1	120	160	ug/Kg
98-86-2	Acetophenone	80.4	U	80.4	120	160	ug/Kg
65794-96-9	3+4-Methylphenols	620		73.9	250	310	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.3	U	37.3	74	74	ug/Kg
67-72-1	Hexachloroethane	76.8	U	76.8	120	160	ug/Kg
98-95-3	Nitrobenzene	84	U	84	120	160	ug/Kg
78-59-1	Isophorone	78.3	U	78.3	120	160	ug/Kg
88-75-5	2-Nitrophenol	87.5	U	87.5	120	160	ug/Kg
105-67-9	2,4-Dimethylphenol	86.3	U	86.3	120	160	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	79.4	U	79.4	120	160	ug/Kg
120-83-2	2,4-Dichlorophenol	69.9	U	69.9	120	160	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	79	U	79	120	160	ug/Kg
65-85-0	Benzoic acid	220	U	220	250	310	ug/Kg
91-20-3	Naphthalene	76.5	U	76.5	120	160	ug/Kg
106-47-8	4-Chloroaniline	76.5	U	76.5	120	160	ug/Kg
87-68-3	Hexachlorobutadiene	77.1	U	77.1	120	160	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BG050324
Lab Sample ID:	P2355-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.2
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061113.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	80.3	U	80.3	250	310	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.7	U	71.7	120	160	ug/Kg
91-57-6	2-Methylnaphthalene	76.4	U	76.4	120	160	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	250	310	ug/Kg
88-06-2	2,4,6-Trichlorophenol	66.1	U	66.1	120	160	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.5	U	68.5	120	160	ug/Kg
92-52-4	1,1-Biphenyl	80.9	U	80.9	120	160	ug/Kg
91-58-7	2-Chloronaphthalene	77.1	U	77.1	120	160	ug/Kg
88-74-4	2-Nitroaniline	87.9	U	87.9	120	160	ug/Kg
131-11-3	Dimethylphthalate	75.6	U	75.6	120	160	ug/Kg
208-96-8	Acenaphthylene	80.1	U	80.1	120	160	ug/Kg
606-20-2	2,6-Dinitrotoluene	77	U	77	120	160	ug/Kg
99-09-2	3-Nitroaniline	82.6	U	82.6	120	160	ug/Kg
83-32-9	Acenaphthene	75.1	U	75.1	120	160	ug/Kg
Total PAH	Total PAH	1226.6	U	1226.6	120	2560	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	250	310	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	250	310	ug/Kg
132-64-9	Dibenzofuran	78.1	U	78.1	120	160	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	156.8	U	156.8	120	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	79.8	U	79.8	120	160	ug/Kg
84-66-2	Diethylphthalate	74.1	U	74.1	120	160	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	79.2	U	79.2	120	160	ug/Kg
86-73-7	Fluorene	79.1	U	79.1	120	160	ug/Kg
100-01-6	4-Nitroaniline	99	U	99	120	160	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	250	310	ug/Kg
86-30-6	n-Nitrosodiphenylamine	75.5	U	75.5	120	160	ug/Kg
103-33-3	Azobenzene	73.7	U	73.7	120	160	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73	U	73	120	160	ug/Kg
118-74-1	Hexachlorobenzene	78.7	U	78.7	120	160	ug/Kg
1912-24-9	Atrazine	84.6	U	84.6	120	160	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BG050324
Lab Sample ID:	P2355-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.2
Sample Wt/Vol:	50.02	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
BG061113.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	71.5	U	71.5	250	310	ug/Kg
85-01-8	Phenanthrene	100	J	77.7	120	160	ug/Kg
120-12-7	Anthracene	78.1	U	78.1	120	160	ug/Kg
86-74-8	Carbazole	74.3	U	74.3	120	160	ug/Kg
84-74-2	Di-n-butylphthalate	78	U	78	120	160	ug/Kg
206-44-0	Fluoranthene	170		75.6	120	160	ug/Kg
92-87-5	Benzidine	150	U	150	250	310	ug/Kg
129-00-0	Pyrene	150	J	76.8	120	160	ug/Kg
85-68-7	Butylbenzylphthalate	89.6	U	89.6	120	160	ug/Kg
91-94-1	3,3-Dichlorobenzidine	91.3	U	91.3	250	310	ug/Kg
56-55-3	Benzo(a)anthracene	77.8	J	74.7	120	160	ug/Kg
218-01-9	Chrysene	92.3	J	73.6	120	160	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	240		84.2	120	160	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	250	310	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	75.1	120	160	ug/Kg
207-08-9	Benzo(k)fluoranthene	76.5	U	76.5	120	160	ug/Kg
50-32-8	Benzo(a)pyrene	86.1	U	86.1	120	160	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.3	U	72.3	120	160	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	75.2	U	75.2	120	160	ug/Kg
191-24-2	Benzo(g,h,i)perylene	74.1	U	74.1	120	160	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	80.3	U	80.3	120	160	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	120	160	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	69.1	U	69.1	120	160	ug/Kg
90-12-0	1-Methylnaphthalene	77	U	77	160	160	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.676		18-112		67	SPK: -150
13127-88-3	Phenol-d6	95.016		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	62.889		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	62.255		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BG050324
Lab Sample ID:	P2355-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.2
Sample Wt/Vol:	50.02	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
BG061113.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	95.348		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	51.476		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30630	7.935				
1146-65-2	Naphthalene-d8	118844	10.726				
15067-26-2	Acenaphthene-d10	88160	14.562				
1517-22-2	Phenanthrene-d10	188950	17.312				
1719-03-5	Chrysene-d12	190329	21.572				
1520-96-3	Perylene-d12	180407	24.697				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	980	J			3.152	
000143-07-7	Dodecanoic acid	66.6	J			14.985	
000544-63-8	Tetradecanoic acid	270	J			16.719	
000057-10-3	n-Hexadecanoic acid	3200	J			18.234	
000057-11-4	Octadecanoic acid	460	J			19.492	
	unknown21.243	79.6	J			21.243	
000629-78-7	Heptadecane	340	J			23.834	

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	HD-01-05022024	SDG No.:	BG050324
Lab Sample ID:	P2357-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BG061114.D	5	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	890	1100	ug/Kg
110-86-1	Pyridine	260	U	260	430	560	ug/Kg
100-52-7	Benzaldehyde	600	U	600	890	1100	ug/Kg
62-53-3	Aniline	320	U	320	430	560	ug/Kg
108-95-2	Phenol	270	U	270	430	560	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	430	560	ug/Kg
95-57-8	2-Chlorophenol	280	U	280	430	560	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	430	560	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	430	560	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	430	560	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	890	1100	ug/Kg
95-48-7	2-Methylphenol	270	U	270	430	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	430	560	ug/Kg
98-86-2	Acetophenone	290	U	290	430	560	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	890	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	430	560	ug/Kg
98-95-3	Nitrobenzene	300	U	300	430	560	ug/Kg
78-59-1	Isophorone	280	U	280	430	560	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	430	560	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	430	560	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	430	560	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	430	560	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	430	560	ug/Kg
65-85-0	Benzoic acid	780	U	780	890	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	430	560	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	430	560	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	HD-01-05022024	SDG No.:	BG050324
Lab Sample ID:	P2357-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061114.D	5	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	290	U	290	890	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	430	560	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	430	560	ug/Kg
77-47-4	Hexachlorocyclopentadiene	520	U	520	890	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	430	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	430	560	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	430	560	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	430	560	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	430	560	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	430	560	ug/Kg
208-96-8	Acenaphthylene	290	U	290	430	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	430	560	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	430	560	ug/Kg
83-32-9	Acenaphthene	270	U	270	430	560	ug/Kg
Total PAH	Total PAH	7910	U	4380	430	8960	ug/Kg
51-28-5	2,4-Dinitrophenol	800	U	800	890	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	890	1100	ug/Kg
132-64-9	Dibenzofuran	280	U	280	430	560	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	430	560	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	430	1120	ug/Kg
84-66-2	Diethylphthalate	260	U	260	430	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	430	560	ug/Kg
86-73-7	Fluorene	280	U	280	430	560	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	430	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	390	890	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	430	560	ug/Kg
103-33-3	Azobenzene	260	U	260	430	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	430	560	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	430	560	ug/Kg
1912-24-9	Atrazine	300	U	300	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	HD-01-05022024	SDG No.:	BG050324
Lab Sample ID:	P2357-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061114.D	5	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	260	U	260	890	1100	ug/Kg
85-01-8	Phenanthrene	1400		280	430	560	ug/Kg
120-12-7	Anthracene	440	J	280	430	560	ug/Kg
86-74-8	Carbazole	270	U	270	430	560	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	430	560	ug/Kg
206-44-0	Fluoranthene	1700		270	430	560	ug/Kg
92-87-5	Benzidine	540	U	540	890	1100	ug/Kg
129-00-0	Pyrene	1400		270	430	560	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	430	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	890	1100	ug/Kg
56-55-3	Benzo(a)anthracene	730		270	430	560	ug/Kg
218-01-9	Chrysene	670		260	430	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	430	560	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	890	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	700		270	430	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	300	J	270	430	560	ug/Kg
50-32-8	Benzo(a)pyrene	570		310	430	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	430	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	430	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	430	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	430	560	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	430	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	430	560	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	560	560	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	63.915		18-112		43	SPK: -150
13127-88-3	Phenol-d6	58.49		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	41.965		18-107		42	SPK: -100
321-60-8	2-Fluorobiphenyl	45.5		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	HD-01-05022024	SDG No.:	BG050324
Lab Sample ID:	P2357-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061114.D	5	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	54.025		10-110		36	SPK: -150
1718-51-0	Terphenyl-d14	42.055		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29304	7.937				
1146-65-2	Naphthalene-d8	112437	10.728				
15067-26-2	Acenaphthene-d10	80354	14.565				
1517-22-2	Phenanthrene-d10	166160	17.309				
1719-03-5	Chrysene-d12	173285	21.568				
1520-96-3	Perylene-d12	156457	24.706				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	590	J			3.155	
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	360	J			11.921	
000629-50-5	Tridecane	700	J			12.15	
073105-67-6	1-Iodo-2-methylundecane	1000	J			13.396	
1000282-04-8	Methoxyacetic acid, 2-tetradecyl e	360	J			14.054	
000629-62-9	Pentadecane	1400	J			14.471	
	unknown14.964	380	J			14.964	
1000309-18-0	Sulfurous acid, butyl tridecyl est	500	J			15.088	
000544-76-3	Hexadecane	1600	J			15.422	
017301-28-9	Undecane, 3,6-dimethyl-	680	J			15.828	
000112-04-9	Silane, trichlorooctadecyl-	1800	J			16.286	
001560-86-7	Nonadecane, 2-methyl-	1300	J			17.079	
000593-45-3	Octadecane	770	J			17.132	
001560-96-9	Tridecane, 2-methyl-	1200	J			17.814	
000112-39-0	Hexadecanoic acid, methyl ester	2800	J			17.984	
000112-95-8	Eicosane	1200	J			18.507	
056554-35-9	9,17-Octadecadienal, (Z)-	16000	J			19.13	
056875-67-3	7-Hexadecenoic acid, methyl ester,	9200	J			19.159	
000112-61-8	Methyl stearate	1500	J			19.288	

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	HD-01-05022024	SDG No.:	BG050324
Lab Sample ID:	P2357-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BG061114.D	5	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000629-92-5	Nonadecane	380	J			20.246	

Hit Summary Sheet SW-846

SDG No.: BG050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-1								
P2331-01	TP-1	Solid	2-Pentanone, 4-hydroxy-4-methyl *	49.200	A			
P2331-01	TP-1	Solid	Butane, 2-methoxy-2-methyl- *	750.000	J			
P2331-01	TP-1	Solid	Cyanic acid, propyl ester *	50.800	J			
P2331-01	TP-1	Solid	Ethanol, 2-[2-(2-methylpropoxy)e *	83.600	J			
P2331-01	TP-1	Solid	Nonadecane, 1-chloro- *	45.200	J			
P2331-01	TP-1	Solid	Tridecanoic acid *	58.800	J			
Total Tics :				1,037.60				
Total Concentration:				1,037.60				
Client ID : TP-2								
P2331-05	TP-2	Solid	1-Phenoxypropan-2-ol *	46.900	J			
P2331-05	TP-2	Solid	Butane, 2-methoxy-2-methyl- *	1,200.000	J			
P2331-05	TP-2	Solid	E-15-Heptadecenal *	81.700	J			
P2331-05	TP-2	Solid	n-Hexadecanoic acid *	230.000	J			
P2331-05	TP-2	Solid	unknown19.480 *	50.100	J			
P2331-05	TP-2	Solid	unknown3.669 *	130.000	J			
Total Tics :				1,738.70				
P2331-05	TP-2	Solid	Fluoranthene	85.200	J	55.8	120	ug/Kg
P2331-05	TP-2	Solid	Pyrene	64.400	J	56.7	120	ug/Kg
Total Svoc :				149.60				
Total Concentration:				1,888.30				
Client ID : TP-3								
P2331-09	TP-3	Solid	(S)-(+)-1,2-Propanediol *	120.000	J			
P2331-09	TP-3	Solid	1-Phenoxypropan-2-ol *	46.200	J			
P2331-09	TP-3	Solid	Butane, 2-methoxy-2-methyl- *	1,200.000	J			
P2331-09	TP-3	Solid	Dodecanoic acid *	69.700	J			
P2331-09	TP-3	Solid	n-Hexadecanoic acid *	240.000	J			
P2331-09	TP-3	Solid	Octadecanoic acid *	290.000	J			
P2331-09	TP-3	Solid	Phthalic acid, monodecyl ester *	86.400	J			
P2331-09	TP-3	Solid	Tetratriacontyl heptafluorobutyrat *	82.200	J			
P2331-09	TP-3	Solid	unknown14.775 *	51.400	J			
Total Tics :				2,185.90				
Total Concentration:				2,185.90				
Client ID : V359								
P2354-01	V359	Solid	1-Pentene, 2-methyl- *	110.000	J			
P2354-01	V359	Solid	2-Pentanone, 4-hydroxy-4-methyl *	550.000	A			
P2354-01	V359	Solid	Benzene, 1-isocyano-2-methyl- *	73.000	J			

Hit Summary Sheet SW-846

SDG No.: BG050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2354-01	V359	Solid	Butane, 2-methoxy-2-methyl-	*	1,400.000	J		
P2354-01	V359	Solid	Ethanol, 2-(2-butoxyethoxy)-	*	91.100	J		
P2354-01	V359	Solid	n-Hexadecanoic acid	*	120.000	J		
			Total Tics :		2,344.10			
P2354-01	V359	Solid	Phenol		220.000	86.8	180	ug/Kg
			Total Svoc :		220.00			
			Total Concentration:		2,564.10			
Client ID : VB16173								
P2355-01	VB16173	Solid	Butane, 2-methoxy-2-methyl-	*	980.000	J		
P2355-01	VB16173	Solid	Dodecanoic acid	*	66.600	J		
P2355-01	VB16173	Solid	Heptadecane	*	340.000	J		
P2355-01	VB16173	Solid	n-Hexadecanoic acid	*	3,200.000	J		
P2355-01	VB16173	Solid	Octadecanoic acid	*	460.000	J		
P2355-01	VB16173	Solid	Tetradecanoic acid	*	270.000	J		
P2355-01	VB16173	Solid	unknown21.243	*	79.600	J		
			Total Tics :		5,396.20			
P2355-01	VB16173	Solid	3+4-Methylphenols		620.000	73.9	310	ug/Kg
P2355-01	VB16173	Solid	Benzo(a)anthracene		77.800	J 74.7	160	ug/Kg
P2355-01	VB16173	Solid	Benzo(b)fluoranthene		110.000	J 75.1	160	ug/Kg
P2355-01	VB16173	Solid	Bis(2-ethylhexyl)phthalate		240.000	84.2	160	ug/Kg
P2355-01	VB16173	Solid	Chrysene		92.300	J 73.6	160	ug/Kg
P2355-01	VB16173	Solid	Fluoranthene		170.000	75.6	160	ug/Kg
P2355-01	VB16173	Solid	Phenanthrene		100.000	J 77.7	160	ug/Kg
P2355-01	VB16173	Solid	Pyrene		150.000	J 76.8	160	ug/Kg
			Total Svoc :		1,560.10			
			Total Concentration:		6,956.30			
Client ID : HD-01-05022024								
P2357-01	HD-01-05022024	Solid	1-Iodo-2-methylundecane	*	1,000.000	J		
P2357-01	HD-01-05022024	Solid	7-Hexadecenoic acid, methyl ester	*	9,200.000	J		
P2357-01	HD-01-05022024	Solid	9,17-Octadecadienal, (Z)-	*	16,000.000	J		
P2357-01	HD-01-05022024	Solid	Butane, 2-methoxy-2-methyl-	*	590.000	J		
P2357-01	HD-01-05022024	Solid	Eicosane	*	1,200.000	J		
P2357-01	HD-01-05022024	Solid	Hexadecane	*	1,600.000	J		
P2357-01	HD-01-05022024	Solid	Hexadecanoic acid, methyl ester	*	2,800.000	J		
P2357-01	HD-01-05022024	Solid	Methoxyacetic acid, 2-tetradecyl e	*	360.000	J		
P2357-01	HD-01-05022024	Solid	Methyl stearate	*	1,500.000	J		
P2357-01	HD-01-05022024	Solid	Naphthalene, 1,2,3,4-tetrahydro-6	*	360.000	J		
P2357-01	HD-01-05022024	Solid	Nonadecane	*	380.000	J		
P2357-01	HD-01-05022024	Solid	Nonadecane, 2-methyl-	*	1,300.000	J		
P2357-01	HD-01-05022024	Solid	Octadecane	*	770.000	J		

Hit Summary Sheet SW-846

SDG No.: BG050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2357-01	HD-01-05022024	Solid	Pentadecane	*	1,400.000	J		
P2357-01	HD-01-05022024	Solid	Silane, trichlorooctadecyl-	*	1,800.000	J		
P2357-01	HD-01-05022024	Solid	Sulfurous acid, butyl tridecyl est	*	500.000	J		
P2357-01	HD-01-05022024	Solid	Tridecane	*	700.000	J		
P2357-01	HD-01-05022024	Solid	Tridecane, 2-methyl-	*	1,200.000	J		
P2357-01	HD-01-05022024	Solid	Undecane, 3,6-dimethyl-	*	680.000	J		
P2357-01	HD-01-05022024	Solid	unknown14.964	*	380.000	J		
Total Tics :					43,720.00			
P2357-01	HD-01-05022024	Solid	Anthracene		440.000	J	280	ug/Kg
P2357-01	HD-01-05022024	Solid	Benzo(a)anthracene		730.000		270	ug/Kg
P2357-01	HD-01-05022024	Solid	Benzo(a)pyrene		570.000		310	ug/Kg
P2357-01	HD-01-05022024	Solid	Benzo(b)fluoranthene		700.000		270	ug/Kg
P2357-01	HD-01-05022024	Solid	Benzo(k)fluoranthene		300.000	J	270	ug/Kg
P2357-01	HD-01-05022024	Solid	Chrysene		670.000		260	ug/Kg
P2357-01	HD-01-05022024	Solid	Fluoranthene		1,700.000		270	ug/Kg
P2357-01	HD-01-05022024	Solid	Phenanthrene		1,400.000		280	ug/Kg
P2357-01	HD-01-05022024	Solid	Pyrene		1,400.000		270	ug/Kg
Total Svoc :					7,910.00			
Total Concentration:					51,630.00			
Client ID : INSIDE								
P2362-01	INSIDE	Solid	1-Docosene	*	200.000	J		
P2362-01	INSIDE	Solid	Butane, 2-methoxy-2-methyl-	*	940.000	J		
P2362-01	INSIDE	Solid	Heptadecane	*	200.000	J		
P2362-01	INSIDE	Solid	Hexacosyl pentafluoropropionate	*	230.000	J		
P2362-01	INSIDE	Solid	n-Hexadecanoic acid	*	180.000	J		
P2362-01	INSIDE	Solid	Pentadecane, 2-methyl-	*	160.000	J		
P2362-01	INSIDE	Solid	unknown3.670	*	100.000	J		
Total Tics :					2,010.00			
Total Concentration:					2,010.00			
Client ID : OUTSIDE-FOOTINGS								
P2362-02	OUTSIDE-FOOTINGS	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	170.000	J		
P2362-02	OUTSIDE-FOOTINGS	Solid	Butane, 2-methoxy-2-methyl-	*	970.000	J		
P2362-02	OUTSIDE-FOOTINGS	Solid	n-Hexadecanoic acid	*	93.400	J		
P2362-02	OUTSIDE-FOOTINGS	Solid	unknown3.675	*	81.800	J		
Total Tics :					1,315.20			
Total Concentration:					1,315.20			



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.: BG050324 SAS No.: BG050324 SDG NO.: BG050324

EPA Sample No.: SSTDICCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 11:02

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	PB160665BL	18945	7.94	68822	10.73	58914	14.56
02	PB160665BS	19640	7.94	81202	10.74	69294	14.57
03	TP-3	24455	7.93	97101	10.73	74335	14.56
04	TP-2	25570	7.94	101860	10.73	80254	14.56
05	TP-1	24771	7.93	100967	10.73	80700	14.56
06	TP-1MS	25525	7.93	105399	10.73	83182	14.57
07	TP-1MSD	24855	7.94	102601	10.73	83034	14.56
08	V359	25973	7.94	104883	10.73	81185	14.56
09	V359MS	27291	7.93	107435	10.73	83786	14.57
10	V359MSD	26939	7.93	109052	10.73	83703	14.56
11	OUTSIDE-FOOTINGS	24895	7.94	100262	10.73	77675	14.56
12	INSIDE	29819	7.94	115910	10.73	86400	14.56
13	VB16173	30630	7.94	118844	10.73	88160	14.56
14	HD-01-05022024	29304	7.94	112437	10.73	80354	14.57

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.: BG050324 SAS No.: BG050324 SDG NO.: BG050324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BG061100.D Time Analyzed: 11:02

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	22028	7.943	92357	10.74	78734	14.57
UPPER LIMIT	44056	8.443	184714	11.24	157468	15.07
LOWER LIMIT	11014	7.443	46178.5	10.24	39367	14.07
EPA SAMPLE NO.						
01 PB160665BL	18945	7.94	68822	10.73	58914	14.56
02 PB160665BS	19640	7.94	81202	10.74	69294	14.57
03 TP-3	24455	7.93	97101	10.73	74335	14.56
04 TP-2	25570	7.94	101860	10.73	80254	14.56
05 TP-1	24771	7.93	100967	10.73	80700	14.56
06 TP-1MS	25525	7.93	105399	10.73	83182	14.57
07 TP-1MSD	24855	7.94	102601	10.73	83034	14.56
08 V359	25973	7.94	104883	10.73	81185	14.56
09 V359MS	27291	7.93	107435	10.73	83786	14.57
10 V359MSD	26939	7.93	109052	10.73	83703	14.56
11 OUTSIDE-FOOTINGS	24895	7.94	100262	10.73	77675	14.56
12 INSIDE	29819	7.94	115910	10.73	86400	14.56
13 VB16173	30630	7.94	118844	10.73	88160	14.56
14 HD-01-05022024	29304	7.94	112437	10.73	80354	14.57

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.: BG050324 SAS No.: BG050324 SDG NO.: BG050324

EPA Sample No.: SSTDICCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 11:02

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	PB160665BL	164608	17.31	196421	21.57	218613	24.69
02	PB160665BS	179031	17.32	180038	21.58	211943	24.70
03	TP-3	165765	17.31	176235	21.57	159801	24.68
04	TP-2	177566	17.31	185017	21.57	169319	24.69
05	TP-1	183440	17.31	187182	21.57	178158	24.69
06	TP-1MS	184634	17.31	189575	21.57	177615	24.70
07	TP-1MSD	190226	17.31	189793	21.57	177341	24.69
08	V359	183391	17.31	184747	21.57	180902	24.69
09	V359MS	191325	17.31	188689	21.58	171683	24.70
10	V359MSD	191666	17.31	189302	21.57	165890	24.70
11	OUTSIDE-FOOTINGS	176366	17.31	175076	21.57	157997	24.69
12	INSIDE	192506	17.31	192798	21.57	179784	24.69
13	VB16173	188950	17.31	190329	21.57	180407	24.70
14	HD-01-05022024	166160	17.31	173285	21.57	156457	24.71

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG050324 SAS No.: BG050324 SDG NO.: BG050324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BG061100.D Time Analyzed: 11:02

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	197250	17.314	190070	21.574	223378	24.7
	UPPER LIMIT	394500	17.814	380140	22.074	446756	25.2
	LOWER LIMIT	98625	16.814	95035	21.074	111689	24.2
	EPA SAMPLE NO.						
01	PB160665BL	164608	17.31	196421	21.57	218613	24.69
02	PB160665BS	179031	17.32	180038	21.58	211943	24.70
03	TP-3	165765	17.31	176235	21.57	159801	24.68
04	TP-2	177566	17.31	185017	21.57	169319	24.69
05	TP-1	183440	17.31	187182	21.57	178158	24.69
06	TP-1MS	184634	17.31	189575	21.57	177615	24.70
07	TP-1MSD	190226	17.31	189793	21.57	177341	24.69
08	V359	183391	17.31	184747	21.57	180902	24.69
09	V359MS	191325	17.31	188689	21.58	171683	24.70
10	V359MSD	191666	17.31	189302	21.57	165890	24.70
11	OUTSIDE-FOOTINGS	176366	17.31	175076	21.57	157997	24.69
12	INSIDE	192506	17.31	192798	21.57	179784	24.69
13	VB16173	188950	17.31	190329	21.57	180407	24.70
14	HD-01-05022024	166160	17.31	173285	21.57	156457	24.71

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160665BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	980	ug/Kg	58				28	98	
	Benzaldehyde	1700		ug/Kg	0		*		10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	970	ug/Kg	57				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	4900	ug/Kg	148		*		45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25000	ug/Kg	92				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG050324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160665BS	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3000	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1400	ug/Kg	42				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160665BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050324

SAS No.: BG050324 SDG NO.: BG050324

Lab File ID: BG061101.D

Lab Sample ID: PB160665BL

Instrument ID: BNA_G

Date Extracted: 05/02/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/03/2024

Level: (low/med) LOW

Time Analyzed: 11:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160665BS	PB160665BS	BG061102.D	05/03/2024
TP-3	P2331-09	BG061103.D	05/03/2024
TP-2	P2331-05	BG061104.D	05/03/2024
TP-1	P2331-01	BG061105.D	05/03/2024
TP-1MS	P2331-01MS	BG061106.D	05/03/2024
TP-1MSD	P2331-01MSD	BG061107.D	05/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

V359

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050324

SAS No.: BG050324 SDG NO.: BG050324

Lab File ID: BG061108.D

Lab Sample ID: P2354-01

Instrument ID: BNA_G

Date Extracted: 05/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/03/2024

Level: (low/med) LOW

Time Analyzed: 16:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
V359	P2354-01	BG061108.D	05/03/2024
V359MS	P2354-01MS	BG061109.D	05/03/2024
V359MSD	P2354-01MSD	BG061110.D	05/03/2024
OUTSIDE-FOOTINGS	P2362-02	BG061111.D	05/03/2024
INSIDE	P2362-01	BG061112.D	05/03/2024
VB16173	P2355-01	BG061113.D	05/03/2024
HD-01-05022024	P2357-01	BG061114.D	05/03/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2331-01MS	Client Sample ID:	TP-1MS					DataFile:	BG061106.D		
n-Nitrosodimethylamine	1100		720	ug/Kg	65	*			66	124	
Pyridine	1100		600	ug/Kg	55				45	119	
Benzaldehyde	1100		660	ug/Kg	60				26	163	
Aniline	1100		520	ug/Kg	47				10	88	
Phenol	1100		980	ug/Kg	89				67	126	
bis(2-Chloroethyl)ether	1100		930	ug/Kg	85				74	116	
2-Chlorophenol	1100		970	ug/Kg	88				61	138	
1,2-Dichlorobenzene	1100		950	ug/Kg	86				61	105	
1,3-Dichlorobenzene	1100		950	ug/Kg	86				62	101	
1,4-Dichlorobenzene	1100		930	ug/Kg	85				63	104	
Benzyl Alcohol	1100		910	ug/Kg	83				47	126	
2-Methylphenol	1100		960	ug/Kg	87				66	122	
2,2-oxybis(1-Chloropropane)	1100		930	ug/Kg	85				52	115	
Acetophenone	1100		960	ug/Kg	87				75	111	
3+4-Methylphenols	1100		930	ug/Kg	85				53	132	
N-Nitroso-di-n-propylamine	1100		820	ug/Kg	75				59	119	
Hexachloroethane	1100		940	ug/Kg	85				65	117	
Nitrobenzene	1100		920	ug/Kg	84				70	119	
Isophorone	1100		840	ug/Kg	76				76	122	
2-Nitrophenol	1100		920	ug/Kg	84				54	145	
2,4-Dimethylphenol	1100		1000	ug/Kg	91				83	144	
bis(2-Chloroethoxy)methane	1100		910	ug/Kg	83				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		990	ug/Kg	90				57	103	
Benzoic acid	1100		760	ug/Kg	69				50	104	
Naphthalene	1100		960	ug/Kg	87				72	110	
4-Chloroaniline	1100		470	ug/Kg	43				10	100	
Hexachlorobutadiene	1100		950	ug/Kg	86				66	114	
Caprolactam	1100		760	ug/Kg	69				51	134	
4-Chloro-3-methylphenol	1100		890	ug/Kg	81				57	132	
2-Methylnaphthalene	1100		920	ug/Kg	84				59	123	
Hexachlorocyclopentadiene	2200		950	ug/Kg	43				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		990	ug/Kg	90				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		980	ug/Kg	89				69	127	
Dimethylphthalate	1100		910	ug/Kg	83				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		890	ug/Kg	81				70	125	
3-Nitroaniline	1100		700	ug/Kg	64				20	111	
Acenaphthene	1100		940	ug/Kg	85				70	121	
Total PAH	17600		15290	ug/Kg	87				70	121	
2,4-Dinitrophenol	2200		500	ug/Kg	23				16	160	
4-Nitrophenol	2200		1700	ug/Kg	77				45	133	
Dibenzofuran	1100		970	ug/Kg	88				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		830	ug/Kg	75				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1720	ug/Kg	78				55	128	
Diethylphthalate	1100		860	ug/Kg	78				70	112	
4-Chlorophenyl-phenylether	1100		930	ug/Kg	85				71	108	
Fluorene	1100		930	ug/Kg	85				68	116	
4-Nitroaniline	1100		880	ug/Kg	80				55	120	
4,6-Dinitro-2-methylphenol	1100		340	ug/Kg	31	*			32	145	
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100				73	118	
Azobenzene	1100		920	ug/Kg	84				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2200		1900	ug/Kg	86				47	128	
Phenanthrene	1100		1000	ug/Kg	91				72	113	
Anthracene	1100		1100	ug/Kg	100				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		980	ug/Kg	89				69	118	
Fluoranthene	1100		990	ug/Kg	90				59	125	
Benzydine	2200		1400	ug/Kg	64				10	119	
Pyrene	1100		960	ug/Kg	87				52	128	
Butylbenzylphthalate	1100		1000	ug/Kg	91				64	126	
3,3-Dichlorobenzidine	1100		770	ug/Kg	70				10	164	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		1000	ug/Kg	91				57	121	
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91				66	127	
Di-n-octyl phthalate	1100		1000	ug/Kg	91				71	126	
Benzo(b)fluoranthene	1100		990	ug/Kg	90				67	121	
Benzo(k)fluoranthene	1100		1300	ug/Kg	118	*			74	114	
Benzo(a)pyrene	1100		1000	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	1100		700	ug/Kg	64				61	125	
Dibenz(a,h)anthracene	1100		750	ug/Kg	68				67	130	
Benzo(g,h,i)perylene	1100		570	ug/Kg	52	*			53	140	
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100				69	124	
1,4-Dioxane	1100		600	ug/Kg	55				46	112	
2,3,4,6-Tetrachlorophenol	1100		930	ug/Kg	85				56	133	
1-Methylnaphthalene	1100		870	ug/Kg	79				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2331-01MSD	Client Sample ID:	TP-1MSD					DataFile:	BG061107.D		
n-Nitrosodimethylamine	1100		720	ug/Kg	65	*	0		66	124	20
Pyridine	1100		610	ug/Kg	55		0		45	119	20
Benzaldehyde	1100		710	ug/Kg	65		8		26	163	20
Aniline	1100		530	ug/Kg	48		2		10	88	20
Phenol	1100		960	ug/Kg	87		2		67	126	20
bis(2-Chloroethyl)ether	1100		940	ug/Kg	85		0		74	116	20
2-Chlorophenol	1100		990	ug/Kg	90		2		61	138	20
1,2-Dichlorobenzene	1100		950	ug/Kg	86		0		61	105	20
1,3-Dichlorobenzene	1100		930	ug/Kg	85		1		62	101	20
1,4-Dichlorobenzene	1100		920	ug/Kg	84		1		63	104	20
Benzyl Alcohol	1100		940	ug/Kg	85		2		47	126	20
2-Methylphenol	1100		980	ug/Kg	89		2		66	122	20
2,2-oxybis(1-Chloropropane)	1100		950	ug/Kg	86		1		52	115	20
Acetophenone	1100		970	ug/Kg	88		1		75	111	20
3+4-Methylphenols	1100		960	ug/Kg	87		2		53	132	20
N-Nitroso-di-n-propylamine	1100		840	ug/Kg	76		1		59	119	20
Hexachloroethane	1100		920	ug/Kg	84		1		65	117	20
Nitrobenzene	1100		920	ug/Kg	84		0		70	119	20
Isophorone	1100		840	ug/Kg	76		0		76	122	20
2-Nitrophenol	1100		940	ug/Kg	85		1		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		9		83	144	20
bis(2-Chloroethoxy)methane	1100		900	ug/Kg	82		1		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		0		72	118	20
1,2,4-Trichlorobenzene	1100		980	ug/Kg	89		1		57	103	20
Benzoic acid	1100		780	ug/Kg	71		3		50	104	20
Naphthalene	1100		960	ug/Kg	87		0		72	110	20
4-Chloroaniline	1100		470	ug/Kg	43		0		10	100	20
Hexachlorobutadiene	1100		970	ug/Kg	88		2		66	114	20
Caprolactam	1100		800	ug/Kg	73		6		51	134	20
4-Chloro-3-methylphenol	1100		910	ug/Kg	83		2		57	132	20
2-Methylnaphthalene	1100		930	ug/Kg	85		1		59	123	20
Hexachlorocyclopentadiene	2200		990	ug/Kg	45		5		10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		9		72	117	20
2,4,5-Trichlorophenol	1100		980	ug/Kg	89		1		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		0		75	113	20
2-Chloronaphthalene	1100		980	ug/Kg	89		2		67	118	20
2-Nitroaniline	1100		980	ug/Kg	89		0		69	127	20
Dimethylphthalate	1100		890	ug/Kg	81		2		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1100		880	ug/Kg	80		1		70	125	20
3-Nitroaniline	1100		700	ug/Kg	64		0		20	111	20
Acenaphthene	1100		940	ug/Kg	85		0		70	121	20
Total PAH	17600		15160	ug/Kg	86		1		70	121	20
2,4-Dinitrophenol	2200		540	ug/Kg	25		8		16	160	20
4-Nitrophenol	2200		1700	ug/Kg	77		0		45	133	20
Dibenzofuran	1100		970	ug/Kg	88		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		850	ug/Kg	77		3		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1730	ug/Kg	79		1		55	128	20
Diethylphthalate	1100		850	ug/Kg	77		1		70	112	20
4-Chlorophenyl-phenylether	1100		940	ug/Kg	85		0		71	108	20
Fluorene	1100		910	ug/Kg	83		2		68	116	20
4-Nitroaniline	1100		870	ug/Kg	79		1		55	120	20
4,6-Dinitro-2-methylphenol	1100		350	ug/Kg	32		3		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		9		73	118	20
Azobenzene	1100		930	ug/Kg	85		1		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		9		67	118	20
Atrazine	1100		1100	ug/Kg	100		0		79	127	20
Pentachlorophenol	2200		1800	ug/Kg	82		5		47	128	20
Phenanthrene	1100		1000	ug/Kg	91		0		72	113	20
Anthracene	1100		1000	ug/Kg	91		9		62	124	20
Carbazole	1100		980	ug/Kg	89		2		59	119	20
Di-n-butylphthalate	1100		950	ug/Kg	86		3		69	118	20
Fluoranthene	1100		950	ug/Kg	86		5		59	125	20
Benzydine	2200		1500	ug/Kg	68		6		10	119	20
Pyrene	1100		960	ug/Kg	87		0		52	128	20
Butylbenzylphthalate	1100		1000	ug/Kg	91		0		64	126	20
3,3-Dichlorobenzidine	1100		780	ug/Kg	71		1		10	164	20
Benzo(a)anthracene	1100		980	ug/Kg	89		2		71	114	20
Chrysene	1100		1000	ug/Kg	91		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100		9		66	127	20
Di-n-octyl phthalate	1100		1000	ug/Kg	91		0		71	126	20
Benzo(b)fluoranthene	1100		970	ug/Kg	88		2		67	121	20
Benzo(k)fluoranthene	1100		1300	ug/Kg	118	*	0		74	114	20
Benzo(a)pyrene	1100		1000	ug/Kg	91		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		760	ug/Kg	69		8		61	125	20
Dibenz(a,h)anthracene	1100		690	ug/Kg	63	*	8		67	130	20
Benzo(g,h,i)perylene	1100		640	ug/Kg	58		11		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		0		69	124	20
1,4-Dioxane	1100		610	ug/Kg	55		0		46	112	20
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86		1		56	133	20
1-Methylnaphthalene	1100		870	ug/Kg	79		0		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2354-01MS		Client Sample ID: V359MS		DataFile: BG061109.D							
n-Nitrosodimethylamine	1700	220	1200	ug/Kg	71				66	124	
Pyridine	1700		1000	ug/Kg	59				45	119	
Benzaldehyde	1700		980	ug/Kg	58				26	163	
Aniline	1700		880	ug/Kg	52				10	88	
Phenol	1700		1800	ug/Kg	93				67	126	
bis(2-Chloroethyl)ether	1700		1500	ug/Kg	88				74	116	
2-Chlorophenol	1700		1600	ug/Kg	94				61	138	
1,2-Dichlorobenzene	1700		1500	ug/Kg	88				61	105	
1,3-Dichlorobenzene	1700		1500	ug/Kg	88				62	101	
1,4-Dichlorobenzene	1700		1500	ug/Kg	88				63	104	
Benzyl Alcohol	1700		1500	ug/Kg	88				47	126	
2-Methylphenol	1700		1500	ug/Kg	88				66	122	
2,2-oxybis(1-Chloropropane)	1700		1500	ug/Kg	88				52	115	
Acetophenone	1700		1600	ug/Kg	94				75	111	
3+4-Methylphenols	1700		1500	ug/Kg	88				53	132	
N-Nitroso-di-n-propylamine	1700		1300	ug/Kg	76				59	119	
Hexachloroethane	1700		1400	ug/Kg	82				65	117	
Nitrobenzene	1700		1500	ug/Kg	88				70	119	
Isophorone	1700		1400	ug/Kg	82				76	122	
2-Nitrophenol	1700		1600	ug/Kg	94				54	145	
2,4-Dimethylphenol	1700		1800	ug/Kg	106				83	144	
bis(2-Chloroethoxy)methane	1700		1500	ug/Kg	88				68	112	
2,4-Dichlorophenol	1700		1700	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1700		1600	ug/Kg	94				57	103	
Benzoic acid	1700		1200	ug/Kg	71				50	104	
Naphthalene	1700		1600	ug/Kg	94				72	110	
4-Chloroaniline	1700		820	ug/Kg	48				10	100	
Hexachlorobutadiene	1700		1600	ug/Kg	94				66	114	
Caprolactam	1700		1300	ug/Kg	76				51	134	
4-Chloro-3-methylphenol	1700		1500	ug/Kg	88				57	132	
2-Methylnaphthalene	1700		1600	ug/Kg	94				59	123	
Hexachlorocyclopentadiene	3500		1400	ug/Kg	40				10	175	
2,4,6-Trichlorophenol	1700		1800	ug/Kg	106				72	117	
2,4,5-Trichlorophenol	1700		1700	ug/Kg	100				72	117	
1,1-Biphenyl	1700		1700	ug/Kg	100				75	113	
2-Chloronaphthalene	1700		1700	ug/Kg	100				67	118	
2-Nitroaniline	1700		1600	ug/Kg	94				69	127	
Dimethylphthalate	1700		1500	ug/Kg	88				70	113	
Acenaphthylene	1700		1800	ug/Kg	106				79	118	
2,6-Dinitrotoluene	1700		1400	ug/Kg	82				70	125	
3-Nitroaniline	1700		1200	ug/Kg	71				20	111	
Acenaphthene	1700		1600	ug/Kg	94				70	121	
Total PAH	27200		25250	ug/Kg	93				70	121	
2,4-Dinitrophenol	3500		860	ug/Kg	25				16	160	
4-Nitrophenol	3500		2900	ug/Kg	83				45	133	
Dibenzofuran	1700		1600	ug/Kg	94				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3400		2800	ug/Kg	82				55	128	
2,4-Dinitrotoluene	1700		1400	ug/Kg	82				55	128	
Diethylphthalate	1700		1400	ug/Kg	82				70	112	
4-Chlorophenyl-phenylether	1700		1600	ug/Kg	94				71	108	
Fluorene	1700		1500	ug/Kg	88				68	116	
4-Nitroaniline	1700		1400	ug/Kg	82				55	120	
4,6-Dinitro-2-methylphenol	1700		590	ug/Kg	35				32	145	
N-Nitrosodiphenylamine	1700		1700	ug/Kg	100				73	118	
Azobenzene	1700		1600	ug/Kg	94				73	110	
4-Bromophenyl-phenylether	1700		1800	ug/Kg	106				65	121	
Hexachlorobenzene	1700		1700	ug/Kg	100				67	118	
Atrazine	1700		1900	ug/Kg	112				79	127	
Pentachlorophenol	3500		3100	ug/Kg	89				47	128	
Phenanthrene	1700		1700	ug/Kg	100				72	113	
Anthracene	1700		1800	ug/Kg	106				62	124	
Carbazole	1700		1700	ug/Kg	100				59	119	
Di-n-butylphthalate	1700		1600	ug/Kg	94				69	118	
Fluoranthene	1700		1600	ug/Kg	94				59	125	
Benztidine	3500		2500	ug/Kg	71				10	119	
Pyrene	1700		1600	ug/Kg	94				52	128	
Butylbenzylphthalate	1700		1700	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1700		1400	ug/Kg	82				10	164	
Benzo(a)anthracene	1700		1700	ug/Kg	100				71	114	
Chrysene	1700		1700	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1700		1800	ug/Kg	106				66	127	
Di-n-octyl phthalate	1700		1700	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1700		1700	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1700		2000	ug/Kg	118	*			74	114	
Benzo(a)pyrene	1700		1800	ug/Kg	106				70	142	
Indeno(1,2,3-cd)pyrene	1700		1100	ug/Kg	65				61	125	
Dibenz(a,h)anthracene	1700		1200	ug/Kg	71				67	130	
Benzo(g,h,i)perylene	1700		850	ug/Kg	50	*			53	140	
1,2,4,5-Tetrachlorobenzene	1700		1900	ug/Kg	112				69	124	
1,4-Dioxane	1700		960	ug/Kg	56				46	112	
2,3,4,6-Tetrachlorophenol	1700		1600	ug/Kg	94				56	133	
1-Methylnaphthalene	1700		1400	ug/Kg	82				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2354-01MSD	Client Sample ID:	V359MSD					DataFile:	BG061110.D		
n-Nitrosodimethylamine	1700		1100	ug/Kg	65	*	9		66	124	20
Pyridine	1700		920	ug/Kg	54		9		45	119	20
Benzaldehyde	1700		980	ug/Kg	58		0		26	163	20
Aniline	1700		890	ug/Kg	52		0		10	88	20
Phenol	1700		1700	ug/Kg	100		7		67	126	20
bis(2-Chloroethyl)ether	1700		1400	ug/Kg	82		7		74	116	20
2-Chlorophenol	1700		1500	ug/Kg	88		7		61	138	20
1,2-Dichlorobenzene	1700		1400	ug/Kg	82		7		61	105	20
1,3-Dichlorobenzene	1700		1400	ug/Kg	82		7		62	101	20
1,4-Dichlorobenzene	1700		1400	ug/Kg	82		7		63	104	20
Benzyl Alcohol	1700		1400	ug/Kg	82		7		47	126	20
2-Methylphenol	1700		1400	ug/Kg	82		7		66	122	20
2,2-oxybis(1-Chloropropane)	1700		1400	ug/Kg	82		7		52	115	20
Acetophenone	1700		1500	ug/Kg	88		7		75	111	20
3+4-Methylphenols	1700		1400	ug/Kg	82		7		53	132	20
N-Nitroso-di-n-propylamine	1700		1300	ug/Kg	76		0		59	119	20
Hexachloroethane	1700		1300	ug/Kg	76		8		65	117	20
Nitrobenzene	1700		1400	ug/Kg	82		7		70	119	20
Isophorone	1700		1300	ug/Kg	76		8		76	122	20
2-Nitrophenol	1700		1400	ug/Kg	82		14		54	145	20
2,4-Dimethylphenol	1700		1600	ug/Kg	94		12		83	144	20
bis(2-Chloroethoxy)methane	1700		1400	ug/Kg	82		7		68	112	20
2,4-Dichlorophenol	1700		1500	ug/Kg	88		13		72	118	20
1,2,4-Trichlorobenzene	1700		1500	ug/Kg	88		7		57	103	20
Benzoic acid	1700		1200	ug/Kg	71		0		50	104	20
Naphthalene	1700		1500	ug/Kg	88		7		72	110	20
4-Chloroaniline	1700		810	ug/Kg	48		0		10	100	20
Hexachlorobutadiene	1700		1500	ug/Kg	88		7		66	114	20
Caprolactam	1700		1200	ug/Kg	71		7		51	134	20
4-Chloro-3-methylphenol	1700		1400	ug/Kg	82		7		57	132	20
2-Methylnaphthalene	1700		1400	ug/Kg	82		14		59	123	20
Hexachlorocyclopentadiene	3500		1300	ug/Kg	37		8		10	175	20
2,4,6-Trichlorophenol	1700		1700	ug/Kg	100		6		72	117	20
2,4,5-Trichlorophenol	1700		1600	ug/Kg	94		6		72	117	20
1,1-Biphenyl	1700		1600	ug/Kg	94		6		75	113	20
2-Chloronaphthalene	1700		1600	ug/Kg	94		6		67	118	20
2-Nitroaniline	1700		1500	ug/Kg	88		7		69	127	20
Dimethylphthalate	1700		1400	ug/Kg	82		7		70	113	20
Acenaphthylene	1700		1700	ug/Kg	100		6		79	118	20
2,6-Dinitrotoluene	1700		1300	ug/Kg	76		8		70	125	20
3-Nitroaniline	1700		1100	ug/Kg	65		9		20	111	20
Acenaphthene	1700		1500	ug/Kg	88		7		70	121	20
Total PAH	27200		24270	ug/Kg	89		4		70	121	20
2,4-Dinitrophenol	3500		770	ug/Kg	22		13		16	160	20
4-Nitrophenol	3500		2700	ug/Kg	77		8		45	133	20
Dibenzofuran	1700		1500	ug/Kg	88		7		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3400		2600	ug/Kg	76		8		55	128	20
2,4-Dinitrotoluene	1700		1300	ug/Kg	76		8		55	128	20
Diethylphthalate	1700		1300	ug/Kg	76		8		70	112	20
4-Chlorophenyl-phenylether	1700		1400	ug/Kg	82		14		71	108	20
Fluorene	1700		1500	ug/Kg	88		0		68	116	20
4-Nitroaniline	1700		1400	ug/Kg	82		0		55	120	20
4,6-Dinitro-2-methylphenol	1700		520	ug/Kg	31	*	12		32	145	20
N-Nitrosodiphenylamine	1700		1600	ug/Kg	94		6		73	118	20
Azobenzene	1700		1500	ug/Kg	88		7		73	110	20
4-Bromophenyl-phenylether	1700		1600	ug/Kg	94		12		65	121	20
Hexachlorobenzene	1700		1600	ug/Kg	94		6		67	118	20
Atrazine	1700		1700	ug/Kg	100		11		79	127	20
Pentachlorophenol	3500		2800	ug/Kg	80		11		47	128	20
Phenanthrene	1700		1600	ug/Kg	94		6		72	113	20
Anthracene	1700		1600	ug/Kg	94		12		62	124	20
Carbazole	1700		1500	ug/Kg	88		13		59	119	20
Di-n-butylphthalate	1700		1500	ug/Kg	88		7		69	118	20
Fluoranthene	1700		1500	ug/Kg	88		7		59	125	20
Benzydine	3500		2500	ug/Kg	71		0		10	119	20
Pyrene	1700		1500	ug/Kg	88		7		52	128	20
Butylbenzylphthalate	1700		1500	ug/Kg	88		13		64	126	20
3,3-Dichlorobenzidine	1700		1300	ug/Kg	76		8		10	164	20
Benzo(a)anthracene	1700		1600	ug/Kg	94		6		71	114	20
Chrysene	1700		1600	ug/Kg	94		6		57	121	20
bis(2-Ethylhexyl)phthalate	1700		1600	ug/Kg	94		12		66	127	20
Di-n-octyl phthalate	1700		1600	ug/Kg	94		6		71	126	20
Benzo(b)fluoranthene	1700		1600	ug/Kg	94		6		67	121	20
Benzo(k)fluoranthene	1700		2100	ug/Kg	124	*	5		74	114	20
Benzo(a)pyrene	1700		1800	ug/Kg	106		0		70	142	20
Indeno(1,2,3-cd)pyrene	1700		1100	ug/Kg	65		0		61	125	20
Dibenz(a,h)anthracene	1700		1200	ug/Kg	71		0		67	130	20
Benzo(g,h,i)perylene	1700		870	ug/Kg	51	*	2		53	140	20
1,2,4,5-Tetrachlorobenzene	1700		1800	ug/Kg	106		6		69	124	20
1,4-Dioxane	1700		940	ug/Kg	55		2		46	112	20
2,3,4,6-Tetrachlorophenol	1700		1500	ug/Kg	88		7		56	133	20
1-Methylnaphthalene	1700		1300	ug/Kg	76		8		70	130	20

Surrogate Summary

SW-846

SDG No.: **BG050324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2331-01	TP-1	BG061105.D	2-Fluorophenol	150	89.14	59		18	112
			Phenol-d6	150	85.63	57		15	107
			Nitrobenzene-d5	100	54.16	54		18	107
			2-Fluorobiphenyl	100	56.46	56		20	109
			2,4,6-Tribromophenol	150	79.36	53		10	110
			Terphenyl-d14	100	54.00	54		14	112
P2331-01MS	TP-1MS	BG061106.D	2-Fluorophenol	150	87.40	58		18	112
			Phenol-d6	150	84.54	56		15	107
			Nitrobenzene-d5	100	53.32	53		18	107
			2-Fluorobiphenyl	100	56.31	56		20	109
			2,4,6-Tribromophenol	150	76.41	51		10	110
			Terphenyl-d14	100	52.06	52		14	112
P2331-01MSD	TP-1MSD	BG061107.D	2-Fluorophenol	150	86.42	58		18	112
			Phenol-d6	150	84.66	56		15	107
			Nitrobenzene-d5	100	52.99	53		18	107
			2-Fluorobiphenyl	100	55.22	55		20	109
			2,4,6-Tribromophenol	150	77.04	51		10	110
			Terphenyl-d14	100	52.24	52		14	112
P2331-05	TP-2	BG061104.D	2-Fluorophenol	150	144.94	97		18	112
			Phenol-d6	150	136.41	91		15	107
			Nitrobenzene-d5	100	89.23	89		18	107
			2-Fluorobiphenyl	100	93.09	93		20	109
			2,4,6-Tribromophenol	150	131.32	88		10	110
			Terphenyl-d14	100	83.39	83		14	112
P2331-09	TP-3	BG061103.D	2-Fluorophenol	150	145.31	97		18	112
			Phenol-d6	150	135.09	90		15	107
			Nitrobenzene-d5	100	84.76	85		18	107
			2-Fluorobiphenyl	100	90.41	90		20	109
			2,4,6-Tribromophenol	150	137.06	91		10	110
			Terphenyl-d14	100	81.30	81		14	112
PB160665BL	PB160665BL	BG061101.D	2-Fluorophenol	150	146.41	98		18	112
			Phenol-d6	150	128.64	86		15	107
			Nitrobenzene-d5	100	90.49	90		18	107
			2-Fluorobiphenyl	100	89.45	89		20	109
			2,4,6-Tribromophenol	150	140.24	93		10	110
			Terphenyl-d14	100	90.02	90		14	112
PB160665BS	PB160665BS	BG061102.D	2-Fluorophenol	150	147.54	98		18	112
			Phenol-d6	150	140.62	94		15	107
			Nitrobenzene-d5	100	84.87	85		18	107
			2-Fluorobiphenyl	100	89.18	89		20	109
			2,4,6-Tribromophenol	150	134.57	90		10	110
			Terphenyl-d14	100	87.50	87		14	112

Surrogate Summary

SW-846

SDG No.: **BG050324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2354-01	V359	BG061108.D	2-Fluorophenol	150	62.91	42		18	112
			Phenol-d6	150	73.28	49		15	107
			Nitrobenzene-d5	100	46.24	46		18	107
			2-Fluorobiphenyl	100	30.12	30		20	109
			2,4,6-Tribromophenol	150	44.56	30		10	110
			Terphenyl-d14	100	23.19	23		14	112
P2354-01MS	V359MS	BG061109.D	2-Fluorophenol	150	62.00	41		18	112
			Phenol-d6	150	71.62	48		15	107
			Nitrobenzene-d5	100	47.19	47		18	107
			2-Fluorobiphenyl	100	30.43	30		20	109
			2,4,6-Tribromophenol	150	45.54	30		10	110
			Terphenyl-d14	100	23.02	23		14	112
P2354-01MSD	V359MSD	BG061110.D	2-Fluorophenol	150	57.68	38		18	112
			Phenol-d6	150	68.75	46		15	107
			Nitrobenzene-d5	100	44.61	45		18	107
			2-Fluorobiphenyl	100	28.59	29		20	109
			2,4,6-Tribromophenol	150	41.97	28		10	110
			Terphenyl-d14	100	21.31	21		14	112
P2355-01	VB16173	BG061113.D	2-Fluorophenol	150	100.68	67		18	112
			Phenol-d6	150	95.02	63		15	107
			Nitrobenzene-d5	100	62.89	63		18	107
			2-Fluorobiphenyl	100	62.26	62		20	109
			2,4,6-Tribromophenol	150	95.35	64		10	110
			Terphenyl-d14	100	51.48	51		14	112
P2357-01	HD-01-05022024	BG061114.D	2-Fluorophenol	150	63.92	43		18	112
			Phenol-d6	150	58.49	39		15	107
			Nitrobenzene-d5	100	41.97	42		18	107
			2-Fluorobiphenyl	100	45.50	46		20	109
			2,4,6-Tribromophenol	150	54.03	36		10	110
			Terphenyl-d14	100	42.06	42		14	112
P2362-01	INSIDE	BG061112.D	2-Fluorophenol	150	87.37	58		18	112
			Phenol-d6	150	84.21	56		15	107
			Nitrobenzene-d5	100	57.12	57		18	107
			2-Fluorobiphenyl	100	64.71	65		20	109
			2,4,6-Tribromophenol	150	83.89	56		10	110
			Terphenyl-d14	100	59.85	60		14	112
P2362-02	OUTSIDE-FOOTIN	BG061111.D	2-Fluorophenol	150	95.61	64		18	112
			Phenol-d6	150	91.23	61		15	107
			Nitrobenzene-d5	100	57.46	57		18	107
			2-Fluorobiphenyl	100	63.45	63		20	109
			2,4,6-Tribromophenol	150	81.94	55		10	110
			Terphenyl-d14	100	58.48	58		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG050324

Lab Code: CHEM

SAS No.: BG050324

SDG NO.: BG050324

Lab File ID: BG061099.D

DFTPP Injection Date: 05/03/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	24.8
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	30.3
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	5.1
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG061100.D	05/03/2024	10:20
PB160665BL	PB160665BL	BG061101.D	05/03/2024	11:02
PB160665BS	PB160665BS	BG061102.D	05/03/2024	11:43
TP-3	P2331-09	BG061103.D	05/03/2024	12:44
TP-2	P2331-05	BG061104.D	05/03/2024	13:25
TP-1	P2331-01	BG061105.D	05/03/2024	14:06
TP-1MS	P2331-01MS	BG061106.D	05/03/2024	14:47
TP-1MSD	P2331-01MSD	BG061107.D	05/03/2024	15:28
V359	P2354-01	BG061108.D	05/03/2024	16:09
V359MS	P2354-01MS	BG061109.D	05/03/2024	16:50
V359MSD	P2354-01MSD	BG061110.D	05/03/2024	17:32
OUTSIDE-FOOTINGS	P2362-02	BG061111.D	05/03/2024	18:13
INSIDE	P2362-01	BG061112.D	05/03/2024	18:54
VB16173	P2355-01	BG061113.D	05/03/2024	19:35
HD-01-05022024	P2357-01	BG061114.D	05/03/2024	20:17