

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG042524 SAS No.: BG042524 SDG No.: BG042524

Instrument ID: BNA_G Calibration Date/Time: 4/25/2024 1:10:27

Lab File ID: BG061032.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.951	1.010		6.204	
Pyridine	1.058	1.098		3.781	
2-Fluorophenol	0.989	1.005		1.618	
Benzaldehyde	0.755	0.775		2.649	
Aniline	1.763	1.734		-1.645	
Phenol-d6	1.467	1.531		4.363	
Phenol	1.458	1.423		-2.401	20.0
bis(2-Chloroethyl) ether	1.043	1.031		-1.151	
2-Chlorophenol	1.232	1.177		-4.464	
1,2-Dichlorobenzene	1.375	1.306		-5.018	
1,3-Dichlorobenzene	1.366	1.361		-0.366	
1,4-Dichlorobenzene	1.407	1.367		-2.843	20.0
Benzyl Alcohol	1.385	1.375		-0.722	
2-Methylphenol	1.177	1.159		-1.529	
2,2-oxybis(1-Chloropropane)	2.270	2.117		-6.74	
Acetophenone	0.558	0.497		-10.932	
3+4-Methylphenols	1.646	1.634		-0.729	
n-Nitroso-di-n-propylamine	1.093	1.055	0.050	-3.477	
Nitrobenzene-d5	0.445	0.399		-10.337	
Hexachloroethane	0.507	0.492		-2.959	
Nitrobenzene	0.428	0.383		-10.514	
Isophorone	0.745	0.708		-4.966	
2-Nitrophenol	0.201	0.189		-5.97	20.0
2,4-Dimethylphenol	0.322	0.301		-6.522	
bis(2-Chloroethoxy) methane	0.392	0.370		-5.612	
2,4-Dichlorophenol	0.372	0.357		-4.032	20.0
1,2,4-Trichlorobenzene	0.410	0.403		-1.707	
Benzoic acid	0.246	0.240		-2.439	
Naphthalene	1.095	1.019		-6.941	
4-Chloroaniline	0.497	0.467		-6.036	
Hexachlorobutadiene	0.361	0.348		-3.601	20.0
Caprolactam	0.118	0.113		-4.237	
4-Chloro-3-methylphenol	0.434	0.410		-5.53	20.0
2-Methylnaphthalene	0.861	0.794		-7.782	
Hexachlorocyclopentadiene	0.418	0.398	0.050	-4.785	
2,4,6-Trichlorophenol	0.467	0.455		-2.57	20.0
2-Fluorobiphenyl	1.445	1.425		-1.384	
2,4,5-Trichlorophenol	0.553	0.549		-0.723	
1,1-Biphenyl	1.347	1.312		-2.598	

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Lab File ID: BG061032.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	1.033	1.000		-3.195	
2-Nitroaniline	0.417	0.384		-7.914	
Dimethylphthalate	1.649	1.570		-4.791	
Acenaphthylene	1.740	1.670		-4.023	
2,6-Dinitrotoluene	0.344	0.329		-4.36	
3-Nitroaniline	0.339	0.311		-8.26	
Acenaphthene	1.057	1.005		-4.92	20.0
2,4-Dinitrophenol	0.191	0.188	0.050	-1.571	
4-Nitrophenol	0.243	0.226	0.050	-6.996	
Dibenzofuran	1.825	1.724		-5.534	
2,4-Dinitrotoluene	0.496	0.474		-4.435	
Diethylphthalate	1.624	1.514		-6.773	
4-Chlorophenyl-phenylether	0.950	0.885		-6.842	
Fluorene	1.541	1.454		-5.646	
4-Nitroaniline	0.366	0.335		-8.47	
4,6-Dinitro-2-methylphenol	0.123	0.126		2.439	
n-Nitrosodiphenylamine	0.551	0.564		2.359	20.0
Azobenzene	1.321	1.198		-9.311	
2,4,6-Tribromophenol	0.439	0.423		-3.645	
4-Bromophenyl-phenylether	0.264	0.271		2.652	
Hexachlorobenzene	0.292	0.297		1.712	
Atrazine	0.206	0.200		-2.913	
Pentachlorophenol	0.191	0.189		-1.047	20.0
Phenanthrene	1.021	0.971		-4.897	
Anthracene	1.051	0.993		-5.519	
Carbazole	0.873	0.823		-5.727	
Di-n-butylphthalate	1.060	0.988		-6.792	
Fluoranthene	1.355	1.212		-10.554	20.0
Benzidine	0.371	0.421		13.477	
Pyrene	1.362	1.317		-3.304	
Terphenyl-d14	1.288	1.258		-2.329	
Butylbenzylphthalate	0.454	0.423		-6.828	
3,3-Dichlorobenzidine	0.508	0.473		-6.89	
Benzo(a)anthracene	1.406	1.340		-4.694	
Chrysene	1.339	1.280		-4.406	
Bis(2-ethylhexyl)phthalate	0.660	0.602		-8.788	
Di-n-octyl phthalate	1.096	1.023		-6.661	20.0
Benzo(b)fluoranthene	1.133	1.057		-6.708	
Benzo(k)fluoranthene	1.144	1.084		-5.245	

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Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG042524 SAS No.: BG042524 SDG No.: BG042524
 Instrument ID: BNA_G Calibration Date/Time: 4/25/2024 1:10:27
 Lab File ID: BG061032.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.097	1.043		-4.923	20.0
Indeno(1,2,3-cd)pyrene	1.387	1.357		-2.163	
Dibenzo(a,h)anthracene	1.134	1.113		-1.852	
Benzo(g,h,i)perylene	1.124	1.089		-3.114	
1,2,4,5-Tetrachlorobenzene	0.711	0.730		2.672	
1,4-Dioxane	0.342	0.347		1.462	20.0
2,3,4,6-Tetrachlorophenol	0.558	0.528		-5.376	
1-Methylnaphthalene	0.803	0.761		-5.23	

All other compounds must meet a minimum RRF of 0.010.

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:	PB160476BL	SDG No.:	BG042524
Lab Sample ID:	PB160476BL	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
BG061033.D	1	4/24/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160476

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

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BL	SDG No.:	BG042524
Lab Sample ID:	PB160476BL	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
BG061033.D	1	4/24/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160476

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:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BL	SDG No.:	BG042524
Lab Sample ID:	PB160476BL	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
BG061033.D	1	4/24/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160476

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	101.502		18-112		68	SPK: -150
13127-88-3	Phenol-d6	92.839		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	76.564		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	86.283		20-109		86	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:	PB160476BL	SDG No.:	BG042524
Lab Sample ID:	PB160476BL	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
BG061033.D	1	4/24/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.245		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	85.948		14-112		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19696	7.935				
1146-65-2	Naphthalene-d8	79321	10.738				
15067-26-2	Acenaphthene-d10	67542	14.568				
1517-22-2	Phenanthrene-d10	195480	17.318				
1719-03-5	Chrysene-d12	187558	21.578				
1520-96-3	Perylene-d12	213055	24.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000141-79-7	3-Penten-2-one, 4-methyl-	260	A			4.463	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2900	A			5.062	

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-2-FRONTDL	SDG No.:	BG042524
Lab Sample ID:	P2127-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BG061034.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	190	U	190	600	740	ug/Kg
110-86-1	Pyridine	180	U	180	290	380	ug/Kg
100-52-7	Benzaldehyde	410	U	410	600	740	ug/Kg
62-53-3	Aniline	220	U	220	290	380	ug/Kg
108-95-2	Phenol	190	U	190	290	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	190	290	380	ug/Kg
95-57-8	2-Chlorophenol	190	U	190	290	380	ug/Kg
95-50-1	1,2-Dichlorobenzene	190	U	190	290	380	ug/Kg
541-73-1	1,3-Dichlorobenzene	190	U	190	290	380	ug/Kg
106-46-7	1,4-Dichlorobenzene	190	U	190	290	380	ug/Kg
100-51-6	Benzyl Alcohol	190	U	190	600	740	ug/Kg
95-48-7	2-Methylphenol	180	U	180	290	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	290	380	ug/Kg
98-86-2	Acetophenone	190	U	190	290	380	ug/Kg
65794-96-9	3+4-Methylphenols	180	U	180	600	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90	U	90	180	180	ug/Kg
67-72-1	Hexachloroethane	190	U	190	290	380	ug/Kg
98-95-3	Nitrobenzene	200	U	200	290	380	ug/Kg
78-59-1	Isophorone	190	U	190	290	380	ug/Kg
88-75-5	2-Nitrophenol	210	U	210	290	380	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	210	290	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	190	290	380	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	170	290	380	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	190	U	190	290	380	ug/Kg
65-85-0	Benzoic acid	530	U	530	600	740	ug/Kg
91-20-3	Naphthalene	180	U	180	290	380	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	290	380	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	190	290	380	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-2-FRONTDL	SDG No.:	BG042524
Lab Sample ID:	P2127-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BG061034.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	190	U	190	600	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	290	380	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	180	290	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	U	350	600	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	160	290	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	170	290	380	ug/Kg
92-52-4	1,1-Biphenyl	200	U	200	290	380	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	190	290	380	ug/Kg
88-74-4	2-Nitroaniline	210	U	210	290	380	ug/Kg
131-11-3	Dimethylphthalate	180	U	180	290	380	ug/Kg
208-96-8	Acenaphthylene	190	U	190	290	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	190	290	380	ug/Kg
99-09-2	3-Nitroaniline	200	U	200	290	380	ug/Kg
83-32-9	Acenaphthene	310	JD	180	290	380	ug/Kg
Total PAH	Total PAH	18170	D	2950	290	6080	ug/Kg
51-28-5	2,4-Dinitrophenol	540	U	540	600	740	ug/Kg
100-02-7	4-Nitrophenol	260	U	260	600	740	ug/Kg
132-64-9	Dibenzofuran	200	JD	190	290	380	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	380	U	380	290	760	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	190	290	380	ug/Kg
84-66-2	Diethylphthalate	180	U	180	290	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	190	290	380	ug/Kg
86-73-7	Fluorene	340	JD	190	290	380	ug/Kg
100-01-6	4-Nitroaniline	240	U	240	290	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	260	600	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	290	380	ug/Kg
103-33-3	Azobenzene	180	U	180	290	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	180	290	380	ug/Kg
118-74-1	Hexachlorobenzene	190	U	190	290	380	ug/Kg
1912-24-9	Atrazine	200	U	200	290	380	ug/Kg



Client:				Date Collected:	4/15/2024 12:00:00 AM	
Project:				Date Received:	4/15/2024 12:00:00 AM	
Client Sample ID:	SP-2-FRONTDL			SDG No.:	BG042524	
Lab Sample ID:	P2127-01DL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	10.5	
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
BG061034.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	170	U	170	600	740	ug/Kg
85-01-8	Phenanthrene	3200	D	190	290	380	ug/Kg
120-12-7	Anthracene	680	D	190	290	380	ug/Kg
86-74-8	Carbazole	430	D	180	290	380	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	190	290	380	ug/Kg
206-44-0	Fluoranthene	3400	D	180	290	380	ug/Kg
92-87-5	Benzidine	360	U	360	600	740	ug/Kg
129-00-0	Pyrene	2800	D	190	290	380	ug/Kg
85-68-7	Butylbenzylphthalate	220	U	220	290	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	600	740	ug/Kg
56-55-3	Benzo(a)anthracene	1500	D	180	290	380	ug/Kg
218-01-9	Chrysene	1400	D	180	290	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	200	290	380	ug/Kg
117-84-0	Di-n-octyl phthalate	250	U	250	600	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700	D	180	290	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	780	D	180	290	380	ug/Kg
50-32-8	Benzo(a)pyrene	1100	D	210	290	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	480	D	170	290	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	U	180	290	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	480	D	180	290	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	190	290	380	ug/Kg
123-91-1	1,4-Dioxane	250	U	250	290	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	170	290	380	ug/Kg
90-12-0	1-Methylnaphthalene	190	U	190	380	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.006		18-112		57	SPK: -150
13127-88-3	Phenol-d6	78.288		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	48.258		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	53.802		20-109		54	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-2-FRONTDL	SDG No.:	BG042524
Lab Sample ID:	P2127-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BG061034.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	80.968		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	49.62		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28969	7.946				
1146-65-2	Naphthalene-d8	111850	10.737				
15067-26-2	Acenaphthene-d10	85633	14.567				
1517-22-2	Phenanthrene-d10	209024	17.317				
1719-03-5	Chrysene-d12	196144	21.577				
1520-96-3	Perylene-d12	192096	24.708				

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-2-BACKDL	SDG No.:	BG042524
Lab Sample ID:	P2127-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
Sample Wt/Vol:	30.07 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
BG061035.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	190	U	190	600	740	ug/Kg
110-86-1	Pyridine	180	U	180	290	380	ug/Kg
100-52-7	Benzaldehyde	410	U	410	600	740	ug/Kg
62-53-3	Aniline	220	U	220	290	380	ug/Kg
108-95-2	Phenol	190	U	190	290	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	190	290	380	ug/Kg
95-57-8	2-Chlorophenol	190	U	190	290	380	ug/Kg
95-50-1	1,2-Dichlorobenzene	190	U	190	290	380	ug/Kg
541-73-1	1,3-Dichlorobenzene	190	U	190	290	380	ug/Kg
106-46-7	1,4-Dichlorobenzene	190	U	190	290	380	ug/Kg
100-51-6	Benzyl Alcohol	190	U	190	600	740	ug/Kg
95-48-7	2-Methylphenol	180	U	180	290	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	290	380	ug/Kg
98-86-2	Acetophenone	190	U	190	290	380	ug/Kg
65794-96-9	3+4-Methylphenols	180	U	180	600	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.2	U	90.2	180	180	ug/Kg
67-72-1	Hexachloroethane	190	U	190	290	380	ug/Kg
98-95-3	Nitrobenzene	200	U	200	290	380	ug/Kg
78-59-1	Isophorone	190	U	190	290	380	ug/Kg
88-75-5	2-Nitrophenol	210	U	210	290	380	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	210	290	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	190	290	380	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	170	290	380	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	190	U	190	290	380	ug/Kg
65-85-0	Benzoic acid	530	U	530	600	740	ug/Kg
91-20-3	Naphthalene	180	U	180	290	380	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	290	380	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	190	290	380	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-2-BACKDL	SDG No.:	BG042524
Lab Sample ID:	P2127-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
Sample Wt/Vol:	30.07 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
BG061035.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	190	U	190	600	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	290	380	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	180	290	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	U	350	600	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	160	290	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	170	290	380	ug/Kg
92-52-4	1,1-Biphenyl	200	U	200	290	380	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	190	290	380	ug/Kg
88-74-4	2-Nitroaniline	210	U	210	290	380	ug/Kg
131-11-3	Dimethylphthalate	180	U	180	290	380	ug/Kg
208-96-8	Acenaphthylene	190	U	190	290	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	190	290	380	ug/Kg
99-09-2	3-Nitroaniline	200	U	200	290	380	ug/Kg
83-32-9	Acenaphthene	180	U	180	290	380	ug/Kg
Total PAH	Total PAH	19110	D	2950	290	6080	ug/Kg
51-28-5	2,4-Dinitrophenol	540	U	540	600	740	ug/Kg
100-02-7	4-Nitrophenol	260	U	260	600	740	ug/Kg
132-64-9	Dibenzofuran	190	U	190	290	380	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	380	U	380	290	760	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	190	290	380	ug/Kg
84-66-2	Diethylphthalate	180	U	180	290	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	190	290	380	ug/Kg
86-73-7	Fluorene	190	U	190	290	380	ug/Kg
100-01-6	4-Nitroaniline	240	U	240	290	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	260	600	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	290	380	ug/Kg
103-33-3	Azobenzene	180	U	180	290	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	180	290	380	ug/Kg
118-74-1	Hexachlorobenzene	190	U	190	290	380	ug/Kg
1912-24-9	Atrazine	200	U	200	290	380	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-2-BACKDL	SDG No.:	BG042524
Lab Sample ID:	P2127-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
Sample Wt/Vol:	30.07 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
BG061035.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	170	U	170	600	740	ug/Kg
85-01-8	Phenanthrene	2000	D	190	290	380	ug/Kg
120-12-7	Anthracene	390	D	190	290	380	ug/Kg
86-74-8	Carbazole	270	JD	180	290	380	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	190	290	380	ug/Kg
206-44-0	Fluoranthene	3400	D	180	290	380	ug/Kg
92-87-5	Benzidine	370	U	370	600	740	ug/Kg
129-00-0	Pyrene	3000	D	190	290	380	ug/Kg
85-68-7	Butylbenzylphthalate	220	U	220	290	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	600	740	ug/Kg
56-55-3	Benzo(a)anthracene	1800	D	180	290	380	ug/Kg
218-01-9	Chrysene	1600	D	180	290	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	200	290	380	ug/Kg
117-84-0	Di-n-octyl phthalate	250	U	250	600	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300	D	180	290	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200	D	180	290	380	ug/Kg
50-32-8	Benzo(a)pyrene	1700	D	210	290	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	720	D	170	290	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	JD	180	290	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	790	D	180	290	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	190	290	380	ug/Kg
123-91-1	1,4-Dioxane	250	U	250	290	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	170	290	380	ug/Kg
90-12-0	1-Methylnaphthalene	190	U	190	380	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.166		18-112		72	SPK: -150
13127-88-3	Phenol-d6	94.05		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	48.44		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	54.5		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-2-BACKDL	SDG No.:	BG042524
Lab Sample ID:	P2127-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
Sample Wt/Vol:	30.07 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
BG061035.D	2	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.852		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	52.692		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25361	7.944				
1146-65-2	Naphthalene-d8	104117	10.735				
15067-26-2	Acenaphthene-d10	87869	14.571				
1517-22-2	Phenanthrene-d10	212323	17.321				
1719-03-5	Chrysene-d12	205031	21.581				
1520-96-3	Perylene-d12	197174	24.712				

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1CDL	SDG No.:	BG042524
Lab Sample ID:	P2126-07DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.2
Sample Wt/Vol:	30.09	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
BG061036.D	10	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000	U	1000	3200	3900	ug/Kg
110-86-1	Pyridine	940	U	940	1500	2000	ug/Kg
100-52-7	Benzaldehyde	2100	U	2100	3200	3900	ug/Kg
62-53-3	Aniline	1100	U	1100	1500	2000	ug/Kg
108-95-2	Phenol	970	U	970	1500	2000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980	U	980	1500	2000	ug/Kg
95-57-8	2-Chlorophenol	980	U	980	1500	2000	ug/Kg
95-50-1	1,2-Dichlorobenzene	990	U	990	1500	2000	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000	U	1000	1500	2000	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000	U	1000	1500	2000	ug/Kg
100-51-6	Benzyl Alcohol	980	U	980	3200	3900	ug/Kg
95-48-7	2-Methylphenol	950	U	950	1500	2000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	U	1100	1500	2000	ug/Kg
98-86-2	Acetophenone	1000	U	1000	1500	2000	ug/Kg
65794-96-9	3+4-Methylphenols	940	U	940	3200	3900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	470	U	470	940	940	ug/Kg
67-72-1	Hexachloroethane	980	U	980	1500	2000	ug/Kg
98-95-3	Nitrobenzene	1100	U	1100	1500	2000	ug/Kg
78-59-1	Isophorone	990	U	990	1500	2000	ug/Kg
88-75-5	2-Nitrophenol	1100	U	1100	1500	2000	ug/Kg
105-67-9	2,4-Dimethylphenol	1100	U	1100	1500	2000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000	U	1000	1500	2000	ug/Kg
120-83-2	2,4-Dichlorophenol	890	U	890	1500	2000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000	U	1000	1500	2000	ug/Kg
65-85-0	Benzoic acid	2800	U	2800	3200	3900	ug/Kg
91-20-3	Naphthalene	1500	JD	970	1500	2000	ug/Kg
106-47-8	4-Chloroaniline	970	U	970	1500	2000	ug/Kg
87-68-3	Hexachlorobutadiene	980	U	980	1500	2000	ug/Kg



Client:				Date Collected:	4/15/2024 12:00:00 AM	
Project:				Date Received:	4/15/2024 12:00:00 AM	
Client Sample ID:	SP-1CDL			SDG No.:	BG042524	
Lab Sample ID:	P2126-07DL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	15.2	
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061036.D	10	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000	U	1000	3200	3900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910	U	910	1500	2000	ug/Kg
91-57-6	2-Methylnaphthalene	970	U	970	1500	2000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800	U	1800	3200	3900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	840	U	840	1500	2000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	870	U	870	1500	2000	ug/Kg
92-52-4	1,1-Biphenyl	1000	U	1000	1500	2000	ug/Kg
91-58-7	2-Chloronaphthalene	980	U	980	1500	2000	ug/Kg
88-74-4	2-Nitroaniline	1100	U	1100	1500	2000	ug/Kg
131-11-3	Dimethylphthalate	960	U	960	1500	2000	ug/Kg
208-96-8	Acenaphthylene	1000	U	1000	1500	2000	ug/Kg
606-20-2	2,6-Dinitrotoluene	980	U	980	1500	2000	ug/Kg
99-09-2	3-Nitroaniline	1000	U	1000	1500	2000	ug/Kg
83-32-9	Acenaphthene	1400	JD	950	1500	2000	ug/Kg
Total PAH	Total PAH	72200	D	15550	1500	32000	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	U	2900	3200	3900	ug/Kg
100-02-7	4-Nitrophenol	1400	U	1400	3200	3900	ug/Kg
132-64-9	Dibenzofuran	990	U	990	1500	2000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	980	U	1980	1500	4000	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000	U	1000	1500	2000	ug/Kg
84-66-2	Diethylphthalate	940	U	940	1500	2000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000	U	1000	1500	2000	ug/Kg
86-73-7	Fluorene	1100	JD	1000	1500	2000	ug/Kg
100-01-6	4-Nitroaniline	1300	U	1300	1500	2000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400	U	1400	3200	3900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	960	U	960	1500	2000	ug/Kg
103-33-3	Azobenzene	940	U	940	1500	2000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	930	U	930	1500	2000	ug/Kg
118-74-1	Hexachlorobenzene	1000	U	1000	1500	2000	ug/Kg
1912-24-9	Atrazine	1100	U	1100	1500	2000	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1CDL	SDG No.:	BG042524
Lab Sample ID:	P2126-07DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.2
Sample Wt/Vol:	30.09	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
BG061036.D	10	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	910	U	910	3200	3900	ug/Kg
85-01-8	Phenanthrene	12500	D	990	1500	2000	ug/Kg
120-12-7	Anthracene	2500	D	990	1500	2000	ug/Kg
86-74-8	Carbazole	1500	JD	940	1500	2000	ug/Kg
84-74-2	Di-n-butylphthalate	990	U	990	1500	2000	ug/Kg
206-44-0	Fluoranthene	13200	D	960	1500	2000	ug/Kg
92-87-5	Benzidine	1900	U	1900	3200	3900	ug/Kg
129-00-0	Pyrene	11500	D	980	1500	2000	ug/Kg
85-68-7	Butylbenzylphthalate	1100	U	1100	1500	2000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200	U	1200	3200	3900	ug/Kg
56-55-3	Benzo(a)anthracene	5500	D	950	1500	2000	ug/Kg
218-01-9	Chrysene	5200	D	930	1500	2000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100	U	1100	1500	2000	ug/Kg
117-84-0	Di-n-octyl phthalate	1300	U	1300	3200	3900	ug/Kg
205-99-2	Benzo(b)fluoranthene	6900	D	950	1500	2000	ug/Kg
207-08-9	Benzo(k)fluoranthene	3000	D	970	1500	2000	ug/Kg
50-32-8	Benzo(a)pyrene	4300	D	1100	1500	2000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700	JD	920	1500	2000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	950	U	950	1500	2000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900	JD	940	1500	2000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000	U	1000	1500	2000	ug/Kg
123-91-1	1,4-Dioxane	1300	U	1300	1500	2000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	880	U	880	1500	2000	ug/Kg
90-12-0	1-Methylnaphthalene	980	U	980	2000	2000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113.04		18-112		75	SPK: -150
13127-88-3	Phenol-d6	90.12		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	53.5		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	62.86		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1CDL	SDG No.:	BG042524
Lab Sample ID:	P2126-07DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061036.D	10	4/16/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.56		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	57.27		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29466	7.947				
1146-65-2	Naphthalene-d8	117392	10.738				
15067-26-2	Acenaphthene-d10	92925	14.569				
1517-22-2	Phenanthrene-d10	214675	17.319				
1719-03-5	Chrysene-d12	207965	21.578				
1520-96-3	Perylene-d12	192618	24.71				

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:	CONCRETE-1	SDG No.:	BG042524
Lab Sample ID:	P2259-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061037.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.5	U	51.5	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.8	U	51.8	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	CONCRETE-1	SDG No.:	BG042524
Lab Sample ID:	P2259-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061037.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.8	U	51.8	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794.2	U	794.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.2	U	51.2	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	50.9	U	50.9	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	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:	CONCRETE-1	SDG No.:	BG042524
Lab Sample ID:	P2259-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061037.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.3	U	50.3	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.5	U	54.5	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.7	U	55.7	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.634		18-112		60	SPK: -150
13127-88-3	Phenol-d6	81.356		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	53.56		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	60.864		20-109		61	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:	CONCRETE-1	SDG No.:	BG042524
Lab Sample ID:	P2259-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061037.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.956		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	58.645		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25378	7.943				
1146-65-2	Naphthalene-d8	97759	10.74				
15067-26-2	Acenaphthene-d10	77794	14.571				
1517-22-2	Phenanthrene-d10	180023	17.321				
1719-03-5	Chrysene-d12	178596	21.58				
1520-96-3	Perylene-d12	161495	24.706				

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:	CONCRETE-2	SDG No.:	BG042524
Lab Sample ID:	P2259-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG061038.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.1	U	50.1	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.5	U	51.5	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.8	U	51.8	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.7	U	49.7	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.1	U	24.1	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	49.7	U	49.7	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.8	U	55.8	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.2	U	45.2	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	CONCRETE-2	SDG No.:	BG042524
Lab Sample ID:	P2259-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG061038.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.4	U	46.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.4	U	49.4	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.3	U	44.3	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.8	U	51.8	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.4	U	53.4	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794	U	794	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.6	U	51.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.5	U	101.5	77.9	200	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.2	U	51.2	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	50.9	U	50.9	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	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:	CONCRETE-2	SDG No.:	BG042524
Lab Sample ID:	P2259-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG061038.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.3	U	50.3	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.7	U	49.7	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.6	U	47.6	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.5	U	54.5	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.7	U	55.7	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.357		18-112		53	SPK: -150
13127-88-3	Phenol-d6	63.837		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	40.444		18-107		40	SPK: -100
321-60-8	2-Fluorobiphenyl	46.716		20-109		47	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:	CONCRETE-2	SDG No.:	BG042524
Lab Sample ID:	P2259-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG061038.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	56.367		10-110		38	SPK: -150
1718-51-0	Terphenyl-d14	45.688		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24459	7.94				
1146-65-2	Naphthalene-d8	98546	10.737				
15067-26-2	Acenaphthene-d10	78241	14.574				
1517-22-2	Phenanthrene-d10	186640	17.318				
1719-03-5	Chrysene-d12	183537	21.577				
1520-96-3	Perylene-d12	184602	24.709				

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:	RO-RBR200059	SDG No.:	BG042524
Lab Sample ID:	P2261-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061039.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	62.1	U	62.1	190	240	ug/Kg
110-86-1	Pyridine	57.2	U	57.2	93	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	240	ug/Kg
62-53-3	Aniline	69.4	U	69.4	93	120	ug/Kg
108-95-2	Phenol	59.3	U	59.3	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.9	U	59.9	93	120	ug/Kg
95-57-8	2-Chlorophenol	59.8	U	59.8	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	60.5	U	60.5	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.6	U	61.6	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	61.9	U	61.9	93	120	ug/Kg
100-51-6	Benzyl Alcohol	59.4	U	59.4	190	240	ug/Kg
95-48-7	2-Methylphenol	57.7	U	57.7	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	65.1	U	65.1	93	120	ug/Kg
98-86-2	Acetophenone	62.2	U	62.2	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	57.1	U	57.1	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.8	U	28.8	57.3	57.3	ug/Kg
67-72-1	Hexachloroethane	59.4	U	59.4	93	120	ug/Kg
98-95-3	Nitrobenzene	65	U	65	93	120	ug/Kg
78-59-1	Isophorone	60.5	U	60.5	93	120	ug/Kg
88-75-5	2-Nitrophenol	67.6	U	67.6	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	66.7	U	66.7	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.4	U	61.4	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54	U	54	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	61.1	U	61.1	93	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	240	ug/Kg
91-20-3	Naphthalene	59.1	U	59.1	93	120	ug/Kg
106-47-8	4-Chloroaniline	59.1	U	59.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.6	U	59.6	93	120	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:	RO-RBR200059	SDG No.:	BG042524
Lab Sample ID:	P2261-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061039.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	62.1	U	62.1	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.5	U	55.5	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	59	U	59	93	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.1	U	51.1	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53	U	53	93	120	ug/Kg
92-52-4	1,1-Biphenyl	62.6	U	62.6	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.6	U	59.6	93	120	ug/Kg
88-74-4	2-Nitroaniline	68	U	68	93	120	ug/Kg
131-11-3	Dimethylphthalate	58.5	U	58.5	93	120	ug/Kg
208-96-8	Acenaphthylene	61.9	U	61.9	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.5	U	59.5	93	120	ug/Kg
99-09-2	3-Nitroaniline	63.8	U	63.8	93	120	ug/Kg
83-32-9	Acenaphthene	58	U	58	93	120	ug/Kg
Total PAH	Total PAH	1435.4	U	948.3	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	240	ug/Kg
100-02-7	4-Nitrophenol	83	U	83	190	240	ug/Kg
132-64-9	Dibenzofuran	60.4	U	60.4	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	21.2	U	121.2	93	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.7	U	61.7	93	120	ug/Kg
84-66-2	Diethylphthalate	57.3	U	57.3	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.3	U	61.3	93	120	ug/Kg
86-73-7	Fluorene	61.2	U	61.2	93	120	ug/Kg
100-01-6	4-Nitroaniline	76.6	U	76.6	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.7	U	83.7	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	58.4	U	58.4	93	120	ug/Kg
103-33-3	Azobenzene	57	U	57	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	56.5	U	56.5	93	120	ug/Kg
118-74-1	Hexachlorobenzene	60.8	U	60.8	93	120	ug/Kg
1912-24-9	Atrazine	65.4	U	65.4	93	120	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:	RO-RBR200059	SDG No.:	BG042524
Lab Sample ID:	P2261-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061039.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	55.3	U	55.3	190	240	ug/Kg
85-01-8	Phenanthrene	60.1	U	60.1	93	120	ug/Kg
120-12-7	Anthracene	60.4	U	60.4	93	120	ug/Kg
86-74-8	Carbazole	57.5	U	57.5	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	60.3	U	60.3	93	120	ug/Kg
206-44-0	Fluoranthene	200		58.5	93	120	ug/Kg
92-87-5	Benzidine	120	U	120	190	240	ug/Kg
129-00-0	Pyrene	240		59.4	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	69.3	U	69.3	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	70.6	U	70.6	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	150		57.8	93	120	ug/Kg
218-01-9	Chrysene	150		56.9	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.1	U	65.1	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	78.7	U	78.7	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		58	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	59.1	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	200		66.6	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	75.9	J	55.9	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58.1	U	58.1	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	79.5	J	57.3	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62.1	U	62.1	93	120	ug/Kg
123-91-1	1,4-Dioxane	78.7	U	78.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.5	U	53.5	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	59.5	U	59.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	156.87		18-112		105	SPK: -150
13127-88-3	Phenol-d6	120.972		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	72.582		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	74.771		20-109		75	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:	RO-RBR200059	SDG No.:	BG042524
Lab Sample ID:	P2261-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061039.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.792		10-110		77	SPK: -150
1718-51-0	Terphenyl-d14	63.899		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26537	7.946				
1146-65-2	Naphthalene-d8	104355	10.737				
15067-26-2	Acenaphthene-d10	79569	14.568				
1517-22-2	Phenanthrene-d10	180374	17.318				
1719-03-5	Chrysene-d12	182413	21.577				
1520-96-3	Perylene-d12	172049	24.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	180	J			3.17	
	unknown3.687	250	J			3.687	
	unknown6.942	70.4	J			6.942	
000770-35-4	1-Phenoxypropan-2-ol	76.6	J			11.472	
	unknown14.774	250	J			14.774	
	unknown16.319	54.2	J			16.319	
000057-10-3	n-Hexadecanoic acid	130	J			18.217	
1000154-24-0	Cyclopentanecarboxaldehyde, 2-meth	55.8	J			18.804	
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	52	J			19.433	
	unknown21.254	77.5	J			21.254	



Client:			Date Collected:	4/24/2024 12:00:00 AM	
Project:			Date Received:	4/24/2024 12:00:00 AM	
Client Sample ID:	RO-RBR200059MS		SDG No.:	BG042524	
Lab Sample ID:	P2261-01MS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	16.2	
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
BG061040.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		62.1	190	240	ug/Kg
110-86-1	Pyridine	850		57.2	93	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	240	ug/Kg
62-53-3	Aniline	430		69.3	93	120	ug/Kg
108-95-2	Phenol	1200		59.3	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		59.9	93	120	ug/Kg
95-57-8	2-Chlorophenol	1200		59.7	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		60.5	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		61.5	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		61.9	93	120	ug/Kg
100-51-6	Benzyl Alcohol	920		59.4	190	240	ug/Kg
95-48-7	2-Methylphenol	900		57.7	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	940		65	93	120	ug/Kg
98-86-2	Acetophenone	970		62.2	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	910		57.1	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	870		28.8	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	1100		59.4	93	120	ug/Kg
98-95-3	Nitrobenzene	940		65	93	120	ug/Kg
78-59-1	Isophorone	920		60.5	93	120	ug/Kg
88-75-5	2-Nitrophenol	950		67.6	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	810		66.7	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	940		61.4	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		54	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		61.1	93	120	ug/Kg
65-85-0	Benzoic acid	970		170	190	240	ug/Kg
91-20-3	Naphthalene	1000		59.1	93	120	ug/Kg
106-47-8	4-Chloroaniline	350		59.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		59.6	93	120	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:	RO-RBR200059MS	SDG No.:	BG042524
Lab Sample ID:	P2261-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BG061040.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	900		62.1	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	960		55.4	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	950		59	93	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	850		110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		51.1	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		52.9	93	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		62.5	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	1200		59.6	93	120	ug/Kg
88-74-4	2-Nitroaniline	1000		68	93	120	ug/Kg
131-11-3	Dimethylphthalate	1000		58.4	93	120	ug/Kg
208-96-8	Acenaphthylene	1100		61.9	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	970		59.5	93	120	ug/Kg
99-09-2	3-Nitroaniline	720		63.8	93	120	ug/Kg
83-32-9	Acenaphthene	1000		58	93	120	ug/Kg
Total PAH	Total PAH	17720		948	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	720		170	190	240	ug/Kg
100-02-7	4-Nitrophenol	2100	E	83	190	240	ug/Kg
132-64-9	Dibenzofuran	1000		60.4	93	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	980		61.7	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		121.2	93	240	ug/Kg
84-66-2	Diethylphthalate	970		57.3	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		61.2	93	120	ug/Kg
86-73-7	Fluorene	1000		61.2	93	120	ug/Kg
100-01-6	4-Nitroaniline	890		76.5	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400		83.7	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		58.4	93	120	ug/Kg
103-33-3	Azobenzene	980		56.9	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		56.4	93	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		60.8	93	120	ug/Kg
1912-24-9	Atrazine	1200		65.4	93	120	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:	RO-RBR200059MS	SDG No.:	BG042524
Lab Sample ID:	P2261-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BG061040.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2300	E	55.3	190	240	ug/Kg
85-01-8	Phenanthrene	1100		60.1	93	120	ug/Kg
120-12-7	Anthracene	1100		60.4	93	120	ug/Kg
86-74-8	Carbazole	1100		57.4	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	990		60.3	93	120	ug/Kg
206-44-0	Fluoranthene	1200		58.4	93	120	ug/Kg
92-87-5	Benzidine	1500		120	190	240	ug/Kg
129-00-0	Pyrene	1200		59.4	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	980		69.3	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		70.5	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1200		57.7	93	120	ug/Kg
218-01-9	Chrysene	1200		56.9	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	990		65.1	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		78.7	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		58	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		59.1	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	1300		66.5	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920		55.9	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	860		58.1	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	740		57.3	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		62.1	93	120	ug/Kg
123-91-1	1,4-Dioxane	920		78.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		53.4	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	960		59.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.439		18-112		88	SPK: -150
13127-88-3	Phenol-d6	124.618		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	65.713		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	71.222		20-109		71	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:	RO-RBR200059MS	SDG No.:	BG042524
Lab Sample ID:	P2261-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BG061040.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.142		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	59.076		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28067	7.947				
1146-65-2	Naphthalene-d8	107691	10.738				
15067-26-2	Acenaphthene-d10	81719	14.574				
1517-22-2	Phenanthrene-d10	188224	17.324				
1719-03-5	Chrysene-d12	189029	21.584				
1520-96-3	Perylene-d12	173721	24.715				



Client:			Date Collected:	4/24/2024 12:00:00 AM	
Project:			Date Received:	4/24/2024 12:00:00 AM	
Client Sample ID:	RO-RBR200059MSD		SDG No.:	BG042524	
Lab Sample ID:	P2261-01MSD		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	16.2	
Sample Wt/Vol:	50.08	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
BG061041.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		62	190	240	ug/Kg
110-86-1	Pyridine	890		57.1	92.9	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	240	ug/Kg
62-53-3	Aniline	410		69.3	92.9	120	ug/Kg
108-95-2	Phenol	1100		59.3	92.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		59.8	92.9	120	ug/Kg
95-57-8	2-Chlorophenol	1100		59.7	92.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		60.5	92.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		61.5	92.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		61.8	92.9	120	ug/Kg
100-51-6	Benzyl Alcohol	960		59.3	190	240	ug/Kg
95-48-7	2-Methylphenol	960		57.6	92.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		65	92.9	120	ug/Kg
98-86-2	Acetophenone	940		62.1	92.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	950		57	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900		28.8	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	1100		59.3	92.9	120	ug/Kg
98-95-3	Nitrobenzene	920		64.9	92.9	120	ug/Kg
78-59-1	Isophorone	890		60.5	92.9	120	ug/Kg
88-75-5	2-Nitrophenol	970		67.6	92.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	790		66.6	92.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	920		61.3	92.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		54	92.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		61	92.9	120	ug/Kg
65-85-0	Benzoic acid	920		170	190	240	ug/Kg
91-20-3	Naphthalene	1000		59	92.9	120	ug/Kg
106-47-8	4-Chloroaniline	350		59	92.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		59.5	92.9	120	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:	RO-RBR200059MSD	SDG No.:	BG042524
Lab Sample ID:	P2261-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.08 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
BG061041.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	890		62	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	940		55.4	92.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	930		59	92.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	910		110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		51	92.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		52.9	92.9	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		62.5	92.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		59.5	92.9	120	ug/Kg
88-74-4	2-Nitroaniline	1000		67.9	92.9	120	ug/Kg
131-11-3	Dimethylphthalate	980		58.4	92.9	120	ug/Kg
208-96-8	Acenaphthylene	1100		61.8	92.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	980		59.5	92.9	120	ug/Kg
99-09-2	3-Nitroaniline	720		63.8	92.9	120	ug/Kg
83-32-9	Acenaphthene	1000		58	92.9	120	ug/Kg
Total PAH	Total PAH	17900		947	92.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	770		170	190	240	ug/Kg
100-02-7	4-Nitrophenol	2100	E	82.9	190	240	ug/Kg
132-64-9	Dibenzofuran	1000		60.3	92.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	960		121.1	92.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	980		61.6	92.9	120	ug/Kg
84-66-2	Diethylphthalate	960		57.3	92.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		61.2	92.9	120	ug/Kg
86-73-7	Fluorene	1000		61.1	92.9	120	ug/Kg
100-01-6	4-Nitroaniline	910		76.5	92.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	430		83.6	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		58.3	92.9	120	ug/Kg
103-33-3	Azobenzene	960		56.9	92.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		56.4	92.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		60.8	92.9	120	ug/Kg
1912-24-9	Atrazine	1200		65.3	92.9	120	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:	RO-RBR200059MSD	SDG No.:	BG042524
Lab Sample ID:	P2261-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.08 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
BG061041.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2200	E	55.3	190	240	ug/Kg
85-01-8	Phenanthrene	1100		60	92.9	120	ug/Kg
120-12-7	Anthracene	1100		60.3	92.9	120	ug/Kg
86-74-8	Carbazole	1100		57.4	92.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		60.3	92.9	120	ug/Kg
206-44-0	Fluoranthene	1200		58.4	92.9	120	ug/Kg
92-87-5	Benzidine	1500		120	190	240	ug/Kg
129-00-0	Pyrene	1200		59.3	92.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	990		69.2	92.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		70.5	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1200		57.7	92.9	120	ug/Kg
218-01-9	Chrysene	1200		56.8	92.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	990		65.1	92.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		78.6	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		58	92.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		59	92.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	1300		66.5	92.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		55.8	92.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	840		58	92.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	780		57.3	92.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		62	92.9	120	ug/Kg
123-91-1	1,4-Dioxane	1000		78.6	92.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		53.4	92.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	930		59.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	141.116		18-112		94	SPK: -150
13127-88-3	Phenol-d6	111.435		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	64.686		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	68.874		20-109		69	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:	RO-RBR200059MSD	SDG No.:	BG042524
Lab Sample ID:	P2261-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.08 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
BG061041.D	1	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.324		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	59.543		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25730	7.944				
1146-65-2	Naphthalene-d8	104986	10.74				
15067-26-2	Acenaphthene-d10	79363	14.577				
1517-22-2	Phenanthrene-d10	181870	17.321				
1719-03-5	Chrysene-d12	183305	21.586				
1520-96-3	Perylene-d12	170402	24.706				

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:	OR-03-042424	SDG No.:	BG042524
Lab Sample ID:	P2258-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BG061042.D	2	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	360	440	ug/Kg
110-86-1	Pyridine	110	U	110	170	230	ug/Kg
100-52-7	Benzaldehyde	240	U	240	360	440	ug/Kg
62-53-3	Aniline	130	U	130	170	230	ug/Kg
108-95-2	Phenol	110	U	110	170	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	440	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	230	ug/Kg
98-86-2	Acetophenone	120	U	120	170	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.5	U	53.5	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	230	ug/Kg
78-59-1	Isophorone	110	U	110	170	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	230	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	230	ug/Kg
65-85-0	Benzoic acid	310	U	310	360	440	ug/Kg
91-20-3	Naphthalene	110	J	110	170	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	230	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:	OR-03-042424			SDG No.:	BG042524	
Lab Sample ID:	P2258-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	9.7	
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
BG061042.D	2	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	360	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	J	110	170	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.8	U	94.8	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.2	U	98.2	170	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	230	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	230	ug/Kg
83-32-9	Acenaphthene	230		110	170	230	ug/Kg
Total PAH	Total PAH	13030		1760	170	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	360	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	440	ug/Kg
132-64-9	Dibenzofuran	160	J	110	170	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	230	ug/Kg
86-73-7	Fluorene	340		110	170	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	360	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	230	ug/Kg
103-33-3	Azobenzene	110	U	110	170	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	230	ug/Kg
1912-24-9	Atrazine	120	U	120	170	230	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:	OR-03-042424	SDG No.:	BG042524
Lab Sample ID:	P2258-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BG061042.D	2	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	360	440	ug/Kg
85-01-8	Phenanthrene	2000		110	170	230	ug/Kg
120-12-7	Anthracene	480		110	170	230	ug/Kg
86-74-8	Carbazole	110	U	110	170	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	230	ug/Kg
206-44-0	Fluoranthene	2400		110	170	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	2200		110	170	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	1000		110	170	230	ug/Kg
218-01-9	Chrysene	980		110	170	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		110	170	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	610		110	170	230	ug/Kg
50-32-8	Benzo(a)pyrene	890		120	170	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280		100	170	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310		110	170	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.2	U	99.2	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	120	J	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.462		18-112		68	SPK: -150
13127-88-3	Phenol-d6	82.88		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	50.996		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	59.976		20-109		60	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:	OR-03-042424	SDG No.:	BG042524
Lab Sample ID:	P2258-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BG061042.D	2	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.326		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	51.968		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30458	7.947				
1146-65-2	Naphthalene-d8	111990	10.738				
15067-26-2	Acenaphthene-d10	81827	14.569				
1517-22-2	Phenanthrene-d10	187557	17.318				
1719-03-5	Chrysene-d12	191390	21.584				
1520-96-3	Perylene-d12	151983	24.716				
TENTATIVE IDENTIFIED COMPOUNDS							
000575-43-9	Naphthalene, 1,6-dimethyl-	150	J			13.893	
001689-64-1	9H-Fluoren-9-ol	130	J			15.914	
000112-40-3	Dodecane	220	J			16.296	
001430-97-3	9H-Fluorene, 2-methyl-	140	J			16.625	
000132-65-0	Dibenzothiophene	220	J			17.136	
	unknown17.830	150	J			17.83	
000112-39-0	Hexadecanoic acid, methyl ester	390	J			17.994	
000613-12-7	Anthracene, 2-methyl-	380	J			18.194	
000832-64-4	Phenanthrene, 4-methyl-	460	J			18.247	
000779-02-2	Anthracene, 9-methyl-	160	J			18.323	
000203-64-5	4H-Cyclopenta[def]phenanthrene	810	J			18.388	
000832-69-9	Phenanthrene, 1-methyl-	290	J			18.429	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	280	J			18.693	
	unknown18.729	170	J			18.729	
002566-97-4	9,12-Octadecadienoic acid, methyl	1500	J			19.134	
056554-47-3	13-Octadecenoic acid, methyl ester	1000	J			19.169	
003674-66-6	Phenanthrene, 2,5-dimethyl-	200	J			19.257	
000112-61-8	Methyl stearate	250	J			19.304	
002381-21-7	Pyrene, 1-methyl-	190	J			20.233	

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:	OR-03-042424	SDG No.:	BG042524
Lab Sample ID:	P2258-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BG061042.D	2	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000243-17-4	11H-Benzo[b]fluorene	140	J			20.333	



Client:				Date Collected:	4/24/2024 12:00:00 AM	
Project:				Date Received:	4/24/2024 12:00:00 AM	
Client Sample ID:	HR-04-04242024			SDG No.:	BG042524	
Lab Sample ID:	P2262-03			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.5	
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
BG061043.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	870	1100	ug/Kg
110-86-1	Pyridine	260	U	260	420	540	ug/Kg
100-52-7	Benzaldehyde	580	U	580	870	1100	ug/Kg
62-53-3	Aniline	310	U	310	420	540	ug/Kg
108-95-2	Phenol	270	U	270	420	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	420	540	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	420	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	420	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	420	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	420	540	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	870	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	420	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	420	540	ug/Kg
98-86-2	Acetophenone	280	U	280	420	540	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	870	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	420	540	ug/Kg
98-95-3	Nitrobenzene	290	U	290	420	540	ug/Kg
78-59-1	Isophorone	270	U	270	420	540	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	420	540	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	420	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	420	540	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	420	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	420	540	ug/Kg
65-85-0	Benzoic acid	760	U	760	870	1100	ug/Kg
91-20-3	Naphthalene	260	U	260	420	540	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	420	540	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	540	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:	HR-04-04242024	SDG No.:	BG042524
Lab Sample ID:	P2262-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
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
BG061043.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	280	U	280	870	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	420	540	ug/Kg
91-57-6	2-Methylnaphthalene	260	U	260	420	540	ug/Kg
77-47-4	Hexachlorocyclopentadiene	500	U	500	870	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	420	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	420	540	ug/Kg
92-52-4	1,1-Biphenyl	280	U	280	420	540	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	540	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	420	540	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	420	540	ug/Kg
208-96-8	Acenaphthylene	280	U	280	420	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	420	540	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	420	540	ug/Kg
83-32-9	Acenaphthene	260	U	260	420	540	ug/Kg
Total PAH	Total PAH	4240	U	4240	420	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	780	U	780	870	1100	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	870	1100	ug/Kg
132-64-9	Dibenzofuran	270	U	270	420	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	420	1080	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	420	540	ug/Kg
84-66-2	Diethylphthalate	260	U	260	420	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	420	540	ug/Kg
86-73-7	Fluorene	270	U	270	420	540	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	420	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	370	870	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	420	540	ug/Kg
103-33-3	Azobenzene	260	U	260	420	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	420	540	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	420	540	ug/Kg
1912-24-9	Atrazine	290	U	290	420	540	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:	HR-04-04242024	SDG No.:	BG042524
Lab Sample ID:	P2262-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
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
BG061043.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	870	1100	ug/Kg
85-01-8	Phenanthrene	270	U	270	420	540	ug/Kg
120-12-7	Anthracene	270	U	270	420	540	ug/Kg
86-74-8	Carbazole	260	U	260	420	540	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	420	540	ug/Kg
206-44-0	Fluoranthene	260	U	260	420	540	ug/Kg
92-87-5	Benzidine	520	U	520	870	1100	ug/Kg
129-00-0	Pyrene	270	U	270	420	540	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	420	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	260	U	260	420	540	ug/Kg
218-01-9	Chrysene	250	U	250	420	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	420	540	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	260	U	260	420	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	U	260	420	540	ug/Kg
50-32-8	Benzo(a)pyrene	300	U	300	420	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	420	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	420	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	420	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	540	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	420	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	540	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	122.525		18-112		82	SPK: -150
13127-88-3	Phenol-d6	96.735		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	60.315		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	71.035		20-109		71	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:	HR-04-04242024	SDG No.:	BG042524
Lab Sample ID:	P2262-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
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
BG061043.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.18		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	65.125		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27306	7.941				
1146-65-2	Naphthalene-d8	106690	10.738				
15067-26-2	Acenaphthene-d10	74782	14.569				
1517-22-2	Phenanthrene-d10	166350	17.319				
1719-03-5	Chrysene-d12	165513	21.578				
1520-96-3	Perylene-d12	146829	24.71				
TENTATIVE IDENTIFIED COMPOUNDS							
062108-25-2	Decane, 2,6,7-trimethyl-	340	J			11.772	
003221-61-2	Octane, 2-methyl-	240	J			13.118	
001560-96-9	Tridecane, 2-methyl-	330	J			13.406	
1000282-04-8	Methoxyacetic acid, 2-tetradecyl e	300	J			14.064	
001002-43-3	Undecane, 3-methyl-	360	J			14.475	
000544-76-3	Hexadecane	390	J			15.433	
017312-57-1	Dodecane, 3-methyl-	310	J			15.838	
000629-78-7	Heptadecane	470	J			16.296	
000593-45-3	Octadecane	370	J			17.09	
000629-50-5	Tridecane	330	J			17.142	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	380	J			17.83	
000629-62-9	Pentadecane	370	J			18.517	
002566-97-4	9,12-Octadecadienoic acid, methyl	500	J			19.134	

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:	HR-03-04242024	SDG No.:	BG042524
Lab Sample ID:	P2262-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
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
BG061044.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	850	1000	ug/Kg
110-86-1	Pyridine	250	U	250	410	540	ug/Kg
100-52-7	Benzaldehyde	580	U	580	850	1000	ug/Kg
62-53-3	Aniline	310	U	310	410	540	ug/Kg
108-95-2	Phenol	260	U	260	410	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	410	540	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	410	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	410	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	410	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	410	540	ug/Kg
100-51-6	Benzyl Alcohol	260	U	260	850	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	410	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	410	540	ug/Kg
98-86-2	Acetophenone	270	U	270	410	540	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	850	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	250	250	ug/Kg
67-72-1	Hexachloroethane	260	U	260	410	540	ug/Kg
98-95-3	Nitrobenzene	290	U	290	410	540	ug/Kg
78-59-1	Isophorone	270	U	270	410	540	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	410	540	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	410	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	410	540	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	410	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	410	540	ug/Kg
65-85-0	Benzoic acid	750	U	750	850	1000	ug/Kg
91-20-3	Naphthalene	260	U	260	410	540	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	410	540	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	410	540	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:	HR-03-04242024			SDG No.:	BG042524	
Lab Sample ID:	P2262-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.2	
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
BG061044.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270	U	270	850	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	410	540	ug/Kg
91-57-6	2-Methylnaphthalene	260	U	260	410	540	ug/Kg
77-47-4	Hexachlorocyclopentadiene	490	U	490	850	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	410	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	410	540	ug/Kg
92-52-4	1,1-Biphenyl	280	U	280	410	540	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	410	540	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	410	540	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	410	540	ug/Kg
208-96-8	Acenaphthylene	270	U	270	410	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	410	540	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	410	540	ug/Kg
83-32-9	Acenaphthene	260	U	260	410	540	ug/Kg
Total PAH	Total PAH	5090	U	4200	410	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	770	U	770	850	1000	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	850	1000	ug/Kg
132-64-9	Dibenzofuran	270	U	270	410	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	530	U	530	410	1080	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	410	540	ug/Kg
84-66-2	Diethylphthalate	250	U	250	410	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	410	540	ug/Kg
86-73-7	Fluorene	270	U	270	410	540	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	410	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	370	850	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	410	540	ug/Kg
103-33-3	Azobenzene	250	U	250	410	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	410	540	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	410	540	ug/Kg
1912-24-9	Atrazine	290	U	290	410	540	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:	HR-03-04242024			SDG No.:	BG042524	
Lab Sample ID:	P2262-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.2	
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
BG061044.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	240	U	240	850	1000	ug/Kg
85-01-8	Phenanthrene	340	J	270	410	540	ug/Kg
120-12-7	Anthracene	270	U	270	410	540	ug/Kg
86-74-8	Carbazole	250	U	250	410	540	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	410	540	ug/Kg
206-44-0	Fluoranthene	1100		260	410	540	ug/Kg
92-87-5	Benzidine	520	U	520	850	1000	ug/Kg
129-00-0	Pyrene	1000		260	410	540	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	410	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	310	850	1000	ug/Kg
56-55-3	Benzo(a)anthracene	540		260	410	540	ug/Kg
218-01-9	Chrysene	550		250	410	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	410	540	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	850	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	680		260	410	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	370	J	260	410	540	ug/Kg
50-32-8	Benzo(a)pyrene	510	J	290	410	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	410	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	410	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	250	410	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	410	540	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	410	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	410	540	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.355		18-112		55	SPK: -150
13127-88-3	Phenol-d6	72.365		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	46.885		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	55.095		20-109		55	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:	HR-03-04242024	SDG No.:	BG042524
Lab Sample ID:	P2262-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
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
BG061044.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	68.47		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	49.885		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	31483	7.947				
1146-65-2	Naphthalene-d8	115679	10.744				
15067-26-2	Acenaphthene-d10	81222	14.575				
1517-22-2	Phenanthrene-d10	176878	17.325				
1719-03-5	Chrysene-d12	185619	21.584				
1520-96-3	Perylene-d12	161982	24.716				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-62-9	Pentadecane	1600	J			9.181	
000629-50-5	Tridecane	1600	J			12.166	
031295-56-4	Dodecane, 2,6,11-trimethyl-	1000	J			13.124	
001560-96-9	Tridecane, 2-methyl-	2900	J			13.412	
017312-55-9	Decane, 3,8-dimethyl-	1100	J			14.07	
000112-04-9	Silane, trichlorooctadecyl-	3900	J			14.487	
004434-66-6	Nonadecane, 1-bromo-	1200	J			15.104	
000544-76-3	Hexadecane	4200	J			15.439	
017301-28-9	Undecane, 3,6-dimethyl-	1900	J			15.844	
000629-78-7	Heptadecane	6700	J			16.302	
001560-89-0	Heptadecane, 2-methyl-	5300	J			17.09	
002882-96-4	Pentadecane, 3-methyl-	2800	J			17.148	
000629-92-5	Nonadecane	4500	J			17.83	
000112-39-0	Hexadecanoic acid, methyl ester	7300	J			18	
000057-10-3	n-Hexadecanoic acid	1300	J			18.23	
000112-95-8	Eicosane	4200	J			18.523	
002462-85-3	9,12-Octadecadienoic acid, methyl	37400	J			19.152	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	23900	J			19.181	
000112-61-8	Methyl stearate	3700	J			19.305	

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:	HR-03-04242024	SDG No.:	BG042524
Lab Sample ID:	P2262-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
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
BG061044.D	5	4/25/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160503

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
001928-30-9	Tricosane, 2-methyl-	1300	J			20.262	

Hit Summary Sheet SW-846

SDG No.: BG042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-1CDL								
P2126-07DL	SP-1CDL	Solid	Acenaphthene	1,400.000	JD	950	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Anthracene	2,500.000	D	990	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Benzo(a)anthracene	5,500.000	D	950	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Benzo(a)pyrene	4,300.000	D	1100	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Benzo(b)fluoranthene	6,900.000	D	950	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Benzo(g,h,i)perylene	1,900.000	JD	940	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Benzo(k)fluoranthene	3,000.000	D	970	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Carbazole	1,500.000	JD	940	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Chrysene	5,200.000	D	930	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Fluoranthene	13,200.000	D	960	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Fluorene	1,100.000	JD	1000	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Indeno(1,2,3-cd)pyrene	1,700.000	JD	920	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Naphthalene	1,500.000	JD	970	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Phenanthrene	12,500.000	D	990	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Pyrene	11,500.000	D	980	2000	ug/Kg
P2126-07DL	SP-1CDL	Solid	Total PAH	72,200.000	D	15550	32000	ug/Kg
Total Svoc :				145,900.00				
Total Concentration:				145,900.00				

Client ID : SP-2-FRONTDL								
P2127-01DL	SP-2-FRONTDL	Solid	Acenaphthene	310.000	JD	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Anthracene	680.000	D	190	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Benzo(a)anthracene	1,500.000	D	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Benzo(a)pyrene	1,100.000	D	210	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Benzo(b)fluoranthene	1,700.000	D	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Benzo(g,h,i)perylene	480.000	D	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Benzo(k)fluoranthene	780.000	D	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Carbazole	430.000	D	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Chrysene	1,400.000	D	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Dibenzofuran	200.000	JD	190	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Fluoranthene	3,400.000	D	180	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Fluorene	340.000	JD	190	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Indeno(1,2,3-cd)pyrene	480.000	D	170	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Phenanthrene	3,200.000	D	190	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Pyrene	2,800.000	D	190	380	ug/Kg
P2127-01DL	SP-2-FRONTDL	Solid	Total PAH	18,170.000	D	2950	6080	ug/Kg
Total Svoc :				36,970.00				

Hit Summary Sheet SW-846

SDG No.: BG042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				36,970.00				
Client ID :	SP-2-BACKDL							
P2127-04DL	SP-2-BACKDL	Solid	Anthracene	390.000	D	190	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Benzo(a)anthracene	1,800.000	D	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Benzo(a)pyrene	1,700.000	D	210	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Benzo(b)fluoranthene	2,300.000	D	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Benzo(g,h,i)perylene	790.000	D	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Benzo(k)fluoranthene	1,200.000	D	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Carbazole	270.000	JD	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Chrysene	1,600.000	D	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Dibenzo(a,h)anthracene	210.000	JD	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Fluoranthene	3,400.000	D	180	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Indeno(1,2,3-cd)pyrene	720.000	D	170	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Phenanthrene	2,000.000	D	190	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Pyrene	3,000.000	D	190	380	ug/Kg
P2127-04DL	SP-2-BACKDL	Solid	Total PAH	19,110.000	D	2950	6080	ug/Kg
Total Svoc :				38,490.00				
Total Concentration:				38,490.00				
Client ID :	OR-03-042424							
P2258-01	OR-03-042424	Solid	11H-Benzo[b]fluorene	*	140.000	J		
P2258-01	OR-03-042424	Solid	13-Octadecenoic acid, methyl este	*	1,000.000	J		
P2258-01	OR-03-042424	Solid	4H-Cyclopenta[def]phenanthrene	*	810.000	J		
P2258-01	OR-03-042424	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	280.000	J		
P2258-01	OR-03-042424	Solid	9,12-Octadecadienoic acid, methy	*	1,500.000	J		
P2258-01	OR-03-042424	Solid	9H-Fluoren-9-ol	*	130.000	J		
P2258-01	OR-03-042424	Solid	9H-Fluorene, 2-methyl-	*	140.000	J		
P2258-01	OR-03-042424	Solid	Anthracene, 2-methyl-	*	380.000	J		
P2258-01	OR-03-042424	Solid	Anthracene, 9-methyl-	*	160.000	J		
P2258-01	OR-03-042424	Solid	Dibenzothiophene	*	220.000	J		
P2258-01	OR-03-042424	Solid	Dodecane	*	220.000	J		
P2258-01	OR-03-042424	Solid	Hexadecanoic acid, methyl ester	*	390.000	J		
P2258-01	OR-03-042424	Solid	Methyl stearate	*	250.000	J		
P2258-01	OR-03-042424	Solid	Naphthalene, 1,6-dimethyl-	*	150.000	J		
P2258-01	OR-03-042424	Solid	Phenanthrene, 1-methyl-	*	290.000	J		
P2258-01	OR-03-042424	Solid	Phenanthrene, 2,5-dimethyl-	*	200.000	J		
P2258-01	OR-03-042424	Solid	Phenanthrene, 4-methyl-	*	460.000	J		
P2258-01	OR-03-042424	Solid	Pyrene, 1-methyl-	*	190.000	J		
P2258-01	OR-03-042424	Solid	unknown17.830	*	150.000	J		
P2258-01	OR-03-042424	Solid	unknown18.729	*	170.000	J		

Hit Summary Sheet SW-846

SDG No.: BG042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	7,230.00				
P2258-01	OR-03-042424	Solid	1-Methylnaphthalene	120.000	J	110	230	ug/Kg
P2258-01	OR-03-042424	Solid	2-Methylnaphthalene	110.000	J	110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Acenaphthene	230.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Anthracene	480.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Benzo(a)anthracene	1,000.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Benzo(a)pyrene	890.000		120	230	ug/Kg
P2258-01	OR-03-042424	Solid	Benzo(b)fluoranthene	1,200.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Benzo(g,h,i)perylene	310.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Benzo(k)fluoranthene	610.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Chrysene	980.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Dibenzofuran	160.000	J	110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Fluoranthene	2,400.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Fluorene	340.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Indeno(1,2,3-cd)pyrene	280.000		100	230	ug/Kg
P2258-01	OR-03-042424	Solid	Naphthalene	110.000	J	110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Phenanthrene	2,000.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Pyrene	2,200.000		110	230	ug/Kg
P2258-01	OR-03-042424	Solid	Total PAH	13,030.000		1760	3680	ug/Kg
			Total Svoc :	26,450.00				
			Total Concentration:	33,680.00				

Client ID : RO-RBR200059

P2261-01	RO-RBR200059	Solid	1-Phenoxypropan-2-ol	*	76.600	J		
P2261-01	RO-RBR200059	Solid	10,18-Bisnorabieta-5,7,9(10),11,1	*	52.000	J		
P2261-01	RO-RBR200059	Solid	Butane, 2-methoxy-2-methyl-	*	180.000	J		
P2261-01	RO-RBR200059	Solid	Cyclopentanecarboxaldehyde, 2-n	*	55.800	J		
P2261-01	RO-RBR200059	Solid	n-Hexadecanoic acid	*	130.000	J		
P2261-01	RO-RBR200059	Solid	unknown14.774	*	250.000	J		
P2261-01	RO-RBR200059	Solid	unknown16.319	*	54.200	J		
P2261-01	RO-RBR200059	Solid	unknown21.254	*	77.500	J		
P2261-01	RO-RBR200059	Solid	unknown3.687	*	250.000	J		
P2261-01	RO-RBR200059	Solid	unknown6.942	*	70.400	J		
			Total Tics :	1,196.50				
P2261-01	RO-RBR200059	Solid	Benzo(a)anthracene		150.000	57.8	120	ug/Kg
P2261-01	RO-RBR200059	Solid	Benzo(a)pyrene		200.000	66.6	120	ug/Kg
P2261-01	RO-RBR200059	Solid	Benzo(b)fluoranthene		240.000	58	120	ug/Kg
P2261-01	RO-RBR200059	Solid	Benzo(g,h,i)perylene	J	79.500	57.3	120	ug/Kg
P2261-01	RO-RBR200059	Solid	Benzo(k)fluoranthene	J	100.000	59.1	120	ug/Kg
P2261-01	RO-RBR200059	Solid	Chrysene		150.000	56.9	120	ug/Kg
P2261-01	RO-RBR200059	Solid	Fluoranthene		200.000	58.5	120	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2261-01	RO-RBR200059	Solid	Indeno(1,2,3-cd)pyrene	75.900	J	55.9	120	ug/Kg
P2261-01	RO-RBR200059	Solid	Pyrene	240.000		59.4	120	ug/Kg
Total Svoc :				1,435.40				
Total Concentration:				2,631.90				

Client ID : HR-03-04242024

P2262-01	HR-03-04242024	Solid	9,12-Octadecadienoic acid, methy *	37,400.000	J			
P2262-01	HR-03-04242024	Solid	9-Octadecenoic acid (Z)-, methyl *	23,900.000	J			
P2262-01	HR-03-04242024	Solid	Decane, 3,8-dimethyl-	1,100.000	J			
P2262-01	HR-03-04242024	Solid	Dodecane, 2,6,11-trimethyl-	1,000.000	J			
P2262-01	HR-03-04242024	Solid	Eicosane	4,200.000	J			
P2262-01	HR-03-04242024	Solid	Heptadecane	6,700.000	J			
P2262-01	HR-03-04242024	Solid	Heptadecane, 2-methyl-	5,300.000	J			
P2262-01	HR-03-04242024	Solid	Hexadecane	4,200.000	J			
P2262-01	HR-03-04242024	Solid	Hexadecanoic acid, methyl ester	7,300.000	J			
P2262-01	HR-03-04242024	Solid	Methyl stearate	3,700.000	J			
P2262-01	HR-03-04242024	Solid	n-Hexadecanoic acid	1,300.000	J			
P2262-01	HR-03-04242024	Solid	Nonadecane	4,500.000	J			
P2262-01	HR-03-04242024	Solid	Nonadecane, 1-bromo-	1,200.000	J			
P2262-01	HR-03-04242024	Solid	Pentadecane	1,600.000	J			
P2262-01	HR-03-04242024	Solid	Pentadecane, 3-methyl-	2,800.000	J			
P2262-01	HR-03-04242024	Solid	Silane, trichlorooctadecyl-	3,900.000	J			
P2262-01	HR-03-04242024	Solid	Tricosane, 2-methyl-	1,300.000	J			
P2262-01	HR-03-04242024	Solid	Tridecane	1,600.000	J			
P2262-01	HR-03-04242024	Solid	Tridecane, 2-methyl-	2,900.000	J			
P2262-01	HR-03-04242024	Solid	Undecane, 3,6-dimethyl-	1,900.000	J			
Total Tics :				117,800.00				
P2262-01	HR-03-04242024	Solid	Benzo(a)anthracene	540.000		260	540	ug/Kg
P2262-01	HR-03-04242024	Solid	Benzo(a)pyrene	510.000	J	290	540	ug/Kg
P2262-01	HR-03-04242024	Solid	Benzo(b)fluoranthene	680.000		260	540	ug/Kg
P2262-01	HR-03-04242024	Solid	Benzo(k)fluoranthene	370.000	J	260	540	ug/Kg
P2262-01	HR-03-04242024	Solid	Chrysene	550.000		250	540	ug/Kg
P2262-01	HR-03-04242024	Solid	Fluoranthene	1,100.000		260	540	ug/Kg
P2262-01	HR-03-04242024	Solid	Phenanthrene	340.000	J	270	540	ug/Kg
P2262-01	HR-03-04242024	Solid	Pyrene	1,000.000		260	540	ug/Kg
Total Svoc :				5,090.00				
Total Concentration:				122,890.00				

Client ID : HR-04-04242024

P2262-03	HR-04-04242024	Solid	9,12-Octadecadienoic acid, methy *	500.000	J			
P2262-03	HR-04-04242024	Solid	Decane, 2,6,7-trimethyl-	340.000	J			

Hit Summary Sheet SW-846

SDG No.: BG042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2262-03	HR-04-04242024	Solid	Dodecane, 3-methyl-	*	310.000	J		
P2262-03	HR-04-04242024	Solid	Heptadecane	*	470.000	J		
P2262-03	HR-04-04242024	Solid	Heptadecane, 2,6,10,15-tetramethyl-	*	380.000	J		
P2262-03	HR-04-04242024	Solid	Hexadecane	*	390.000	J		
P2262-03	HR-04-04242024	Solid	Methoxyacetic acid, 2-tetradecyl ester	*	300.000	J		
P2262-03	HR-04-04242024	Solid	Octadecane	*	370.000	J		
P2262-03	HR-04-04242024	Solid	Octane, 2-methyl-	*	240.000	J		
P2262-03	HR-04-04242024	Solid	Pentadecane	*	370.000	J		
P2262-03	HR-04-04242024	Solid	Tridecane	*	330.000	J		
P2262-03	HR-04-04242024	Solid	Tridecane, 2-methyl-	*	330.000	J		
P2262-03	HR-04-04242024	Solid	Undecane, 3-methyl-	*	360.000	J		
Total Tics :					4,690.00			
Total Concentration:					4,690.00			



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG No.: BG042024
Instrument ID: _____ Calibration Date(s): 4/20/2024 : _____
Calibration Time(s): 16:57 : _____

LAB FILE ID:		RRF2.5 = BG060971.D			RRF005 = BG060972.D		RRF010 = BG060973.D	
		RRF020 = BG060974.D			RRF040 = BG060975.D		RRF050 = BG060976.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.948	0.937	1.023	0.943	0.948	0.951	4.2
Pyridine		1.060	1.078	1.121	1.027	1.053	1.058	3.7
2-Fluorophenol		0.981	0.994	1.079	0.958	0.991	0.989	4.7
Benzaldehyde		0.825	0.773	0.859	0.706	0.735	0.755	9.1
Aniline		1.743	1.716	1.931	1.743	1.785	1.763	4.7
Phenol-d6		1.497	1.321	1.538	1.467	1.503	1.467	5.0
Phenol		1.424	1.417	1.544	1.447	1.464	1.458	3.5
bis(2-Chloroethyl)ether		1.115	0.986	1.125	1.007	1.020	1.043	5.5
2-Chlorophenol		1.250	1.271	1.287	1.178	1.224	1.232	3.4
1,2-Dichlorobenzene		1.373	1.375	1.461	1.342	1.367	1.375	3.2
1,3-Dichlorobenzene		1.430	1.288	1.524	1.315	1.364	1.366	6.2
1,4-Dichlorobenzene		1.451	1.367	1.564	1.364	1.375	1.407	5.8
Benzyl Alcohol		1.365	1.345	1.519	1.347	1.376	1.385	4.6
2-Methylphenol		1.093	1.140	1.265	1.174	1.198	1.177	4.9
2,2-oxybis(1-Chloropropane)		2.347	2.162	2.437	2.213	2.239	2.270	4.5
Acetophenone		0.581	0.562	0.576	0.521	0.563	0.558	3.8
3+4-Methylphenols		1.677	1.552	1.811	1.588	1.680	1.646	5.6
n-Nitroso-di-n-propylamine	1.148	1.080	1.002	1.213	1.050	1.106	1.093	6.2
Nitrobenzene-d5		0.435	0.449	0.451	0.422	0.460	0.445	2.9
Hexachloroethane		0.524	0.455	0.542	0.506	0.504	0.507	5.5
Nitrobenzene		0.432	0.421	0.433	0.407	0.441	0.428	2.6
Isophorone		0.738	0.761	0.797	0.704	0.739	0.745	4.2
2-Nitrophenol		0.184	0.210	0.217	0.192	0.208	0.201	5.7
2,4-Dimethylphenol		0.322	0.336	0.337	0.296	0.328	0.322	4.3
bis(2-Chloroethoxy)methane		0.386	0.406	0.416	0.360	0.392	0.392	4.7
2,4-Dichlorophenol		0.360	0.406	0.372	0.350	0.380	0.372	4.8
1,2,4-Trichlorobenzene		0.422	0.398	0.420	0.386	0.424	0.410	3.6
Benzoic acid		0.204	0.199	0.253	0.243	0.271	0.246	13.4
Naphthalene		1.153	1.116	1.092	1.023	1.108	1.095	3.9
4-Chloroaniline		0.497	0.523	0.511	0.469	0.506	0.497	3.8
Hexachlorobutadiene		0.371	0.364	0.370	0.338	0.363	0.361	3.2
Caprolactam		0.111	0.117	0.126	0.119	0.125	0.118	4.6
4-Chloro-3-methylphenol		0.449	0.430	0.451	0.410	0.450	0.434	4.1
2-Methylnaphthalene		0.859	0.889	0.889	0.823	0.880	0.861	3.3
Hexachlorocyclopentadiene			0.343	0.401	0.412	0.433	0.418	10.5
2,4,6-Trichlorophenol		0.446	0.475	0.490	0.447	0.469	0.467	3.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042024

SAS No.: BG042024

SDG No.: BG042024

Instrument ID: _____

Calibration Date(s): 4/20/2024 : _____

Calibration Time(s): 16:57 _____

LAB FILE ID:		RRF2.5 = BG060971.D			RRF005 = BG060972.D		RRF010 = BG060973.D	
		RRF020 = BG060974.D			RRF040 = BG060975.D		RRF050 = BG060976.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.395	1.413	1.494	1.390	1.454	1.445	3.4
2,4,5-Trichlorophenol		0.554	0.532	0.569	0.524	0.550	0.553	4.4
1,1-Biphenyl		1.256	1.310	1.405	1.298	1.382	1.347	4.6
2-Chloronaphthalene		1.004	0.992	1.064	0.987	1.054	1.033	3.9
2-Nitroaniline		0.419	0.412	0.440	0.393	0.415	0.417	3.9
Dimethylphthalate		1.650	1.668	1.699	1.572	1.661	1.649	3.2
Acenaphthylene		1.671	1.662	1.815	1.689	1.765	1.740	4.1
2,6-Dinitrotoluene		0.346	0.341	0.358	0.333	0.346	0.344	3.3
3-Nitroaniline		0.340	0.350	0.368	0.315	0.340	0.339	5.7
Acenaphthene		1.001	1.026	1.124	1.043	1.077	1.057	4.1
2,4-Dinitrophenol			0.114	0.173	0.190	0.221	0.191	22.8
4-Nitrophenol		0.193	0.232	0.256	0.241	0.264	0.243	10.1
Dibenzofuran		1.862	1.776	1.904	1.746	1.843	1.825	3.5
2,4-Dinitrotoluene		0.508	0.472	0.523	0.481	0.501	0.496	4.1
Diethylphthalate		1.603	1.660	1.728	1.537	1.633	1.624	4.1
4-Chlorophenyl-phenylether		0.979	0.943	1.004	0.899	0.941	0.950	4.0
Fluorene		1.536	1.521	1.654	1.449	1.552	1.541	4.2
4-Nitroaniline		0.373	0.370	0.388	0.348	0.373	0.366	4.6
4,6-Dinitro-2-methylphenol			0.093	0.123	0.122	0.132	0.123	13.1
n-Nitrosodiphenylamine		0.534	0.544	0.575	0.526	0.548	0.551	3.5
Azobenzene		1.306	1.309	1.417	1.241	1.344	1.321	4.6
2,4,6-Tribromophenol		0.428	0.443	0.468	0.419	0.444	0.439	3.7
4-Bromophenyl-phenylether		0.255	0.250	0.280	0.250	0.264	0.264	4.8
Hexachlorobenzene		0.274	0.276	0.305	0.282	0.293	0.292	5.0
Atrazine		0.231	0.218	0.223	0.203	0.196	0.206	9.2
Pentachlorophenol			0.151	0.185	0.191	0.201	0.191	11.4
Phenanthrene		1.017	1.012	1.071	0.964	1.028	1.021	3.3
Anthracene		1.032	1.049	1.098	1.005	1.056	1.051	3.0
Carbazole		0.893	0.877	0.906	0.830	0.859	0.873	3.1
Di-n-butylphthalate		1.046	1.089	1.119	1.006	1.048	1.060	3.6
Fluoranthene		1.360	1.350	1.456	1.282	1.346	1.355	4.0
Benzidine			0.446	0.392	0.399	0.340	0.371	13.5
Pyrene		1.363	1.401	1.447	1.295	1.359	1.362	3.7
Terphenyl-d14		1.303	1.319	1.371	1.223	1.282	1.288	3.9
Butylbenzylphthalate		0.452	0.453	0.482	0.433	0.450	0.454	3.4
3,3-Dichlorobenzidine		0.500	0.519	0.543	0.485	0.503	0.508	3.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG042024 SAS No.: BG042024 SDG No.: BG042024
Instrument ID: _____ Calibration Date(s): 4/20/2024 : _____
Calibration Time(s): 16:57 : _____

LAB FILE ID:		RRF2.5 = BG060971.D			RRF005 = BG060972.D		RRF010 = BG060973.D	
		RRF020 = BG060974.D			RRF040 = BG060975.D		RRF050 = BG060976.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.412	1.404	1.473	1.335	1.388	1.406	3.0
Chrysene		1.349	1.345	1.394	1.265	1.332	1.339	3.0
Bis(2-ethylhexyl)phthalate		0.651	0.666	0.688	0.622	0.659	0.660	3.1
Di-n-octyl phthalate		1.065	1.110	1.137	1.039	1.100	1.096	3.1
Benzo(b)fluoranthene		1.113	1.110	1.151	1.092	1.125	1.133	3.4
Benzo(k)fluoranthene		1.142	1.106	1.185	1.094	1.152	1.144	3.2
Benzo(a)pyrene		1.073	1.071	1.128	1.053	1.098	1.097	3.3
Indeno(1,2,3-cd)pyrene		1.308	1.312	1.415	1.342	1.415	1.387	4.9
Dibenzo(a,h)anthracene		1.029	1.045	1.160	1.122	1.170	1.134	6.4
Benzo(g,h,i)perylene		1.053	1.114	1.142	1.079	1.138	1.124	4.1
1,2,4,5-Tetrachlorobenzene		0.678	0.663	0.738	0.694	0.718	0.711	4.9
1,4-Dioxane		0.351	0.364	0.363	0.338	0.344	0.342	6.0
2,3,4,6-Tetrachlorophenol		0.535	0.554	0.601	0.533	0.571	0.558	4.7
1-Methylnaphthalene		0.810	0.789	0.833	0.776	0.817	0.803	2.7

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.: BG042524 SAS No.: BG042524 SDG NO.: BG042524

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 11:18

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	20618	7.943	82022	10.74	72860	14.57
UPPER LIMIT	41236	8.443	164044	11.24	145720	15.07
LOWER LIMIT	10309	7.443	41011	10.24	36430	14.07
EPA SAMPLE NO.						
01 PB160476BL	19696	7.94	79321	10.74	67542	14.57
02 SP-2-FRONTDL	28969	7.95	111850	10.74	85633	14.57
03 SP-2-BACKDL	25361	7.94	104117	10.74	87869	14.57
04 SP-1CDL	29466	7.95	117392	10.74	92925	14.57
05 CONCRETE-1	25378	7.94	97759	10.74	77794	14.57
06 CONCRETE-2	24459	7.94	98546	10.74	78241	14.57
07 RO-RBR200059	26537	7.95	104355	10.74	79569	14.57
08 RO-RBR200059MS	28067	7.95	107691	10.74	81719	14.57
09 RO-RBR200059MSD	25730	7.94	104986	10.74	79363	14.58
10 OR-03-042424	30458	7.95	111990	10.74	81827	14.57
11 HR-04-04242024	27306	7.94	106690	10.74	74782	14.57
12 HR-03-04242024	31483	7.95	115679	10.74	81222	14.58

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042524 SAS No.: BG042524 SDG NO.: BG042524

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BG061032.D Time Analyzed: 11:18

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	22232	7.944	95492	10.74	83833	14.57
UPPER LIMIT	44464	8.444	190984	11.241	167666	15.071
LOWER LIMIT	11116	7.444	47746	10.241	41916.5	14.071
EPA SAMPLE NO.						
01 PB160476BL	19696	7.94	79321	10.74	67542	14.57
02 SP-2-FRONTDL	28969	7.95	111850	10.74	85633	14.57
03 SP-2-BACKDL	25361	7.94	104117	10.74	87869	14.57
04 SP-1CDL	29466	7.95	117392	10.74	92925	14.57
05 CONCRETE-1	25378	7.94	97759	10.74	77794	14.57
06 CONCRETE-2	24459	7.94	98546	10.74	78241	14.57
07 RO-RBR200059	26537	7.95	104355	10.74	79569	14.57
08 RO-RBR200059MS	28067	7.95	107691	10.74	81719	14.57
09 RO-RBR200059MSD	25730	7.94	104986	10.74	79363	14.58
10 OR-03-042424	30458	7.95	111990	10.74	81827	14.57
11 HR-04-04242024	27306	7.94	106690	10.74	74782	14.57
12 HR-03-04242024	31483	7.95	115679	10.74	81222	14.58

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG042524 SAS No.: BG042524 SDG NO.: BG042524

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BG060975.D Time Analyzed: 11:18

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	190054	17.32	189201	21.58	221856	24.7
	UPPER LIMIT	380108	17.82	378402	22.08	443712	25.2
	LOWER LIMIT	95027	16.82	94600.5	21.08	110928	24.2
	EPA SAMPLE NO.						
01	PB160476BL	195480	17.32	187558	21.58	213055	24.71
02	SP-2-FRONTDL	209024	17.32	196144	21.58	192096	24.71
03	SP-2-BACKDL	212323	17.32	205031	21.58	197174	24.71
04	SP-1CDL	214675	17.32	207965	21.58	192618	24.71
05	CONCRETE-1	180023	17.32	178596	21.58	161495	24.71
06	CONCRETE-2	186640	17.32	183537	21.58	184602	24.71
07	RO-RBR200059	180374	17.32	182413	21.58	172049	24.71
08	RO-RBR200059MS	188224	17.32	189029	21.58	173721	24.72
09	RO-RBR200059MSD	181870	17.32	183305	21.59	170402	24.71
10	OR-03-042424	187557	17.32	191390	21.58	151983	24.72
11	HR-04-04242024	166350	17.32	165513	21.58	146829	24.71
12	HR-03-04242024	176878	17.33	185619	21.58	161982	24.72

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.: BG042524 SAS No.: BG042524 SDG NO.: BG042524

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BG061032.D Time Analyzed: 11:18

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	202096	17.321	186215	21.581	228543	24.713
UPPER LIMIT	404192	17.821	372430	22.081	457086	25.213
LOWER LIMIT	101048	16.821	93107.5	21.081	114271.5	24.213
EPA SAMPLE NO.						
01 PB160476BL	195480	17.32	187558	21.58	213055	24.71
02 SP-2-FRONTDL	209024	17.32	196144	21.58	192096	24.71
03 SP-2-BACKDL	212323	17.32	205031	21.58	197174	24.71
04 SP-1CDL	214675	17.32	207965	21.58	192618	24.71
05 CONCRETE-1	180023	17.32	178596	21.58	161495	24.71
06 CONCRETE-2	186640	17.32	183537	21.58	184602	24.71
07 RO-RBR200059	180374	17.32	182413	21.58	172049	24.71
08 RO-RBR200059MS	188224	17.32	189029	21.58	173721	24.72
09 RO-RBR200059MSD	181870	17.32	183305	21.59	170402	24.71
10 OR-03-042424	187557	17.32	191390	21.58	151983	24.72
11 HR-04-04242024	166350	17.32	165513	21.58	146829	24.71
12 HR-03-04242024	176878	17.33	185619	21.58	161982	24.72

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.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160476BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042524

SAS No.: BG042524 SDG NO.: BG042524

Lab File ID: BG061033.D

Lab Sample ID: PB160476BL

Instrument ID: BNA_G

Date Extracted: 04/24/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/25/2024

Level: (low/med) LOW

Time Analyzed: 11:18

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

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

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

CONCRETE-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG042524

SAS No.: BG042524 SDG NO.: BG042524

Lab File ID: BG061037.D

Lab Sample ID: P2259-01

Instrument ID: BNA_G

Date Extracted: 04/25/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/25/2024

Level: (low/med) LOW

Time Analyzed: 14:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
CONCRETE-1	P2259-01	BG061037.D	04/25/2024
CONCRETE-2	P2259-02	BG061038.D	04/25/2024
RO-RBR200059	P2261-01	BG061039.D	04/25/2024
RO-RBR200059MS	P2261-01MS	BG061040.D	04/25/2024
RO-RBR200059MSD	P2261-01MSD	BG061041.D	04/25/2024
OR-03-042424	P2258-01	BG061042.D	04/25/2024
HR-04-04242024	P2262-03	BG061043.D	04/25/2024
HR-03-04242024	P2262-01	BG061044.D	04/25/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2261-01MS		Client Sample ID: RO-RBR200059MS		DataFile: BG061040.D							
n-Nitrosodimethylamine	1200		1100	ug/Kg	92				66	124	
Pyridine	1200		850	ug/Kg	71				45	119	
Benzaldehyde	1200		0	ug/Kg	0	*			26	163	
Aniline	1200		430	ug/Kg	36				10	88	
Phenol	1200		1200	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				74	116	
2-Chlorophenol	1200		1200	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1200		1100	ug/Kg	92				61	105	
1,3-Dichlorobenzene	1200		1100	ug/Kg	92				62	101	
1,4-Dichlorobenzene	1200		1100	ug/Kg	92				63	104	
Benzyl Alcohol	1200		920	ug/Kg	77				47	126	
2-Methylphenol	1200		900	ug/Kg	75				66	122	
2,2-oxybis(1-Chloropropane)	1200		940	ug/Kg	78				52	115	
Acetophenone	1200		970	ug/Kg	81				75	111	
3+4-Methylphenols	1200		910	ug/Kg	76				53	132	
N-Nitroso-di-n-propylamine	1200		870	ug/Kg	73				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		940	ug/Kg	78				70	119	
Isophorone	1200		920	ug/Kg	77				76	122	
2-Nitrophenol	1200		950	ug/Kg	79				54	145	
2,4-Dimethylphenol	1200		810	ug/Kg	68	*			83	144	
bis(2-Chloroethoxy)methane	1200		940	ug/Kg	78				68	112	
2,4-Dichlorophenol	1200		1000	ug/Kg	83				72	118	
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92				57	103	
Benzoic acid	1200		970	ug/Kg	81				50	104	
Naphthalene	1200		1000	ug/Kg	83				72	110	
4-Chloroaniline	1200		350	ug/Kg	29				10	100	
Hexachlorobutadiene	1200		1100	ug/Kg	92				66	114	
Caprolactam	1200		900	ug/Kg	75				51	134	
4-Chloro-3-methylphenol	1200		960	ug/Kg	80				57	132	
2-Methylnaphthalene	1200		950	ug/Kg	79				59	123	
Hexachlorocyclopentadiene	2400		850	ug/Kg	35				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
1,1-Biphenyl	1200		1100	ug/Kg	92				75	113	
2-Chloronaphthalene	1200		1200	ug/Kg	100				67	118	
2-Nitroaniline	1200		1000	ug/Kg	83				69	127	
Dimethylphthalate	1200		1000	ug/Kg	83				70	113	
Acenaphthylene	1200		1100	ug/Kg	92				79	118	
2,6-Dinitrotoluene	1200		970	ug/Kg	81				70	125	
3-Nitroaniline	1200		720	ug/Kg	60				20	111	
Acenaphthene	1200		1000	ug/Kg	83				70	121	
Total PAH	19200	1435.4	17720	ug/Kg	92				70	121	
2,4-Dinitrophenol	2400		720	ug/Kg	30				16	160	
4-Nitrophenol	2400		2100	ug/Kg	88				45	133	
Dibenzofuran	1200		1000	ug/Kg	83				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		980	ug/Kg	82				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1950	ug/Kg	81				55	128	
Diethylphthalate	1200		970	ug/Kg	81				70	112	
4-Chlorophenyl-phenylether	1200		990	ug/Kg	83				71	108	
Fluorene	1200		1000	ug/Kg	83				68	116	
4-Nitroaniline	1200		890	ug/Kg	74				55	120	
4,6-Dinitro-2-methylphenol	1200		400	ug/Kg	33				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		980	ug/Kg	82				73	110	
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200		1200	ug/Kg	100				67	118	
Atrazine	1200		1200	ug/Kg	100				79	127	
Pentachlorophenol	2400		2300	ug/Kg	96				47	128	
Phenanthrene	1200	0	1100	ug/Kg	92				72	113	
Anthracene	1200		1100	ug/Kg	92				62	124	
Carbazole	1200		1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200		990	ug/Kg	83				69	118	
Fluoranthene	1200	200	1200	ug/Kg	83				59	125	
Benzidine	2400		1500	ug/Kg	63				10	119	
Pyrene	1200	240	1200	ug/Kg	80				52	128	
Butylbenzylphthalate	1200		980	ug/Kg	82				64	126	
3,3-Dichlorobenzidine	1200		870	ug/Kg	73				10	164	
Benzo(a)anthracene	1200	150	1200	ug/Kg	88				71	114	
Chrysene	1200	150	1200	ug/Kg	88				57	121	
bis(2-Ethylhexyl)phthalate	1200		990	ug/Kg	83				66	127	
Di-n-octyl phthalate	1200		1000	ug/Kg	83				71	126	
Benzo(b)fluoranthene	1200	240	1300	ug/Kg	88				67	121	
Benzo(k)fluoranthene	1200	100	1500	ug/Kg	117	*			74	114	
Benzo(a)pyrene	1200	200	1300	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200	75.9	920	ug/Kg	70				61	125	
Dibenz(a,h)anthracene	1200		860	ug/Kg	72				67	130	
Benzo(g,h,i)perylene	1200	79.5	740	ug/Kg	55				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100				69	124	
1,4-Dioxane	1200		920	ug/Kg	77				46	112	
2,3,4,6-Tetrachlorophenol	1200		1100	ug/Kg	92				56	133	
1-Methylnaphthalene	1200		960	ug/Kg	80				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2261-01MSD		Client Sample ID: RO-RBR200059MSD		DataFile: BG061041.D							
n-Nitrosodimethylamine	1200		1100	ug/Kg	92		0		66	124	20
Pyridine	1200		890	ug/Kg	74		4		45	119	20
Benzaldehyde	1200		0	ug/Kg	0	*			26	163	20
Aniline	1200		410	ug/Kg	34		6		10	88	20
Phenol	1200		1100	ug/Kg	92		8		67	126	20
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83		10		74	116	20
2-Chlorophenol	1200		1100	ug/Kg	92		8		61	138	20
1,2-Dichlorobenzene	1200		1100	ug/Kg	92		0		61	105	20
1,3-Dichlorobenzene	1200		1100	ug/Kg	92		0		62	101	20
1,4-Dichlorobenzene	1200		1100	ug/Kg	92		0		63	104	20
Benzyl Alcohol	1200		960	ug/Kg	80		4		47	126	20
2-Methylphenol	1200		960	ug/Kg	80		6		66	122	20
2,2-oxybis(1-Chloropropane)	1200		970	ug/Kg	81		4		52	115	20
Acetophenone	1200		940	ug/Kg	78		4		75	111	20
3+4-Methylphenols	1200		950	ug/Kg	79		4		53	132	20
N-Nitroso-di-n-propylamine	1200		900	ug/Kg	75		3		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		0		65	117	20
Nitrobenzene	1200		920	ug/Kg	77		1		70	119	20
Isophorone	1200		890	ug/Kg	74	*	4		76	122	20
2-Nitrophenol	1200		970	ug/Kg	81		3		54	145	20
2,4-Dimethylphenol	1200		790	ug/Kg	66	*	3		83	144	20
bis(2-Chloroethoxy)methane	1200		920	ug/Kg	77		1		68	112	20
2,4-Dichlorophenol	1200		1000	ug/Kg	83		0		72	118	20
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92		0		57	103	20
Benzoic acid	1200		920	ug/Kg	77		5		50	104	20
Naphthalene	1200		1000	ug/Kg	83		0		72	110	20
4-Chloroaniline	1200		350	ug/Kg	29		0		10	100	20
Hexachlorobutadiene	1200		1100	ug/Kg	92		0		66	114	20
Caprolactam	1200		890	ug/Kg	74		1		51	134	20
4-Chloro-3-methylphenol	1200		940	ug/Kg	78		3		57	132	20
2-Methylnaphthalene	1200		930	ug/Kg	78		1		59	123	20
Hexachlorocyclopentadiene	2400		910	ug/Kg	38		8		10	175	20
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92		0		72	117	20
2,4,5-Trichlorophenol	1200		1000	ug/Kg	83		10		72	117	20
1,1-Biphenyl	1200		1100	ug/Kg	92		0		75	113	20
2-Chloronaphthalene	1200		1100	ug/Kg	92		8		67	118	20
2-Nitroaniline	1200		1000	ug/Kg	83		0		69	127	20
Dimethylphthalate	1200		980	ug/Kg	82		1		70	113	20
Acenaphthylene	1200		1100	ug/Kg	92		0		79	118	20
2,6-Dinitrotoluene	1200		980	ug/Kg	82		1		70	125	20
3-Nitroaniline	1200		720	ug/Kg	60		0		20	111	20
Acenaphthene	1200		1000	ug/Kg	83		0		70	121	20
Total PAH	19200		17900	ug/Kg	93		1		70	121	20
2,4-Dinitrophenol	2400		770	ug/Kg	32		6		16	160	20
4-Nitrophenol	2400		2100	ug/Kg	88		0		45	133	20
Dibenzofuran	1200		1000	ug/Kg	83		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG042524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		980	ug/Kg	82		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1960	ug/Kg	82		1		55	128	20
Diethylphthalate	1200		960	ug/Kg	80		1		70	112	20
4-Chlorophenyl-phenylether	1200		970	ug/Kg	81		2		71	108	20
Fluorene	1200		1000	ug/Kg	83		0		68	116	20
4-Nitroaniline	1200		910	ug/Kg	76		3		55	120	20
4,6-Dinitro-2-methylphenol	1200		430	ug/Kg	36		9		32	145	20
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92		0		73	118	20
Azobenzene	1200		960	ug/Kg	80		2		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		0		65	121	20
Hexachlorobenzene	1200		1200	ug/Kg	100		0		67	118	20
Atrazine	1200		1200	ug/Kg	100		0		79	127	20
Pentachlorophenol	2400		2200	ug/Kg	92		4		47	128	20
Phenanthrene	1200		1100	ug/Kg	92		0		72	113	20
Anthracene	1200		1100	ug/Kg	92		0		62	124	20
Carbazole	1200		1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200		1000	ug/Kg	83		0		69	118	20
Fluoranthene	1200		1200	ug/Kg	100		19		59	125	20
Benzidine	2400		1500	ug/Kg	63		0		10	119	20
Pyrene	1200		1200	ug/Kg	100		22	*	52	128	20
Butylbenzylphthalate	1200		990	ug/Kg	83		1		64	126	20
3,3-Dichlorobenzidine	1200		870	ug/Kg	73		0		10	164	20
Benzo(a)anthracene	1200		1200	ug/Kg	100		13		71	114	20
Chrysene	1200		1200	ug/Kg	100		13		57	121	20
bis(2-Ethylhexyl)phthalate	1200		990	ug/Kg	83		0		66	127	20
Di-n-octyl phthalate	1200		1000	ug/Kg	83		0		71	126	20
Benzo(b)fluoranthene	1200		1400	ug/Kg	117		28	*	67	121	20
Benzo(k)fluoranthene	1200		1500	ug/Kg	125	*	7		74	114	20
Benzo(a)pyrene	1200		1300	ug/Kg	108		16		70	142	20
Indeno(1,2,3-cd)pyrene	1200		980	ug/Kg	82		16		61	125	20
Dibenz(a,h)anthracene	1200		840	ug/Kg	70		3		67	130	20
Benzo(g,h,i)perylene	1200		780	ug/Kg	65		17		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100		0		69	124	20
1,4-Dioxane	1200		1000	ug/Kg	83		8		46	112	20
2,3,4,6-Tetrachlorophenol	1200		1000	ug/Kg	83		10		56	133	20
1-Methylnaphthalene	1200		930	ug/Kg	78		3		70	130	20

Surrogate Summary

SW-846

SDG No.: **BG042524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2126-07DL	SP-1CDL	BG061036.D	2-Fluorophenol	150	113.04	75		18	112
			Phenol-d6	150	90.12	60		15	107
			Nitrobenzene-d5	100	53.50	54		18	107
			2-Fluorobiphenyl	100	62.86	63		20	109
			2,4,6-Tribromophenol	150	89.56	60		10	110
			Terphenyl-d14	100	57.27	57		14	112
P2127-01DL	SP-2-FRONTDL	BG061034.D	2-Fluorophenol	150	86.01	57		18	112
			Phenol-d6	150	78.29	52		15	107
			Nitrobenzene-d5	100	48.26	48		18	107
			2-Fluorobiphenyl	100	53.80	54		20	109
			2,4,6-Tribromophenol	150	80.97	54		10	110
			Terphenyl-d14	100	49.62	50		14	112
P2127-04DL	SP-2-BACKDL	BG061035.D	2-Fluorophenol	150	108.17	72		18	112
			Phenol-d6	150	94.05	63		15	107
			Nitrobenzene-d5	100	48.44	48		18	107
			2-Fluorobiphenyl	100	54.50	55		20	109
			2,4,6-Tribromophenol	150	83.85	56		10	110
			Terphenyl-d14	100	52.69	53		14	112



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

Surrogate Summary

SW-846

SDG No.: BG042524

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160476BL	PB160476BL	BG061033.D	2-Fluorophenol	150	101.50	68		18	112
			Phenol-d6	150	92.84	62		15	107
			Nitrobenzene-d5	100	76.56	77		18	107
			2-Fluorobiphenyl	100	86.28	86		20	109
			2,4,6-Tribromophenol	150	96.25	64		10	110
			Terphenyl-d14	100	85.95	86		14	112

Surrogate Summary

SW-846

SDG No.: **BG042524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2258-01	OR-03-042424	BG061042.D	2-Fluorophenol	150	101.46	68		18	112
			Phenol-d6	150	82.88	55		15	107
			Nitrobenzene-d5	100	51.00	51		18	107
			2-Fluorobiphenyl	100	59.98	60		20	109
			2,4,6-Tribromophenol	150	76.33	51		10	110
			Terphenyl-d14	100	51.97	52		14	112
P2259-01	CONCRETE-1	BG061037.D	2-Fluorophenol	150	89.63	60		18	112
			Phenol-d6	150	81.36	54		15	107
			Nitrobenzene-d5	100	53.56	54		18	107
			2-Fluorobiphenyl	100	60.86	61		20	109
			2,4,6-Tribromophenol	150	71.96	48		10	110
			Terphenyl-d14	100	58.65	59		14	112
P2259-02	CONCRETE-2	BG061038.D	2-Fluorophenol	150	79.36	53		18	112
			Phenol-d6	150	63.84	43		15	107
			Nitrobenzene-d5	100	40.44	40		18	107
			2-Fluorobiphenyl	100	46.72	47		20	109
			2,4,6-Tribromophenol	150	56.37	38		10	110
			Terphenyl-d14	100	45.69	46		14	112
P2261-01	RO-RBR200059	BG061039.D	2-Fluorophenol	150	156.87	105		18	112
			Phenol-d6	150	120.97	81		15	107
			Nitrobenzene-d5	100	72.58	73		18	107
			2-Fluorobiphenyl	100	74.77	75		20	109
			2,4,6-Tribromophenol	150	114.79	77		10	110
			Terphenyl-d14	100	63.90	64		14	112
P2261-01MS	RO-RBR200059MSBG061040.D		2-Fluorophenol	150	131.44	88		18	112
			Phenol-d6	150	124.62	83		15	107
			Nitrobenzene-d5	100	65.71	66		18	107
			2-Fluorobiphenyl	100	71.22	71		20	109
			2,4,6-Tribromophenol	150	108.14	72		10	110
			Terphenyl-d14	100	59.08	59		14	112
P2261-01MSD	RO-RBR200059MSBG061041.D		2-Fluorophenol	150	141.12	94		18	112
			Phenol-d6	150	111.44	74		15	107
			Nitrobenzene-d5	100	64.69	65		18	107
			2-Fluorobiphenyl	100	68.87	69		20	109
			2,4,6-Tribromophenol	150	108.32	72		10	110
			Terphenyl-d14	100	59.54	60		14	112
P2262-01	HR-03-04242024	BG061044.D	2-Fluorophenol	150	82.36	55		18	112
			Phenol-d6	150	72.37	48		15	107
			Nitrobenzene-d5	100	46.89	47		18	107
			2-Fluorobiphenyl	100	55.10	55		20	109
			2,4,6-Tribromophenol	150	68.47	46		10	110
			Terphenyl-d14	100	49.89	50		14	112
P2262-03	HR-04-04242024	BG061043.D	2-Fluorophenol	150	122.53	82		18	112
			Phenol-d6	150	96.74	64		15	107
			Nitrobenzene-d5	100	60.32	60		18	107
			2-Fluorobiphenyl	100	71.04	71		20	109
			2,4,6-Tribromophenol	150	90.18	60		10	110
			Terphenyl-d14	100	65.13	65		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG042524

Lab Code: CHEM

SAS No.: BG042524

SDG NO.: BG042524

Lab File ID: BG061031.D

DFTPP Injection Date: 04/25/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.8
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	23.5
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	29.2
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	5.9
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BG061032.D	04/25/2024	10:27
PB160476BL	PB160476BL	BG061033.D	04/25/2024	11:18
SP-2-FRONTDL	P2127-01DL	BG061034.D	04/25/2024	12:22
SP-2-BACKDL	P2127-04DL	BG061035.D	04/25/2024	13:03
SP-1CDL	P2126-07DL	BG061036.D	04/25/2024	13:44
CONCRETE-1	P2259-01	BG061037.D	04/25/2024	14:35
CONCRETE-2	P2259-02	BG061038.D	04/25/2024	15:16
RO-RBR200059	P2261-01	BG061039.D	04/25/2024	15:58
RO-RBR200059MS	P2261-01MS	BG061040.D	04/25/2024	16:40
RO-RBR200059MSD	P2261-01MSD	BG061041.D	04/25/2024	17:21
OR-03-042424	P2258-01	BG061042.D	04/25/2024	18:03
HR-04-04242024	P2262-03	BG061043.D	04/25/2024	18:44
HR-03-04242024	P2262-01	BG061044.D	04/25/2024	19:26