

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG040324 SAS No.: BG040324 SDG No.: BG040324

Instrument ID: BNA_G Calibration Date/Time: 4/3/2024 12:09:50

Lab File ID: BG060756.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.887	1.144		28.974	
Pyridine	1.485	1.819		22.492	
2-Fluorophenol	1.201	1.474		22.731	
Benzaldehyde	0.983	0.949		-3.459	
Aniline	2.250	2.295		2.0	
Phenol-d6	1.782	1.861		4.433	
Phenol	1.819	1.875		3.079	20.0
bis(2-Chloroethyl) ether	1.468	1.423		-3.065	
2-Chlorophenol	1.361	1.414		3.894	
1,2-Dichlorobenzene	1.415	1.410		-0.353	
1,3-Dichlorobenzene	1.415	1.400		-1.06	
1,4-Dichlorobenzene	1.444	1.441		-0.208	20.0
Benzyl Alcohol	1.444	1.545		6.994	
2-Methylphenol	1.373	1.422		3.569	
2,2-oxybis(1-Chloropropane)	3.314	3.267		-1.418	
Acetophenone	0.551	0.571		3.63	
3+4-Methylphenols	1.880	1.964		4.468	
n-Nitroso-di-n-propylamine	1.359	1.411	0.050	3.826	
Nitrobenzene-d5	0.350	0.405		15.714	
Hexachloroethane	0.513	0.500		-2.534	
Nitrobenzene	0.352	0.399		13.352	
Isophorone	0.807	0.829		2.726	
2-Nitrophenol	0.120	0.167		39.167	20.0
2,4-Dimethylphenol	0.324	0.330		1.852	
bis(2-Chloroethoxy) methane	0.477	0.479		0.419	
2,4-Dichlorophenol	0.298	0.329		10.403	20.0
1,2,4-Trichlorobenzene	0.337	0.342		1.484	
Benzoic acid	0.191	0.277		45.026	
Naphthalene	1.082	1.090		0.739	
4-Chloroaniline	0.503	0.523		3.976	
Hexachlorobutadiene	0.225	0.232		3.111	20.0
Caprolactam	0.118	0.139		17.797	
4-Chloro-3-methylphenol	0.380	0.432		13.684	20.0
2-Methylnaphthalene	0.795	0.818		2.893	
Hexachlorocyclopentadiene	0.292	0.296	0.050	1.37	
2,4,6-Trichlorophenol	0.370	0.401		8.378	20.0
2-Fluorobiphenyl	1.363	1.305		-4.255	
2,4,5-Trichlorophenol	0.442	0.486		9.955	
1,1-Biphenyl	1.413	1.368		-3.185	

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Lab File ID: BG060756.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.073	1.051		-2.05	
2-Nitroaniline	0.307	0.414		34.853	
Dimethylphthalate	1.581	1.593		0.759	
Acenaphthylene	1.803	1.819		0.887	
2,6-Dinitrotoluene	0.247	0.326		31.984	
3-Nitroaniline	0.277	0.367		32.491	
Acenaphthene	1.132	1.162		2.65	20.0
2,4-Dinitrophenol	0.110	0.166	0.050	50.909	
4-Nitrophenol	0.231	0.303	0.050	31.169	
Dibenzofuran	1.786	1.803		0.952	
2,4-Dinitrotoluene	0.320	0.454		41.875	
Diethylphthalate	1.590	1.623		2.075	
4-Chlorophenyl-phenylether	0.758	0.775		2.243	
Fluorene	1.433	1.479		3.21	
4-Nitroaniline	0.289	0.382		32.18	
4,6-Dinitro-2-methylphenol	0.073	0.102		39.726	
n-Nitrosodiphenylamine	0.572	0.569		-0.524	20.0
Azobenzene	1.550	1.558		0.516	
2,4,6-Tribromophenol	0.227	0.292		28.634	
4-Bromophenyl-phenylether	0.203	0.218		7.389	
Hexachlorobenzene	0.229	0.230		0.437	
Atrazine	0.200	0.210		5.0	
Pentachlorophenol	0.150	0.177		18.0	20.0
Phenanthrene	1.040	1.030		-0.962	
Anthracene	1.056	1.067		1.042	
Carbazole	0.931	0.952		2.256	
Di-n-butylphthalate	1.161	1.163		0.172	
Fluoranthene	1.262	1.258		-0.317	20.0
Benzidine	0.527	0.530		0.569	
Pyrene	1.399	1.404		0.357	
Terphenyl-d14	1.136	1.105		-2.729	
Butylbenzylphthalate	0.510	0.563		10.392	
3,3-Dichlorobenzidine	0.476	0.511		7.353	
Benzo(a)anthracene	1.410	1.406		-0.284	
Chrysene	1.359	1.334		-1.84	
Bis(2-ethylhexyl)phthalate	0.813	0.836		2.829	
Di-n-octyl phthalate	1.325	1.465		10.566	20.0
Benzo(b)fluoranthene	1.149	1.133		-1.393	
Benzo(k)fluoranthene	1.176	1.145		-2.636	

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Lab Code: CHEM Case No.: BG040324 SAS No.: BG040324 SDG No.: BG040324

Instrument ID: BNA_G Calibration Date/Time: 4/3/2024 12:09:50

Lab File ID: BG060756.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.117	1.119		0.179	20.0
Indeno(1,2,3-cd)pyrene	1.408	1.410		0.142	
Dibenzo(a,h)anthracene	1.187	1.186		-0.084	
Benzo(g,h,i)perylene	1.155	1.155		0.0	
1,2,4,5-Tetrachlorobenzene	0.575	0.559		-2.783	
1,4-Dioxane	0.492	0.567		15.244	20.0
2,3,4,6-Tetrachlorophenol	0.385	0.449		16.623	
1-Methylnaphthalene	0.751	0.794		5.726	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BL	SDG No.:	BG040324
Lab Sample ID:	PB159882BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060757.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

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

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BL	SDG No.:	BG040324
Lab Sample ID:	PB159882BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060757.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

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

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BL	SDG No.:	BG040324
Lab Sample ID:	PB159882BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060757.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	179.633		10-139		120	SPK: -150
13127-88-3	Phenol-d6	131.919		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	101.55		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	84.197		52-132		84	SPK: -100

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BL	SDG No.:	BG040324
Lab Sample ID:	PB159882BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060757.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	182.222		32-145		121	SPK: -150
1718-51-0	Terphenyl-d14	85.307		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45099	7.958				
1146-65-2	Naphthalene-d8	183286	10.755				
15067-26-2	Acenaphthene-d10	145697	14.586				
1517-22-2	Phenanthrene-d10	411161	17.336				
1719-03-5	Chrysene-d12	445500	21.601				
1520-96-3	Perylene-d12	514914	24.739				

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BS	SDG No.:	BG040324
Lab Sample ID:	PB159882BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060758.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.6		1	8	10	ug/L
110-86-1	Pyridine	36.9		1.6	4	5	ug/L
100-52-7	Benzaldehyde	9	J	4	8	10	ug/L
62-53-3	Aniline	18.8		1.6	4	5	ug/L
108-95-2	Phenol	50.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	51.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.9		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	45.6		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.6		1.4	4	5	ug/L
98-86-2	Acetophenone	45.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	47.8		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.5		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46.2		1	4	5	ug/L
98-95-3	Nitrobenzene	46.7		1.3	4	5	ug/L
78-59-1	Isophorone	44.2		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	54.9		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	40.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	54.5		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47		1.1	4	5	ug/L
65-85-0	Benzoic acid	58.3		5.5	8	10	ug/L
91-20-3	Naphthalene	44		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	46.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BS	SDG No.:	BG040324
Lab Sample ID:	PB159882BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060758.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	53.6		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	93.6	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	52		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	50.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	43.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.9		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	54.3		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47.7		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	52.8		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	34.3		1.4	4	5	ug/L
83-32-9	Acenaphthene	52.1		0.81	4	5	ug/L
Total PAH	Total PAH	748.3		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	170	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	130	E	2	8	10	ug/L
132-64-9	Dibenzofuran	46.5		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	60.5		1.5	4	5	ug/L
84-66-2	Diethylphthalate	48.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.3		0.98	4	5	ug/L
86-73-7	Fluorene	48.1		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	60.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.3		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.1		0.89	4	5	ug/L
103-33-3	Azobenzene	46.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45.8		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	46.6		1.1	4	5	ug/L
1912-24-9	Atrazine	40.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BS	SDG No.:	BG040324
Lab Sample ID:	PB159882BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060758.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.4		0.89	4	5	ug/L
120-12-7	Anthracene	44.3		1.1	4	5	ug/L
86-74-8	Carbazole	45.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.7		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.9		1.3	4	5	ug/L
92-87-5	Benzidine	32.7		4.1	8	10	ug/L
129-00-0	Pyrene	45.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	49.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	37.6		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.8		0.94	4	5	ug/L
218-01-9	Chrysene	44.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.8		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	49.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	48.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.2		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.3		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47.1		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.7		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	41.5		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	57.2		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	44.3		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	178.039		10-139		119	SPK: -150
13127-88-3	Phenol-d6	134.967		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	99.259		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	81.671		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BS	SDG No.:	BG040324
Lab Sample ID:	PB159882BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060758.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	181.806		32-145		121	SPK: -150
1718-51-0	Terphenyl-d14	83.558		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50805	7.958				
1146-65-2	Naphthalene-d8	220659	10.761				
15067-26-2	Acenaphthene-d10	181120	14.592				
1517-22-2	Phenanthrene-d10	492550	17.335				
1719-03-5	Chrysene-d12	457691	21.601				
1520-96-3	Perylene-d12	511535	24.744				

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BSD	SDG No.:	BG040324
Lab Sample ID:	PB159882BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060759.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.4		1	8	10	ug/L
110-86-1	Pyridine	34.5		1.6	4	5	ug/L
100-52-7	Benzaldehyde	9.5	J	4	8	10	ug/L
62-53-3	Aniline	19.8		1.6	4	5	ug/L
108-95-2	Phenol	53.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	50.9		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.6		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.7		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.1		1.6	8	10	ug/L
95-48-7	2-Methylphenol	45.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.4		1.4	4	5	ug/L
98-86-2	Acetophenone	44.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	47		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.8		1	4	5	ug/L
98-95-3	Nitrobenzene	46.3		1.3	4	5	ug/L
78-59-1	Isophorone	42.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	53.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	39.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	53.7		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	56.3		5.5	8	10	ug/L
91-20-3	Naphthalene	42.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	43.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BSD	SDG No.:	BG040324
Lab Sample ID:	PB159882BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060759.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	53.1		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	51.6		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	93	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	49.6		1	4	5	ug/L
92-52-4	1,1-Biphenyl	42.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	53.9		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	51.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	33.7		1.4	4	5	ug/L
83-32-9	Acenaphthene	51.9		0.81	4	5	ug/L
Total PAH	Total PAH	729.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	170	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	130	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45.7		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	58.9		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	10.6		2.7	4	10	ug/L
84-66-2	Diethylphthalate	47.1		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.1		0.98	4	5	ug/L
86-73-7	Fluorene	47.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	61.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.7		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42		0.89	4	5	ug/L
103-33-3	Azobenzene	46.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.9		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.7		1.1	4	5	ug/L
1912-24-9	Atrazine	38		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BSD	SDG No.:	BG040324
Lab Sample ID:	PB159882BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060759.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	99.1	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43.2		0.89	4	5	ug/L
120-12-7	Anthracene	43.3		1.1	4	5	ug/L
86-74-8	Carbazole	45.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.1		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.3		1.3	4	5	ug/L
92-87-5	Benzidine	29.2		4.1	8	10	ug/L
129-00-0	Pyrene	43.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	48		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.1		0.94	4	5	ug/L
218-01-9	Chrysene	43.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.4		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	41.4		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	55.8		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.1		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	178.941		10-139		119	SPK: -150
13127-88-3	Phenol-d6	145.801		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	96.751		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	80.588		52-132		81	SPK: -100

Report of Analysis

Client:		Date Collected:	3/29/2024 12:00:00 AM
Project:		Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BSD	SDG No.:	BG040324
Lab Sample ID:	PB159882BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060759.D	1	3/29/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	179.035		32-145		119	SPK: -150
1718-51-0	Terphenyl-d14	81.988		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48750	7.958				
1146-65-2	Naphthalene-d8	219703	10.761				
15067-26-2	Acenaphthene-d10	177327	14.592				
1517-22-2	Phenanthrene-d10	483714	17.335				
1719-03-5	Chrysene-d12	455045	21.601				
1520-96-3	Perylene-d12	506824	24.744				

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR21147	SDG No.:	BG040324
Lab Sample ID:	P1954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060760.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	64.4	U	64.4	200	250	ug/Kg
110-86-1	Pyridine	59.3	U	59.3	96.5	130	ug/Kg
100-52-7	Benzaldehyde	140	U	140	200	250	ug/Kg
62-53-3	Aniline	71.9	U	71.9	96.5	130	ug/Kg
108-95-2	Phenol	61.5	U	61.5	96.5	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.1	U	62.1	96.5	130	ug/Kg
95-57-8	2-Chlorophenol	62	U	62	96.5	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	62.8	U	62.8	96.5	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.9	U	63.9	96.5	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	64.2	U	64.2	96.5	130	ug/Kg
100-51-6	Benzyl Alcohol	61.6	U	61.6	200	250	ug/Kg
95-48-7	2-Methylphenol	59.8	U	59.8	96.5	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.5	U	67.5	96.5	130	ug/Kg
98-86-2	Acetophenone	64.5	U	64.5	96.5	130	ug/Kg
65794-96-9	3+4-Methylphenols	59.2	U	59.2	200	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.9	U	29.9	59.4	59.4	ug/Kg
67-72-1	Hexachloroethane	61.6	U	61.6	96.5	130	ug/Kg
98-95-3	Nitrobenzene	67.4	U	67.4	96.5	130	ug/Kg
78-59-1	Isophorone	62.8	U	62.8	96.5	130	ug/Kg
88-75-5	2-Nitrophenol	70.2	U	70.2	96.5	130	ug/Kg
105-67-9	2,4-Dimethylphenol	69.2	U	69.2	96.5	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.7	U	63.7	96.5	130	ug/Kg
120-83-2	2,4-Dichlorophenol	56.1	U	56.1	96.5	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	63.4	U	63.4	96.5	130	ug/Kg
65-85-0	Benzoic acid	180	U	180	200	250	ug/Kg
91-20-3	Naphthalene	61.3	U	61.3	96.5	130	ug/Kg
106-47-8	4-Chloroaniline	61.3	U	61.3	96.5	130	ug/Kg
87-68-3	Hexachlorobutadiene	61.8	U	61.8	96.5	130	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR21147	SDG No.:	BG040324
Lab Sample ID:	P1954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
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
BG060760.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	64.4	U	64.4	200	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.5	U	57.5	96.5	130	ug/Kg
91-57-6	2-Methylnaphthalene	61.3	U	61.3	96.5	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	200	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53	U	53	96.5	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.9	U	54.9	96.5	130	ug/Kg
92-52-4	1,1-Biphenyl	64.9	U	64.9	96.5	130	ug/Kg
91-58-7	2-Chloronaphthalene	61.8	U	61.8	96.5	130	ug/Kg
88-74-4	2-Nitroaniline	70.5	U	70.5	96.5	130	ug/Kg
131-11-3	Dimethylphthalate	60.7	U	60.7	96.5	130	ug/Kg
208-96-8	Acenaphthylene	64.2	U	64.2	96.5	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.8	U	61.8	96.5	130	ug/Kg
99-09-2	3-Nitroaniline	66.2	U	66.2	96.5	130	ug/Kg
83-32-9	Acenaphthene	60.2	U	60.2	96.5	130	ug/Kg
Total PAH	Total PAH	983.8	U	983.8	96.5	2080	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	250	ug/Kg
100-02-7	4-Nitrophenol	86.1	U	86.1	200	250	ug/Kg
132-64-9	Dibenzofuran	62.7	U	62.7	96.5	130	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	125.8	U	125.8	96.5	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	64	U	64	96.5	130	ug/Kg
84-66-2	Diethylphthalate	59.5	U	59.5	96.5	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63.6	U	63.6	96.5	130	ug/Kg
86-73-7	Fluorene	63.5	U	63.5	96.5	130	ug/Kg
100-01-6	4-Nitroaniline	79.4	U	79.4	96.5	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.9	U	86.9	200	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60.6	U	60.6	96.5	130	ug/Kg
103-33-3	Azobenzene	59.1	U	59.1	96.5	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.6	U	58.6	96.5	130	ug/Kg
118-74-1	Hexachlorobenzene	63.1	U	63.1	96.5	130	ug/Kg
1912-24-9	Atrazine	67.9	U	67.9	96.5	130	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR21147	SDG No.:	BG040324
Lab Sample ID:	P1954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060760.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	57.4	U	57.4	200	250	ug/Kg
85-01-8	Phenanthrene	62.4	U	62.4	96.5	130	ug/Kg
120-12-7	Anthracene	62.7	U	62.7	96.5	130	ug/Kg
86-74-8	Carbazole	59.6	U	59.6	96.5	130	ug/Kg
84-74-2	Di-n-butylphthalate	62.6	U	62.6	96.5	130	ug/Kg
206-44-0	Fluoranthene	60.7	U	60.7	96.5	130	ug/Kg
92-87-5	Benzidine	120	U	120	200	250	ug/Kg
129-00-0	Pyrene	61.6	U	61.6	96.5	130	ug/Kg
85-68-7	Butylbenzylphthalate	71.9	U	71.9	96.5	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	73.2	U	73.2	200	250	ug/Kg
56-55-3	Benzo(a)anthracene	59.9	U	59.9	96.5	130	ug/Kg
218-01-9	Chrysene	59	U	59	96.5	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.6	U	67.6	96.5	130	ug/Kg
117-84-0	Di-n-octyl phthalate	81.7	U	81.7	200	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	60.2	U	60.2	96.5	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.3	U	61.3	96.5	130	ug/Kg
50-32-8	Benzo(a)pyrene	69	U	69	96.5	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	58	U	58	96.5	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.3	U	60.3	96.5	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59.5	U	59.5	96.5	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64.4	U	64.4	96.5	130	ug/Kg
123-91-1	1,4-Dioxane	81.7	U	81.7	96.5	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.5	U	55.5	96.5	130	ug/Kg
90-12-0	1-Methylnaphthalene	61.8	U	61.8	130	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.711		18-112		63	SPK: -150
13127-88-3	Phenol-d6	81.74		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	71.003		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	60.06		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR21147	SDG No.:	BG040324
Lab Sample ID:	P1954-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060760.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	110.728		10-110		74	SPK: -150
1718-51-0	Terphenyl-d14	59.25		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76452	7.958				
1146-65-2	Naphthalene-d8	299014	10.755				
15067-26-2	Acenaphthene-d10	216095	14.586				
1517-22-2	Phenanthrene-d10	511738	17.33				
1719-03-5	Chrysene-d12	489371	21.595				
1520-96-3	Perylene-d12	570212	24.738				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			3.176	
000142-82-5	Heptane	51.7	J			3.358	
000057-55-6	Propylene Glycol	83.2	J			3.693	
	unknown14.821	2300	J			14.821	
000057-10-3	n-Hexadecanoic acid	210	J			18.24	
001560-97-0	Dodecane, 2-methyl-	73.8	J			18.375	
000057-11-4	Octadecanoic acid	97.8	J			19.515	
035599-77-0	Tridecane, 1-iodo-	130	J			19.574	
025117-29-7	4-Methylheneicosane	140	J			20.479	
000112-04-9	Silane, trichlorooctadecyl-	300	J			21.284	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	160	J			22.189	
000544-76-3	Hexadecane	130	J			23.223	
1000406-31-8	Eicosane, 1-iodo-	100	J			24.415	

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BG040324
Lab Sample ID:	P1960-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	34.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060761.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	79.9	U	79.9	250	300	ug/Kg
110-86-1	Pyridine	73.6	U	73.6	120	160	ug/Kg
100-52-7	Benzaldehyde	170	U	170	250	300	ug/Kg
62-53-3	Aniline	89.2	U	89.2	120	160	ug/Kg
108-95-2	Phenol	76.3	U	76.3	120	160	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	77.1	U	77.1	120	160	ug/Kg
95-57-8	2-Chlorophenol	76.9	U	76.9	120	160	ug/Kg
95-50-1	1,2-Dichlorobenzene	77.9	U	77.9	120	160	ug/Kg
541-73-1	1,3-Dichlorobenzene	79.2	U	79.2	120	160	ug/Kg
106-46-7	1,4-Dichlorobenzene	79.6	U	79.6	120	160	ug/Kg
100-51-6	Benzyl Alcohol	76.4	U	76.4	250	300	ug/Kg
95-48-7	2-Methylphenol	74.2	U	74.2	120	160	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	83.7	U	83.7	120	160	ug/Kg
98-86-2	Acetophenone	80	U	80	120	160	ug/Kg
65794-96-9	3+4-Methylphenols	73.5	U	73.5	250	300	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.1	U	37.1	73.6	73.6	ug/Kg
67-72-1	Hexachloroethane	76.4	U	76.4	120	160	ug/Kg
98-95-3	Nitrobenzene	83.6	U	83.6	120	160	ug/Kg
78-59-1	Isophorone	77.9	U	77.9	120	160	ug/Kg
88-75-5	2-Nitrophenol	87	U	87	120	160	ug/Kg
105-67-9	2,4-Dimethylphenol	85.8	U	85.8	120	160	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	79	U	79	120	160	ug/Kg
120-83-2	2,4-Dichlorophenol	69.5	U	69.5	120	160	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	78.6	U	78.6	120	160	ug/Kg
65-85-0	Benzoic acid	220	U	220	250	300	ug/Kg
91-20-3	Naphthalene	76	U	76	120	160	ug/Kg
106-47-8	4-Chloroaniline	76	U	76	120	160	ug/Kg
87-68-3	Hexachlorobutadiene	76.7	U	76.7	120	160	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BG040324
Lab Sample ID:	P1960-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	34.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060761.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	79.9	U	79.9	250	300	ug/Kg
59-50-7	4-Chloro-3-methylphenol	71.3	U	71.3	120	160	ug/Kg
91-57-6	2-Methylnaphthalene	75.9	U	75.9	120	160	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	250	300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	65.7	U	65.7	120	160	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.1	U	68.1	120	160	ug/Kg
92-52-4	1,1-Biphenyl	80.5	U	80.5	120	160	ug/Kg
91-58-7	2-Chloronaphthalene	76.7	U	76.7	120	160	ug/Kg
88-74-4	2-Nitroaniline	87.5	U	87.5	120	160	ug/Kg
131-11-3	Dimethylphthalate	75.2	U	75.2	120	160	ug/Kg
208-96-8	Acenaphthylene	79.6	U	79.6	120	160	ug/Kg
606-20-2	2,6-Dinitrotoluene	76.6	U	76.6	120	160	ug/Kg
99-09-2	3-Nitroaniline	82.1	U	82.1	120	160	ug/Kg
83-32-9	Acenaphthene	74.7	U	74.7	120	160	ug/Kg
Total PAH	Total PAH	1219.7	U	1219.7	120	2560	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	250	300	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	250	300	ug/Kg
132-64-9	Dibenzofuran	77.7	U	77.7	120	160	ug/Kg
121-14-2	2,4-Dinitrotoluene	79.4	U	79.4	120	160	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	156	U	156	120	320	ug/Kg
84-66-2	Diethylphthalate	73.7	U	73.7	120	160	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	78.8	U	78.8	120	160	ug/Kg
86-73-7	Fluorene	78.7	U	78.7	120	160	ug/Kg
100-01-6	4-Nitroaniline	98.5	U	98.5	120	160	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	250	300	ug/Kg
86-30-6	n-Nitrosodiphenylamine	75.1	U	75.1	120	160	ug/Kg
103-33-3	Azobenzene	73.3	U	73.3	120	160	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.6	U	72.6	120	160	ug/Kg
118-74-1	Hexachlorobenzene	78.2	U	78.2	120	160	ug/Kg
1912-24-9	Atrazine	84.1	U	84.1	120	160	ug/Kg

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM		
Project:				Date Received:	4/2/2024 12:00:00 AM		
Client Sample ID:	20071			SDG No.:	BG040324		
Lab Sample ID:	P1960-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	34.9		
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060761.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	71.2	U	71.2	250	300	ug/Kg
85-01-8	Phenanthrene	77.3	U	77.3	120	160	ug/Kg
120-12-7	Anthracene	77.7	U	77.7	120	160	ug/Kg
86-74-8	Carbazole	73.9	U	73.9	120	160	ug/Kg
84-74-2	Di-n-butylphthalate	77.6	U	77.6	120	160	ug/Kg
206-44-0	Fluoranthene	75.2	U	75.2	120	160	ug/Kg
92-87-5	Benzidine	150	U	150	250	300	ug/Kg
129-00-0	Pyrene	76.4	U	76.4	120	160	ug/Kg
85-68-7	Butylbenzylphthalate	89.1	U	89.1	120	160	ug/Kg
91-94-1	3,3-Dichlorobenzidine	90.8	U	90.8	250	300	ug/Kg
56-55-3	Benzo(a)anthracene	74.3	U	74.3	120	160	ug/Kg
218-01-9	Chrysene	73.2	U	73.2	120	160	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	J	83.8	120	160	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	250	300	ug/Kg
205-99-2	Benzo(b)fluoranthene	74.7	U	74.7	120	160	ug/Kg
207-08-9	Benzo(k)fluoranthene	76	U	76	120	160	ug/Kg
50-32-8	Benzo(a)pyrene	85.6	U	85.6	120	160	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	71.9	U	71.9	120	160	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	74.7	U	74.7	120	160	ug/Kg
191-24-2	Benzo(g,h,i)perylene	73.7	U	73.7	120	160	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	79.9	U	79.9	120	160	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	120	160	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	68.8	U	68.8	120	160	ug/Kg
90-12-0	1-Methylnaphthalene	76.6	U	76.6	160	160	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	37.523		18-112		25	SPK: -150
13127-88-3	Phenol-d6	26.791		15-107		18	SPK: -150
4165-60-0	Nitrobenzene-d5	23.935		18-107		24	SPK: -100
321-60-8	2-Fluorobiphenyl	23.662		20-109		24	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BG040324
Lab Sample ID:	P1960-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	34.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060761.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	33.128		10-110		22	SPK: -150
1718-51-0	Terphenyl-d14	19.313		14-112		19	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84598	7.956				
1146-65-2	Naphthalene-d8	333410	10.753				
15067-26-2	Acenaphthene-d10	215033	14.589				
1517-22-2	Phenanthrene-d10	338072	17.374				
1719-03-5	Chrysene-d12	389195	21.616				
1520-96-3	Perylene-d12	494830	24.742				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	400	J			3.179	
000110-19-0	Isobutyl acetate	1600	J			4.149	
	unknown14.025	470	J			14.025	
000629-50-5	Tridecane	210	J			14.096	
313253-65-5	2-Pentanone, 4-cyclohexylidene-3,3	190	J			14.143	
000719-22-2	2,5-Cyclohexadiene-1,4-dione, 2,6-	98.8	J			14.254	
194288-97-6	4-[(2-Fluorophenyl)methyl]piperidi	200	J			14.342	
	unknown14.437	640	J			14.437	
	unknown14.507	210	J			14.507	
057289-16-4	2,6-Naphthalenedione, octahydro-1,	180	J			14.701	
073209-42-4	trans-Calamenene	180	J			14.93	
1000309-24-3	Oxalic acid, allyl pentadecyl este	360	J			15.142	
070412-52-1	2,11-Dioxabicyclo[4.4.1]undeca-3,5	910	J			15.406	
006418-41-3	Tridecane, 3-methyl-	770	J			15.9	
003891-99-4	2,6,10-Trimethyltridecane	610	J			16.399	

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	NM-DRUMS-040224	SDG No.:	BG040324
Lab Sample ID:	P1957-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060762.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	73.3	U	73.3	230	280	ug/Kg
110-86-1	Pyridine	67.5	U	67.5	110	140	ug/Kg
100-52-7	Benzaldehyde	150	U	150	230	280	ug/Kg
62-53-3	Aniline	81.9	U	81.9	110	140	ug/Kg
108-95-2	Phenol	70	U	70	110	140	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	70.7	U	70.7	110	140	ug/Kg
95-57-8	2-Chlorophenol	70.6	U	70.6	110	140	ug/Kg
95-50-1	1,2-Dichlorobenzene	71.5	U	71.5	110	140	ug/Kg
541-73-1	1,3-Dichlorobenzene	72.7	U	72.7	110	140	ug/Kg
106-46-7	1,4-Dichlorobenzene	73.1	U	73.1	110	140	ug/Kg
100-51-6	Benzyl Alcohol	70.1	U	70.1	230	280	ug/Kg
95-48-7	2-Methylphenol	68.1	U	68.1	110	140	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.8	U	76.8	110	140	ug/Kg
98-86-2	Acetophenone	73.4	U	73.4	110	140	ug/Kg
65794-96-9	3+4-Methylphenols	67.4	U	67.4	230	280	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	34	U	34	67.6	67.6	ug/Kg
67-72-1	Hexachloroethane	70.1	U	70.1	110	140	ug/Kg
98-95-3	Nitrobenzene	76.7	U	76.7	110	140	ug/Kg
78-59-1	Isophorone	71.5	U	71.5	110	140	ug/Kg
88-75-5	2-Nitrophenol	79.8	U	79.8	110	140	ug/Kg
105-67-9	2,4-Dimethylphenol	78.7	U	78.7	110	140	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.5	U	72.5	110	140	ug/Kg
120-83-2	2,4-Dichlorophenol	63.8	U	63.8	110	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	72.2	U	72.2	110	140	ug/Kg
65-85-0	Benzoic acid	200	U	200	230	280	ug/Kg
91-20-3	Naphthalene	100	J	69.8	110	140	ug/Kg
106-47-8	4-Chloroaniline	69.8	U	69.8	110	140	ug/Kg
87-68-3	Hexachlorobutadiene	70.4	U	70.4	110	140	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	NM-DRUMS-040224	SDG No.:	BG040324
Lab Sample ID:	P1957-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
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
BG060762.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	73.3	U	73.3	230	280	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65.5	U	65.5	110	140	ug/Kg
91-57-6	2-Methylnaphthalene	69.7	U	69.7	110	140	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	230	280	ug/Kg
88-06-2	2,4,6-Trichlorophenol	60.3	U	60.3	110	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.5	U	62.5	110	140	ug/Kg
92-52-4	1,1-Biphenyl	73.8	U	73.8	110	140	ug/Kg
91-58-7	2-Chloronaphthalene	70.4	U	70.4	110	140	ug/Kg
88-74-4	2-Nitroaniline	80.3	U	80.3	110	140	ug/Kg
131-11-3	Dimethylphthalate	69	U	69	110	140	ug/Kg
208-96-8	Acenaphthylene	73.1	U	73.1	110	140	ug/Kg
606-20-2	2,6-Dinitrotoluene	70.3	U	70.3	110	140	ug/Kg
99-09-2	3-Nitroaniline	75.4	U	75.4	110	140	ug/Kg
83-32-9	Acenaphthene	120	J	68.5	110	140	ug/Kg
Total PAH	Total PAH	4970		1119.6	110	2240	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	230	280	ug/Kg
100-02-7	4-Nitrophenol	98	U	98	230	280	ug/Kg
132-64-9	Dibenzofuran	78.6	J	71.3	110	140	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	143.1	U	143.1	110	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.8	U	72.8	110	140	ug/Kg
84-66-2	Diethylphthalate	67.7	U	67.7	110	140	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	72.3	U	72.3	110	140	ug/Kg
86-73-7	Fluorene	150		72.2	110	140	ug/Kg
100-01-6	4-Nitroaniline	90.4	U	90.4	110	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	98.9	U	98.9	230	280	ug/Kg
86-30-6	n-Nitrosodiphenylamine	68.9	U	68.9	110	140	ug/Kg
103-33-3	Azobenzene	67.3	U	67.3	110	140	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.7	U	66.7	110	140	ug/Kg
118-74-1	Hexachlorobenzene	71.8	U	71.8	110	140	ug/Kg
1912-24-9	Atrazine	77.2	U	77.2	110	140	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	NM-DRUMS-040224	SDG No.:	BG040324
Lab Sample ID:	P1957-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
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
BG060762.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	65.3	U	65.3	230	280	ug/Kg
85-01-8	Phenanthrene	1000		71	110	140	ug/Kg
120-12-7	Anthracene	200		71.3	110	140	ug/Kg
86-74-8	Carbazole	69.1	J	67.8	110	140	ug/Kg
84-74-2	Di-n-butylphthalate	71.2	U	71.2	110	140	ug/Kg
206-44-0	Fluoranthene	880		69	110	140	ug/Kg
92-87-5	Benzidine	140	U	140	230	280	ug/Kg
129-00-0	Pyrene	860		70.1	110	140	ug/Kg
85-68-7	Butylbenzylphthalate	81.8	U	81.8	110	140	ug/Kg
91-94-1	3,3-Dichlorobenzidine	83.3	U	83.3	230	280	ug/Kg
56-55-3	Benzo(a)anthracene	360		68.2	110	140	ug/Kg
218-01-9	Chrysene	340		67.2	110	140	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.9	U	76.9	110	140	ug/Kg
117-84-0	Di-n-octyl phthalate	92.9	U	92.9	230	280	ug/Kg
205-99-2	Benzo(b)fluoranthene	320		68.5	110	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	69.8	110	140	ug/Kg
50-32-8	Benzo(a)pyrene	280		78.6	110	140	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	66	110	140	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.6	U	68.6	110	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	67.7	110	140	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	73.3	U	73.3	110	140	ug/Kg
123-91-1	1,4-Dioxane	92.9	U	92.9	110	140	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	63.1	U	63.1	110	140	ug/Kg
90-12-0	1-Methylnaphthalene	70.3	U	70.3	140	140	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103.19		18-112		69	SPK: -150
13127-88-3	Phenol-d6	92.645		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	67.332		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	53.309		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	NM-DRUMS-040224	SDG No.:	BG040324
Lab Sample ID:	P1957-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
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
BG060762.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	111.395		10-110		74	SPK: -150
1718-51-0	Terphenyl-d14	48.819		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69141	7.959				
1146-65-2	Naphthalene-d8	258939	10.756				
15067-26-2	Acenaphthene-d10	196585	14.587				
1517-22-2	Phenanthrene-d10	482689	17.331				
1719-03-5	Chrysene-d12	435524	21.596				
1520-96-3	Perylene-d12	524813	24.739				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			3.176	
000067-63-0	Isopropyl Alcohol	78	J			3.688	
000779-02-2	Anthracene, 9-methyl-	160	J			18.212	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	300	J			18.259	
000832-69-9	Phenanthrene, 1-methyl-	72.7	J			18.341	
000203-64-5	4H-Cyclopenta[def]phenanthrene	270	J			18.406	
000610-48-0	Anthracene, 1-methyl-	90.1	J			18.441	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	90.4	J			18.711	
000781-43-1	9,10-Dimethylanthracene	91.3	J			19.128	
000238-84-6	11H-Benzo[a]fluorene	62.5	J			20.074	
002381-21-7	Pyrene, 1-methyl-	83.6	J			20.245	
000243-17-4	11H-Benzo[b]fluorene	78	J			20.345	
000198-55-0	Perylene	230	J			24.452	

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010	SDG No.:	BG040324
Lab Sample ID:	P1956-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060763.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.1	U	63.1	200	240	ug/Kg
110-86-1	Pyridine	58.1	U	58.1	94.5	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	70.4	U	70.4	94.5	120	ug/Kg
108-95-2	Phenol	60.3	U	60.3	94.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.8	U	60.8	94.5	120	ug/Kg
95-57-8	2-Chlorophenol	60.7	U	60.7	94.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	61.5	U	61.5	94.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.5	U	62.5	94.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	62.9	U	62.9	94.5	120	ug/Kg
100-51-6	Benzyl Alcohol	60.3	U	60.3	200	240	ug/Kg
95-48-7	2-Methylphenol	58.6	U	58.6	94.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.1	U	66.1	94.5	120	ug/Kg
98-86-2	Acetophenone	63.2	U	63.2	94.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	58	U	58	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.3	U	29.3	58.1	58.1	ug/Kg
67-72-1	Hexachloroethane	60.3	U	60.3	94.5	120	ug/Kg
98-95-3	Nitrobenzene	66	U	66	94.5	120	ug/Kg
78-59-1	Isophorone	61.5	U	61.5	94.5	120	ug/Kg
88-75-5	2-Nitrophenol	68.7	U	68.7	94.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.7	U	67.7	94.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.4	U	62.4	94.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.9	U	54.9	94.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.1	U	62.1	94.5	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	60	U	60	94.5	120	ug/Kg
106-47-8	4-Chloroaniline	60	U	60	94.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.5	U	60.5	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010	SDG No.:	BG040324
Lab Sample ID:	P1956-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.09 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
BG060763.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	63.1	U	63.1	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.3	U	56.3	94.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	60	U	60	94.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.9	U	51.9	94.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53.8	U	53.8	94.5	120	ug/Kg
92-52-4	1,1-Biphenyl	63.5	U	63.5	94.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.5	U	60.5	94.5	120	ug/Kg
88-74-4	2-Nitroaniline	69.1	U	69.1	94.5	120	ug/Kg
131-11-3	Dimethylphthalate	59.4	U	59.4	94.5	120	ug/Kg
208-96-8	Acenaphthylene	62.9	U	62.9	94.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.5	U	60.5	94.5	120	ug/Kg
99-09-2	3-Nitroaniline	64.8	U	64.8	94.5	120	ug/Kg
83-32-9	Acenaphthene	58.9	U	58.9	94.5	120	ug/Kg
Total PAH	Total PAH	963	U	963	94.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	84.3	U	84.3	200	240	ug/Kg
132-64-9	Dibenzofuran	61.3	U	61.3	94.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	62.7	U	62.7	94.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	23.2	U	123.2	94.5	240	ug/Kg
84-66-2	Diethylphthalate	58.2	U	58.2	94.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.2	U	62.2	94.5	120	ug/Kg
86-73-7	Fluorene	62.1	U	62.1	94.5	120	ug/Kg
100-01-6	4-Nitroaniline	77.8	U	77.8	94.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85	U	85	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.3	U	59.3	94.5	120	ug/Kg
103-33-3	Azobenzene	57.9	U	57.9	94.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57.3	U	57.3	94.5	120	ug/Kg
118-74-1	Hexachlorobenzene	61.8	U	61.8	94.5	120	ug/Kg
1912-24-9	Atrazine	66.4	U	66.4	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010	SDG No.:	BG040324
Lab Sample ID:	P1956-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060763.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	56.2	U	56.2	200	240	ug/Kg
85-01-8	Phenanthrene	61.1	U	61.1	94.5	120	ug/Kg
120-12-7	Anthracene	61.3	U	61.3	94.5	120	ug/Kg
86-74-8	Carbazole	58.4	U	58.4	94.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.3	U	61.3	94.5	120	ug/Kg
206-44-0	Fluoranthene	77.4	J	59.4	94.5	120	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	95.2	J	60.3	94.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.4	U	70.4	94.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	71.7	U	71.7	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	58.7	U	58.7	94.5	120	ug/Kg
218-01-9	Chrysene	69.2	J	57.8	94.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.1	U	66.1	94.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80	U	80	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	78.6	J	58.9	94.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60	U	60	94.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	67.6	U	67.6	94.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	56.8	U	56.8	94.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59	U	59	94.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.2	U	58.2	94.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.1	U	63.1	94.5	120	ug/Kg
123-91-1	1,4-Dioxane	80	U	80	94.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.3	U	54.3	94.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	60.5	U	60.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	112.413		18-112		75	SPK: -150
13127-88-3	Phenol-d6	82.625		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	69.237		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	61.444		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010	SDG No.:	BG040324
Lab Sample ID:	P1956-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060763.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	118.653		10-110		79	SPK: -150
1718-51-0	Terphenyl-d14	61.185		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72691	7.958				
1146-65-2	Naphthalene-d8	282238	10.755				
15067-26-2	Acenaphthene-d10	197109	14.586				
1517-22-2	Phenanthrene-d10	464158	17.33				
1719-03-5	Chrysene-d12	448520	21.595				
1520-96-3	Perylene-d12	542350	24.739				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	990	J			3.182	
	unknown3.693	82.6	J			3.693	
000057-10-3	n-Hexadecanoic acid	200	J			18.246	
000057-11-4	Octadecanoic acid	80.2	J			19.521	
000123-79-5	Hexanedioic acid, dioctyl ester	51.4	J			20.738	
001599-67-3	1-Docosene	85.8	J			21.278	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	98.6	J			22.806	

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MS	SDG No.:	BG040324
Lab Sample ID:	P1956-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060764.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		63.2	200	240	ug/Kg
110-86-1	Pyridine	860		58.1	94.6	120	ug/Kg
100-52-7	Benzaldehyde	160	J	130	200	240	ug/Kg
62-53-3	Aniline	310		70.5	94.6	120	ug/Kg
108-95-2	Phenol	940		60.3	94.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	810		60.9	94.6	120	ug/Kg
95-57-8	2-Chlorophenol	950		60.8	94.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	990		61.6	94.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	980		62.6	94.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		62.9	94.6	120	ug/Kg
100-51-6	Benzyl Alcohol	880		60.4	200	240	ug/Kg
95-48-7	2-Methylphenol	860		58.6	94.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		66.1	94.6	120	ug/Kg
98-86-2	Acetophenone	920		63.2	94.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	850		58.1	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	790		29.3	58.2	58.2	ug/Kg
67-72-1	Hexachloroethane	1000		60.4	94.6	120	ug/Kg
98-95-3	Nitrobenzene	970		66.1	94.6	120	ug/Kg
78-59-1	Isophorone	870		61.6	94.6	120	ug/Kg
88-75-5	2-Nitrophenol	1200		68.8	94.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	730		67.8	94.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	850		62.4	94.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		54.9	94.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		62.1	94.6	120	ug/Kg
65-85-0	Benzoic acid	1100		170	200	240	ug/Kg
91-20-3	Naphthalene	940		60.1	94.6	120	ug/Kg
106-47-8	4-Chloroaniline	260		60.1	94.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		60.6	94.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MS	SDG No.:	BG040324
Lab Sample ID:	P1956-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BG060764.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	900		63.2	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		56.4	94.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	900		60	94.6	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1400		110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		51.9	94.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		53.8	94.6	120	ug/Kg
92-52-4	1,1-Biphenyl	940		63.6	94.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	980		60.6	94.6	120	ug/Kg
88-74-4	2-Nitroaniline	1100		69.1	94.6	120	ug/Kg
131-11-3	Dimethylphthalate	870		59.4	94.6	120	ug/Kg
208-96-8	Acenaphthylene	990		62.9	94.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		60.5	94.6	120	ug/Kg
99-09-2	3-Nitroaniline	640		64.9	94.6	120	ug/Kg
83-32-9	Acenaphthene	1000		59	94.6	120	ug/Kg
Total PAH	Total PAH	15360		964	94.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	2300	E	84.4	200	240	ug/Kg
132-64-9	Dibenzofuran	940		61.4	94.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		123.2	94.6	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		62.7	94.6	120	ug/Kg
84-66-2	Diethylphthalate	890		58.3	94.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		62.3	94.6	120	ug/Kg
86-73-7	Fluorene	940		62.2	94.6	120	ug/Kg
100-01-6	4-Nitroaniline	1000		77.9	94.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	970		85.1	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	940		59.4	94.6	120	ug/Kg
103-33-3	Azobenzene	930		57.9	94.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		57.4	94.6	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		61.8	94.6	120	ug/Kg
1912-24-9	Atrazine	1000		66.5	94.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MS	SDG No.:	BG040324
Lab Sample ID:	P1956-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BG060764.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2300	E	56.2	200	240	ug/Kg
85-01-8	Phenanthrene	970		61.1	94.6	120	ug/Kg
120-12-7	Anthracene	960		61.4	94.6	120	ug/Kg
86-74-8	Carbazole	970		58.4	94.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	940		61.3	94.6	120	ug/Kg
206-44-0	Fluoranthene	1000		59.4	94.6	120	ug/Kg
92-87-5	Benzidine	1000		120	200	240	ug/Kg
129-00-0	Pyrene	1000		60.4	94.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	1000		70.4	94.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		71.7	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1000		58.7	94.6	120	ug/Kg
218-01-9	Chrysene	1000		57.8	94.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	970		66.2	94.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		80	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		59	94.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	990		60.1	94.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	990		67.7	94.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910		56.8	94.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	900		59.1	94.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	770		58.3	94.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		63.2	94.6	120	ug/Kg
123-91-1	1,4-Dioxane	970		80	94.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		54.3	94.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	890		60.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.62		18-112		71	SPK: -150
13127-88-3	Phenol-d6	78.497		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	62.958		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	54.966		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MS	SDG No.:	BG040324
Lab Sample ID:	P1956-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BG060764.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	111.028		10-110		74	SPK: -150
1718-51-0	Terphenyl-d14	57.291		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69765	7.959				
1146-65-2	Naphthalene-d8	287781	10.755				
15067-26-2	Acenaphthene-d10	213925	14.586				
1517-22-2	Phenanthrene-d10	504358	17.336				
1719-03-5	Chrysene-d12	476509	21.601				
1520-96-3	Perylene-d12	568571	24.745				

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MSD	SDG No.:	BG040324
Lab Sample ID:	P1956-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060765.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		63.2	200	240	ug/Kg
110-86-1	Pyridine	920		58.2	94.6	120	ug/Kg
100-52-7	Benzaldehyde	170	J	130	200	240	ug/Kg
62-53-3	Aniline	340		70.5	94.6	120	ug/Kg
108-95-2	Phenol	1000		60.3	94.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	890		60.9	94.6	120	ug/Kg
95-57-8	2-Chlorophenol	1000		60.8	94.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		61.6	94.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		62.6	94.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		63	94.6	120	ug/Kg
100-51-6	Benzyl Alcohol	930		60.4	200	240	ug/Kg
95-48-7	2-Methylphenol	910		58.7	94.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	990		66.2	94.6	120	ug/Kg
98-86-2	Acetophenone	1000		63.3	94.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	910		58.1	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		29.3	58.2	58.2	ug/Kg
67-72-1	Hexachloroethane	1100		60.4	94.6	120	ug/Kg
98-95-3	Nitrobenzene	1100		66.1	94.6	120	ug/Kg
78-59-1	Isophorone	960		61.6	94.6	120	ug/Kg
88-75-5	2-Nitrophenol	1300		68.8	94.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	790		67.8	94.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	930		62.5	94.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		55	94.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		62.2	94.6	120	ug/Kg
65-85-0	Benzoic acid	1200		170	200	240	ug/Kg
91-20-3	Naphthalene	1000		60.1	94.6	120	ug/Kg
106-47-8	4-Chloroaniline	260		60.1	94.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1200		60.6	94.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MSD	SDG No.:	BG040324
Lab Sample ID:	P1956-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BG060765.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	950		63.2	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		56.4	94.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	970		60	94.6	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		52	94.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		53.9	94.6	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		63.6	94.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		60.6	94.6	120	ug/Kg
88-74-4	2-Nitroaniline	1200		69.1	94.6	120	ug/Kg
131-11-3	Dimethylphthalate	950		59.5	94.6	120	ug/Kg
208-96-8	Acenaphthylene	1100		63	94.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		60.6	94.6	120	ug/Kg
99-09-2	3-Nitroaniline	690		64.9	94.6	120	ug/Kg
83-32-9	Acenaphthene	1100		59	94.6	120	ug/Kg
Total PAH	Total PAH	16750		964.3	94.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2600	E	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	2600	E	84.4	200	240	ug/Kg
132-64-9	Dibenzofuran	1000		61.4	94.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		123.3	94.6	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		62.7	94.6	120	ug/Kg
84-66-2	Diethylphthalate	970		58.3	94.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		62.3	94.6	120	ug/Kg
86-73-7	Fluorene	1000		62.2	94.6	120	ug/Kg
100-01-6	4-Nitroaniline	1100		77.9	94.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		85.2	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		59.4	94.6	120	ug/Kg
103-33-3	Azobenzene	1000		57.9	94.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		57.4	94.6	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		61.9	94.6	120	ug/Kg
1912-24-9	Atrazine	1100		66.5	94.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MSD	SDG No.:	BG040324
Lab Sample ID:	P1956-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BG060765.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2400	E	56.3	200	240	ug/Kg
85-01-8	Phenanthrene	1000		61.1	94.6	120	ug/Kg
120-12-7	Anthracene	1000		61.4	94.6	120	ug/Kg
86-74-8	Carbazole	1000		58.4	94.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		61.4	94.6	120	ug/Kg
206-44-0	Fluoranthene	1100		59.5	94.6	120	ug/Kg
92-87-5	Benzidine	1100		120	200	240	ug/Kg
129-00-0	Pyrene	1100		60.4	94.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		70.5	94.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	810		71.8	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		58.7	94.6	120	ug/Kg
218-01-9	Chrysene	1100		57.9	94.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		66.2	94.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		80.1	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		59	94.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		60.1	94.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		67.7	94.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		56.8	94.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	990		59.1	94.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		58.3	94.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		63.2	94.6	120	ug/Kg
123-91-1	1,4-Dioxane	1100		80.1	94.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		54.4	94.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	950		60.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.122		18-112		77	SPK: -150
13127-88-3	Phenol-d6	83.574		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	71.197		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	60.261		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RBR200010MSD	SDG No.:	BG040324
Lab Sample ID:	P1956-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BG060765.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	119.881		10-110		80	SPK: -150
1718-51-0	Terphenyl-d14	62.02		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72787	7.959				
1146-65-2	Naphthalene-d8	291796	10.755				
15067-26-2	Acenaphthene-d10	212425	14.586				
1517-22-2	Phenanthrene-d10	507315	17.336				
1719-03-5	Chrysene-d12	461719	21.602				
1520-96-3	Perylene-d12	553585	24.745				

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	CHRT-20103	SDG No.:	BG040324
Lab Sample ID:	P1955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	55.5
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060766.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

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	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	360	440	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	440	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.3	U	54.3	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	110	U	110	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	360	440	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	CHRT-20103	SDG No.:	BG040324
Lab Sample ID:	P1955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	55.5
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060766.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

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	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	96.2	U	96.2	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.7	U	99.7	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	1800	U	1800	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	360	440	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	360	440	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	180	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	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	180	230	ug/Kg
1912-24-9	Atrazine	120	U	120	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	CHRT-20103	SDG No.:	BG040324
Lab Sample ID:	P1955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	55.5
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060766.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

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	110	U	110	180	230	ug/Kg
120-12-7	Anthracene	110	U	110	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	180	230	ug/Kg
206-44-0	Fluoranthene	110	U	110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	110	U	110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	230	ug/Kg
218-01-9	Chrysene	110	U	110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250		120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.191		18-112		63	SPK: -150
13127-88-3	Phenol-d6	85.732		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	67.987		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	43.085		20-109		43	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	CHRT-20103	SDG No.:	BG040324
Lab Sample ID:	P1955-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	55.5
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
BG060766.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.442		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	38.367		14-112		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74429	7.958				
1146-65-2	Naphthalene-d8	303496	10.755				
15067-26-2	Acenaphthene-d10	220578	14.585				
1517-22-2	Phenanthrene-d10	491640	17.335				
1719-03-5	Chrysene-d12	457891	21.601				
1520-96-3	Perylene-d12	564325	24.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			3.175	
004439-24-1	Ethylene glycol monoisobutyl ether	260	J			10.531	
	unknown14.021	120	J			14.021	
	unknown14.339	90.7	J			14.339	
	unknown14.427	160	J			14.427	
1000351-89-1	Octatriacontyl pentafluoropropiona	120	J			15.132	
	unknown15.390	270	J			15.39	
055045-11-9	Tridecane, 5-propyl-	530	J			16.354	
017302-32-8	Nonane, 3,7-dimethyl-	510	J			17.177	

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM		
Project:				Date Received:	4/2/2024 12:00:00 AM		
Client Sample ID:	VNJ-207			SDG No.:	BG040324		
Lab Sample ID:	P1958-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	18.4		
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060767.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.8	U	63.8	200	240	ug/Kg
110-86-1	Pyridine	58.7	U	58.7	95.5	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	71.2	U	71.2	95.5	120	ug/Kg
108-95-2	Phenol	60.9	U	60.9	95.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.5	U	61.5	95.5	120	ug/Kg
95-57-8	2-Chlorophenol	61.4	U	61.4	95.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	62.2	U	62.2	95.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.2	U	63.2	95.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	63.6	U	63.6	95.5	120	ug/Kg
100-51-6	Benzyl Alcohol	61	U	61	200	240	ug/Kg
95-48-7	2-Methylphenol	59.2	U	59.2	95.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.8	U	66.8	95.5	120	ug/Kg
98-86-2	Acetophenone	63.9	U	63.9	95.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	58.6	U	58.6	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.6	U	29.6	58.8	58.8	ug/Kg
67-72-1	Hexachloroethane	61	U	61	95.5	120	ug/Kg
98-95-3	Nitrobenzene	66.7	U	66.7	95.5	120	ug/Kg
78-59-1	Isophorone	62.2	U	62.2	95.5	120	ug/Kg
88-75-5	2-Nitrophenol	69.4	U	69.4	95.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.5	U	68.5	95.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.1	U	63.1	95.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.5	U	55.5	95.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.8	U	62.8	95.5	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	60.7	U	60.7	95.5	120	ug/Kg
106-47-8	4-Chloroaniline	60.7	U	60.7	95.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	61.2	U	61.2	95.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	VNJ-207	SDG No.:	BG040324
Lab Sample ID:	P1958-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BG060767.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	63.8	U	63.8	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57	U	57	95.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	60.6	U	60.6	95.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.5	U	52.5	95.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.4	U	54.4	95.5	120	ug/Kg
92-52-4	1,1-Biphenyl	64.2	U	64.2	95.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.2	U	61.2	95.5	120	ug/Kg
88-74-4	2-Nitroaniline	69.8	U	69.8	95.5	120	ug/Kg
131-11-3	Dimethylphthalate	60	U	60	95.5	120	ug/Kg
208-96-8	Acenaphthylene	63.6	U	63.6	95.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.1	U	61.1	95.5	120	ug/Kg
99-09-2	3-Nitroaniline	65.5	U	65.5	95.5	120	ug/Kg
83-32-9	Acenaphthene	59.6	U	59.6	95.5	120	ug/Kg
Total PAH	Total PAH	973.7	U	973.7	95.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	85.2	U	85.2	200	240	ug/Kg
132-64-9	Dibenzofuran	62	U	62	95.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	124.4	U	124.4	95.5	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.3	U	63.3	95.5	120	ug/Kg
84-66-2	Diethylphthalate	58.9	U	58.9	95.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.9	U	62.9	95.5	120	ug/Kg
86-73-7	Fluorene	62.8	U	62.8	95.5	120	ug/Kg
100-01-6	4-Nitroaniline	78.6	U	78.6	95.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86	U	86	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60	U	60	95.5	120	ug/Kg
103-33-3	Azobenzene	58.5	U	58.5	95.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58	U	58	95.5	120	ug/Kg
118-74-1	Hexachlorobenzene	62.5	U	62.5	95.5	120	ug/Kg
1912-24-9	Atrazine	67.2	U	67.2	95.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	VNJ-207	SDG No.:	BG040324
Lab Sample ID:	P1958-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BG060767.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	56.8	U	56.8	200	240	ug/Kg
85-01-8	Phenanthrene	61.7	U	61.7	95.5	120	ug/Kg
120-12-7	Anthracene	62	U	62	95.5	120	ug/Kg
86-74-8	Carbazole	59	U	59	95.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.9	U	61.9	95.5	120	ug/Kg
206-44-0	Fluoranthene	120		60	95.5	120	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	110	J	61	95.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.1	U	71.1	95.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	72.5	U	72.5	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	59.3	U	59.3	95.5	120	ug/Kg
218-01-9	Chrysene	75.2	J	58.4	95.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.9	U	66.9	95.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80.8	U	80.8	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.2	J	59.6	95.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.7	U	60.7	95.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.3	U	68.3	95.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57.4	U	57.4	95.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.7	U	59.7	95.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.9	U	58.9	95.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.8	U	63.8	95.5	120	ug/Kg
123-91-1	1,4-Dioxane	80.8	U	80.8	95.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.9	U	54.9	95.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.1	U	61.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.763		18-112		78	SPK: -150
13127-88-3	Phenol-d6	85.96		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	71.15		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	59.088		20-109		59	SPK: -100

Report of Analysis

Client:		Date Collected:	4/2/2024 12:00:00 AM
Project:		Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	VNJ-207	SDG No.:	BG040324
Lab Sample ID:	P1958-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.4
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
BG060767.D	1	4/3/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	118.387		10-110		79	SPK: -150
1718-51-0	Terphenyl-d14	55.032		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67924	7.958				
1146-65-2	Naphthalene-d8	270297	10.755				
15067-26-2	Acenaphthene-d10	191104	14.586				
1517-22-2	Phenanthrene-d10	456399	17.335				
1719-03-5	Chrysene-d12	428864	21.595				
1520-96-3	Perylene-d12	514440	24.739				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			3.176	
004254-15-3	(S)-(+)-1,2-Propanediol	80.1	J			3.687	
000544-76-3	Hexadecane	55.6	J			15.455	
000629-50-5	Tridecane	65.2	J			16.319	
006117-97-1	Dodecane, 4-methyl-	56.6	J			17.118	
000629-92-5	Nonadecane	50.5	J			17.858	
000057-10-3	n-Hexadecanoic acid	330	J			18.246	
000630-02-4	Octacosane	68.3	J			19.186	
000057-11-4	Octadecanoic acid	160	J			19.521	
010192-32-2	1-Tetracosene	86.5	J			21.278	

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RT	SDG No.:	BG040324
Lab Sample ID:	P1894-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060768.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	69	U	69	210	260	ug/Kg
110-86-1	Pyridine	63.5	U	63.5	100	140	ug/Kg
100-52-7	Benzaldehyde	140	U	140	210	260	ug/Kg
62-53-3	Aniline	77	U	77	100	140	ug/Kg
108-95-2	Phenol	65.9	U	65.9	100	140	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	66.6	U	66.6	100	140	ug/Kg
95-57-8	2-Chlorophenol	66.4	U	66.4	100	140	ug/Kg
95-50-1	1,2-Dichlorobenzene	67.3	U	67.3	100	140	ug/Kg
541-73-1	1,3-Dichlorobenzene	68.4	U	68.4	100	140	ug/Kg
106-46-7	1,4-Dichlorobenzene	68.8	U	68.8	100	140	ug/Kg
100-51-6	Benzyl Alcohol	66	U	66	210	260	ug/Kg
95-48-7	2-Methylphenol	64.1	U	64.1	100	140	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.3	U	72.3	100	140	ug/Kg
98-86-2	Acetophenone	69.1	U	69.1	100	140	ug/Kg
65794-96-9	3+4-Methylphenols	63.5	U	63.5	210	260	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	32	U	32	63.6	63.6	ug/Kg
67-72-1	Hexachloroethane	66	U	66	100	140	ug/Kg
98-95-3	Nitrobenzene	72.2	U	72.2	100	140	ug/Kg
78-59-1	Isophorone	67.3	U	67.3	100	140	ug/Kg
88-75-5	2-Nitrophenol	75.1	U	75.1	100	140	ug/Kg
105-67-9	2,4-Dimethylphenol	74.1	U	74.1	100	140	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	68.2	U	68.2	100	140	ug/Kg
120-83-2	2,4-Dichlorophenol	60	U	60	100	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	67.9	U	67.9	100	140	ug/Kg
65-85-0	Benzoic acid	210	J	190	210	260	ug/Kg
91-20-3	Naphthalene	65.7	U	65.7	100	140	ug/Kg
106-47-8	4-Chloroaniline	65.7	U	65.7	100	140	ug/Kg
87-68-3	Hexachlorobutadiene	66.2	U	66.2	100	140	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RT	SDG No.:	BG040324
Lab Sample ID:	P1894-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060768.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	69	U	69	210	260	ug/Kg
59-50-7	4-Chloro-3-methylphenol	61.6	U	61.6	100	140	ug/Kg
91-57-6	2-Methylnaphthalene	65.6	U	65.6	100	140	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	210	260	ug/Kg
88-06-2	2,4,6-Trichlorophenol	56.8	U	56.8	100	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.8	U	58.8	100	140	ug/Kg
92-52-4	1,1-Biphenyl	69.5	U	69.5	100	140	ug/Kg
91-58-7	2-Chloronaphthalene	66.2	U	66.2	100	140	ug/Kg
88-74-4	2-Nitroaniline	75.5	U	75.5	100	140	ug/Kg
131-11-3	Dimethylphthalate	65	U	65	100	140	ug/Kg
208-96-8	Acenaphthylene	68.8	U	68.8	100	140	ug/Kg
606-20-2	2,6-Dinitrotoluene	66.2	U	66.2	100	140	ug/Kg
99-09-2	3-Nitroaniline	70.9	U	70.9	100	140	ug/Kg
83-32-9	Acenaphthene	64.5	U	64.5	100	140	ug/Kg
Total PAH	Total PAH	1053.8	U	1053.8	100	2240	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	210	260	ug/Kg
100-02-7	4-Nitrophenol	92.2	U	92.2	210	260	ug/Kg
132-64-9	Dibenzofuran	67.1	U	67.1	100	140	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.5	U	68.5	100	140	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	134.7	U	134.7	100	280	ug/Kg
84-66-2	Diethylphthalate	63.7	U	63.7	100	140	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	68.1	U	68.1	100	140	ug/Kg
86-73-7	Fluorene	68	U	68	100	140	ug/Kg
100-01-6	4-Nitroaniline	85.1	U	85.1	100	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93	U	93	210	260	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64.9	U	64.9	100	140	ug/Kg
103-33-3	Azobenzene	63.3	U	63.3	100	140	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.7	U	62.7	100	140	ug/Kg
118-74-1	Hexachlorobenzene	67.6	U	67.6	100	140	ug/Kg
1912-24-9	Atrazine	72.7	U	72.7	100	140	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RT	SDG No.:	BG040324
Lab Sample ID:	P1894-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060768.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100		61.5	210	260	ug/Kg
85-01-8	Phenanthrene	83.1	J	66.8	100	140	ug/Kg
120-12-7	Anthracene	67.1	U	67.1	100	140	ug/Kg
86-74-8	Carbazole	63.8	U	63.8	100	140	ug/Kg
84-74-2	Di-n-butylphthalate	67	U	67	100	140	ug/Kg
206-44-0	Fluoranthene	66.8	J	65	100	140	ug/Kg
92-87-5	Benzidine	130	U	130	210	260	ug/Kg
129-00-0	Pyrene	66	U	66	100	140	ug/Kg
85-68-7	Butylbenzylphthalate	77	U	77	100	140	ug/Kg
91-94-1	3,3-Dichlorobenzidine	78.4	U	78.4	210	260	ug/Kg
56-55-3	Benzo(a)anthracene	64.2	U	64.2	100	140	ug/Kg
218-01-9	Chrysene	63.2	U	63.2	100	140	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140		72.4	100	140	ug/Kg
117-84-0	Di-n-octyl phthalate	87.5	U	87.5	210	260	ug/Kg
205-99-2	Benzo(b)fluoranthene	64.5	U	64.5	100	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.7	U	65.7	100	140	ug/Kg
50-32-8	Benzo(a)pyrene	73.9	U	73.9	100	140	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	62.1	U	62.1	100	140	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.6	U	64.6	100	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.7	U	63.7	100	140	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	69	U	69	100	140	ug/Kg
123-91-1	1,4-Dioxane	87.5	U	87.5	100	140	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59.4	U	59.4	100	140	ug/Kg
90-12-0	1-Methylnaphthalene	66.2	U	66.2	140	140	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103.964		18-112		69	SPK: -150
13127-88-3	Phenol-d6	92.53		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	80.263		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	67.151		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RT	SDG No.:	BG040324
Lab Sample ID:	P1894-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060768.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	120.996		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	60.884		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75737	7.958				
1146-65-2	Naphthalene-d8	298668	10.755				
15067-26-2	Acenaphthene-d10	203986	14.586				
1517-22-2	Phenanthrene-d10	423351	17.341				
1719-03-5	Chrysene-d12	407577	21.601				
1520-96-3	Perylene-d12	489465	24.75				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	790	J			3.176	
000057-55-6	Propylene Glycol	120	J			3.693	
	unknown14.022	120	J			14.022	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	69.7	J			14.345	
	unknown14.433	200	J			14.433	
	unknown14.504	77.4	J			14.504	
1000406-37-5	Dodecyl nonyl ether	160	J			15.132	
070412-52-1	2,11-Dioxabicyclo[4.4.1]undeca-3,5	260	J			15.391	
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	330	J			16.36	
019218-94-1	Tetradecane, 1-iodo-	530	J			17.183	
000544-76-3	Hexadecane	450	J			20.297	
000629-99-2	Pentacosane	850	J			20.796	
007225-66-3	Tridecane, 7-hexyl-	1400	J			21.301	
055045-08-4	Dodecane, 2-methyl-6-propyl-	1200	J			21.848	
007098-22-8	Tetratetracontane	1300	J			22.459	
000629-97-0	Docosane	820	J			23.146	
055124-79-3	Heptadecane, 9-hexyl-	2200	J			23.957	
000646-31-1	Tetracosane	880	J			26.037	
000638-97-1	.beta.-Amyrone	1900	J			31.537	

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RT	SDG No.:	BG040324
Lab Sample ID:	P1894-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060768.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMS	SDG No.:	BG040324
Lab Sample ID:	P1894-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
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
BG060769.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		69	210	260	ug/Kg
110-86-1	Pyridine	1100		63.5	100	140	ug/Kg
100-52-7	Benzaldehyde	280		140	210	260	ug/Kg
62-53-3	Aniline	360		77	100	140	ug/Kg
108-95-2	Phenol	1200		65.9	100	140	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		66.5	100	140	ug/Kg
95-57-8	2-Chlorophenol	1200		66.3	100	140	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		67.2	100	140	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		68.3	100	140	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		68.7	100	140	ug/Kg
100-51-6	Benzyl Alcohol	1100		65.9	210	260	ug/Kg
95-48-7	2-Methylphenol	1100		64	100	140	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		72.2	100	140	ug/Kg
98-86-2	Acetophenone	1200		69	100	140	ug/Kg
65794-96-9	3+4-Methylphenols	1000		63.4	210	260	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32	63.6	63.6	ug/Kg
67-72-1	Hexachloroethane	1300		65.9	100	140	ug/Kg
98-95-3	Nitrobenzene	1300		72.1	100	140	ug/Kg
78-59-1	Isophorone	1100		67.2	100	140	ug/Kg
88-75-5	2-Nitrophenol	1500		75.1	100	140	ug/Kg
105-67-9	2,4-Dimethylphenol	950		74	100	140	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		68.2	100	140	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		60	100	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		67.8	100	140	ug/Kg
65-85-0	Benzoic acid	1500		190	210	260	ug/Kg
91-20-3	Naphthalene	1200		65.6	100	140	ug/Kg
106-47-8	4-Chloroaniline	430		65.6	100	140	ug/Kg
87-68-3	Hexachlorobutadiene	1400		66.2	100	140	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMS	SDG No.:	BG040324
Lab Sample ID:	P1894-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
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
BG060769.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		69	210	260	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		61.6	100	140	ug/Kg
91-57-6	2-Methylnaphthalene	1100		65.5	100	140	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		120	210	260	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		56.7	100	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		58.8	100	140	ug/Kg
92-52-4	1,1-Biphenyl	1300		69.4	100	140	ug/Kg
91-58-7	2-Chloronaphthalene	1300		66.2	100	140	ug/Kg
88-74-4	2-Nitroaniline	1400		75.5	100	140	ug/Kg
131-11-3	Dimethylphthalate	1100		64.9	100	140	ug/Kg
208-96-8	Acenaphthylene	1300		68.7	100	140	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		66.1	100	140	ug/Kg
99-09-2	3-Nitroaniline	940		70.9	100	140	ug/Kg
83-32-9	Acenaphthene	1300		64.4	100	140	ug/Kg
Total PAH	Total PAH	19490		1052.5	100	2240	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	190	210	260	ug/Kg
100-02-7	4-Nitrophenol	2900	E	92.2	210	260	ug/Kg
132-64-9	Dibenzofuran	1200		67.1	100	140	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		68.5	100	140	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2700		134.6	100	280	ug/Kg
84-66-2	Diethylphthalate	1100		63.6	100	140	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		68	100	140	ug/Kg
86-73-7	Fluorene	1200		67.9	100	140	ug/Kg
100-01-6	4-Nitroaniline	1200		85	100	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		93	210	260	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		64.8	100	140	ug/Kg
103-33-3	Azobenzene	1100		63.2	100	140	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		62.7	100	140	ug/Kg
118-74-1	Hexachlorobenzene	1400		67.5	100	140	ug/Kg
1912-24-9	Atrazine	1300		72.6	100	140	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMS	SDG No.:	BG040324
Lab Sample ID:	P1894-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
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
BG060769.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	5000	E	61.4	210	260	ug/Kg
85-01-8	Phenanthrene	1300		66.7	100	140	ug/Kg
120-12-7	Anthracene	1200		67.1	100	140	ug/Kg
86-74-8	Carbazole	1200		63.8	100	140	ug/Kg
84-74-2	Di-n-butylphthalate	1200		67	100	140	ug/Kg
206-44-0	Fluoranthene	1200		64.9	100	140	ug/Kg
92-87-5	Benzidine	130	U	130	210	260	ug/Kg
129-00-0	Pyrene	1200		65.9	100	140	ug/Kg
85-68-7	Butylbenzylphthalate	1300		76.9	100	140	ug/Kg
91-94-1	3,3-Dichlorobenzidine	590		78.3	210	260	ug/Kg
56-55-3	Benzo(a)anthracene	1300		64.1	100	140	ug/Kg
218-01-9	Chrysene	1300		63.2	100	140	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		72.3	100	140	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		87.4	210	260	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		64.4	100	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		65.6	100	140	ug/Kg
50-32-8	Benzo(a)pyrene	1300		73.9	100	140	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		62	100	140	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		64.5	100	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		63.6	100	140	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		69	100	140	ug/Kg
123-91-1	1,4-Dioxane	1200		87.4	100	140	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		59.3	100	140	ug/Kg
90-12-0	1-Methylnaphthalene	1100		66.1	140	140	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.231		18-112		61	SPK: -150
13127-88-3	Phenol-d6	84.069		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	72.432		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	59.227		20-109		59	SPK: -100

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMS	SDG No.:	BG040324
Lab Sample ID:	P1894-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
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
BG060769.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	107.049		10-110		71	SPK: -150
1718-51-0	Terphenyl-d14	53.669		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71770	7.958				
1146-65-2	Naphthalene-d8	285092	10.754				
15067-26-2	Acenaphthene-d10	194818	14.591				
1517-22-2	Phenanthrene-d10	409520	17.341				
1719-03-5	Chrysene-d12	377338	21.606				
1520-96-3	Perylene-d12	459721	24.756				

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMSD	SDG No.:	BG040324
Lab Sample ID:	P1894-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.1	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
BG060770.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		68.9	210	260	ug/Kg
110-86-1	Pyridine	940		63.5	100	140	ug/Kg
100-52-7	Benzaldehyde	260		140	210	260	ug/Kg
62-53-3	Aniline	330		77	100	140	ug/Kg
108-95-2	Phenol	1000		65.8	100	140	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	960		66.5	100	140	ug/Kg
95-57-8	2-Chlorophenol	1100		66.3	100	140	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		67.2	100	140	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		68.3	100	140	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		68.7	100	140	ug/Kg
100-51-6	Benzyl Alcohol	1000		65.9	210	260	ug/Kg
95-48-7	2-Methylphenol	930		64	100	140	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		72.2	100	140	ug/Kg
98-86-2	Acetophenone	1000		69	100	140	ug/Kg
65794-96-9	3+4-Methylphenols	960		63.4	210	260	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	860		32	63.5	63.5	ug/Kg
67-72-1	Hexachloroethane	1200		65.9	100	140	ug/Kg
98-95-3	Nitrobenzene	1100		72.1	100	140	ug/Kg
78-59-1	Isophorone	960		67.2	100	140	ug/Kg
88-75-5	2-Nitrophenol	1400		75	100	140	ug/Kg
105-67-9	2,4-Dimethylphenol	830		74	100	140	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		68.1	100	140	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		60	100	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		67.8	100	140	ug/Kg
65-85-0	Benzoic acid	1300		190	210	260	ug/Kg
91-20-3	Naphthalene	1100		65.6	100	140	ug/Kg
106-47-8	4-Chloroaniline	400		65.6	100	140	ug/Kg
87-68-3	Hexachlorobutadiene	1300		66.2	100	140	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMSD	SDG No.:	BG040324
Lab Sample ID:	P1894-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.1 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
BG060770.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	950		68.9	210	260	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		61.5	100	140	ug/Kg
91-57-6	2-Methylnaphthalene	990		65.5	100	140	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1200		120	210	260	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		56.7	100	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		58.8	100	140	ug/Kg
92-52-4	1,1-Biphenyl	1100		69.4	100	140	ug/Kg
91-58-7	2-Chloronaphthalene	1200		66.2	100	140	ug/Kg
88-74-4	2-Nitroaniline	1300		75.4	100	140	ug/Kg
131-11-3	Dimethylphthalate	980		64.9	100	140	ug/Kg
208-96-8	Acenaphthylene	1100		68.7	100	140	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		66.1	100	140	ug/Kg
99-09-2	3-Nitroaniline	820		70.8	100	140	ug/Kg
83-32-9	Acenaphthene	1100		64.4	100	140	ug/Kg
Total PAH	Total PAH	17010		1052.3	100	2240	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		190	210	260	ug/Kg
100-02-7	4-Nitrophenol	2500	E	92.1	210	260	ug/Kg
132-64-9	Dibenzofuran	1000		67	100	140	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400		134.6	100	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		68.5	100	140	ug/Kg
84-66-2	Diethylphthalate	960		63.6	100	140	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		68	100	140	ug/Kg
86-73-7	Fluorene	1000		67.9	100	140	ug/Kg
100-01-6	4-Nitroaniline	1100		85	100	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	880		92.9	210	260	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		64.8	100	140	ug/Kg
103-33-3	Azobenzene	1000		63.2	100	140	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		62.7	100	140	ug/Kg
118-74-1	Hexachlorobenzene	1200		67.5	100	140	ug/Kg
1912-24-9	Atrazine	1200		72.6	100	140	ug/Kg

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMSD	SDG No.:	BG040324
Lab Sample ID:	P1894-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.1	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
BG060770.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4400	E	61.4	210	260	ug/Kg
85-01-8	Phenanthrene	1100		66.7	100	140	ug/Kg
120-12-7	Anthracene	1100		67	100	140	ug/Kg
86-74-8	Carbazole	1100		63.8	100	140	ug/Kg
84-74-2	Di-n-butylphthalate	1100		66.9	100	140	ug/Kg
206-44-0	Fluoranthene	1100		64.9	100	140	ug/Kg
92-87-5	Benzidine	130	U	130	210	260	ug/Kg
129-00-0	Pyrene	1100		65.9	100	140	ug/Kg
85-68-7	Butylbenzylphthalate	1200		76.9	100	140	ug/Kg
91-94-1	3,3-Dichlorobenzidine	640		78.3	210	260	ug/Kg
56-55-3	Benzo(a)anthracene	1200		64.1	100	140	ug/Kg
218-01-9	Chrysene	1100		63.1	100	140	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		72.3	100	140	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		87.4	210	260	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		64.4	100	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		65.6	100	140	ug/Kg
50-32-8	Benzo(a)pyrene	1100		73.9	100	140	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	990		62	100	140	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		64.5	100	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	790		63.6	100	140	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		68.9	100	140	ug/Kg
123-91-1	1,4-Dioxane	1000		87.4	100	140	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		59.3	100	140	ug/Kg
90-12-0	1-Methylnaphthalene	980		66.1	140	140	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.973		18-112		56	SPK: -150
13127-88-3	Phenol-d6	74.765		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	61.204		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	51.396		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	3/27/2024 12:00:00 AM
Project:		Date Received:	3/27/2024 12:00:00 AM
Client Sample ID:	RB40858RTMSD	SDG No.:	BG040324
Lab Sample ID:	P1894-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.6
Sample Wt/Vol:	50.1 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
BG060770.D	1	3/28/2024 12:00:00 AM	4/3/2024 12:00:00 AM	PB159835

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	94.105		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	48.195		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74528	7.962				
1146-65-2	Naphthalene-d8	298586	10.759				
15067-26-2	Acenaphthene-d10	201439	14.59				
1517-22-2	Phenanthrene-d10	414141	17.345				
1719-03-5	Chrysene-d12	384857	21.611				
1520-96-3	Perylene-d12	472127	24.76				

Hit Summary Sheet SW-846

SDG No.: BG040324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : RB40858RT								
P1894-04	RB40858RT	Solid	.beta.-Amyrone	*	1,900.000	J		
P1894-04	RB40858RT	Solid	2,11-Dioxabicyclo[4.4.1]undeca-3	*	260.000	J		
P1894-04	RB40858RT	Solid	Butane, 2-methoxy-2-methyl-	*	790.000	J		
P1894-04	RB40858RT	Solid	Decahydro-1,1,4a,5,6-pentamethy	*	69.700	J		
P1894-04	RB40858RT	Solid	Docosane	*	820.000	J		
P1894-04	RB40858RT	Solid	Dodecane, 2-methyl-6-propyl-	*	1,200.000	J		
P1894-04	RB40858RT	Solid	Dodecyl nonyl ether	*	160.000	J		
P1894-04	RB40858RT	Solid	Heptadecane, 9-hexyl-	*	2,200.000	J		
P1894-04	RB40858RT	Solid	Hexadecane	*	450.000	J		
P1894-04	RB40858RT	Solid	Pentacosane	*	850.000	J		
P1894-04	RB40858RT	Solid	Pentadecane, 2,6,10,14-tetramethy	*	330.000	J		
P1894-04	RB40858RT	Solid	Propylene Glycol	*	120.000	J		
P1894-04	RB40858RT	Solid	Tetracosane	*	880.000	J		
P1894-04	RB40858RT	Solid	Tetradecane, 1-iodo-	*	530.000	J		
P1894-04	RB40858RT	Solid	Tetratetracontane	*	1,300.000	J		
P1894-04	RB40858RT	Solid	Tridecane, 7-hexyl-	*	1,400.000	J		
P1894-04	RB40858RT	Solid	unknown14.022	*	120.000	J		
P1894-04	RB40858RT	Solid	unknown14.433	*	200.000	J		
P1894-04	RB40858RT	Solid	unknown14.504	*	77.400	J		
Total Tics :					13,657.10			
P1894-04	RB40858RT	Solid	Benzoic acid		210.000	J	190	ug/Kg
P1894-04	RB40858RT	Solid	Bis(2-ethylhexyl)phthalate		140.000		72.4	ug/Kg
P1894-04	RB40858RT	Solid	Fluoranthene		66.800	J	65	ug/Kg
P1894-04	RB40858RT	Solid	Pentachlorophenol		2,100.000		61.5	ug/Kg
P1894-04	RB40858RT	Solid	Phenanthrene		83.100	J	66.8	ug/Kg
Total Svoc :					2,599.90			
Total Concentration:					16,257.00			
Client ID : RBR21147								
P1954-01	RBR21147	Solid	4-Methylheneicosane	*	140.000	J		
P1954-01	RBR21147	Solid	Butane, 2-methoxy-2-methyl-	*	1,100.000	J		
P1954-01	RBR21147	Solid	Dodecane, 2-methyl-	*	73.800	J		
P1954-01	RBR21147	Solid	Eicosane, 1-iodo-	*	100.000	J		
P1954-01	RBR21147	Solid	Heptadecane, 2,6,10,15-tetramethy	*	160.000	J		
P1954-01	RBR21147	Solid	Heptane	*	51.700	J		
P1954-01	RBR21147	Solid	Hexadecane	*	130.000	J		
P1954-01	RBR21147	Solid	n-Hexadecanoic acid	*	210.000	J		
P1954-01	RBR21147	Solid	Octadecanoic acid	*	97.800	J		

Hit Summary Sheet SW-846

SDG No.: BG040324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1954-01	RBR21147	Solid	Propylene Glycol	*	83.200	J		
P1954-01	RBR21147	Solid	Silane, trichlorooctadecyl-	*	300.000	J		
P1954-01	RBR21147	Solid	Tridecane, 1-iodo-	*	130.000	J		
P1954-01	RBR21147	Solid	unknown14.821	*	2,300.000	J		
Total Tics :					4,876.50			
Total Concentration:					4,876.50			
Client ID : CHRT-20103								
P1955-01	CHRT-20103	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P1955-01	CHRT-20103	Solid	Ethylene glycol monoisobutyl eth	*	260.000	J		
P1955-01	CHRT-20103	Solid	Nonane, 3,7-dimethyl-	*	510.000	J		
P1955-01	CHRT-20103	Solid	Octatriacontyl pentafluoropropion	*	120.000	J		
P1955-01	CHRT-20103	Solid	Tridecane, 5-propyl-	*	530.000	J		
P1955-01	CHRT-20103	Solid	unknown14.021	*	120.000	J		
P1955-01	CHRT-20103	Solid	unknown14.339	*	90.700	J		
P1955-01	CHRT-20103	Solid	unknown14.427	*	160.000	J		
P1955-01	CHRT-20103	Solid	unknown15.390	*	270.000	J		
Total Tics :					4,160.70			
P1955-01	CHRT-20103	Solid	Bis(2-ethylhexyl)phthalate		250.000	120	230	ug/Kg
Total Svoc :					250.00			
Total Concentration:					4,410.70			
Client ID : RBR200010								
P1956-04	RBR200010	Solid	1,4-Benzenedicarboxylic acid, bis	*	98.600	J		
P1956-04	RBR200010	Solid	1-Docosene	*	85.800	J		
P1956-04	RBR200010	Solid	Butane, 2-methoxy-2-methyl-	*	990.000	J		
P1956-04	RBR200010	Solid	Hexanedioic acid, dioctyl ester	*	51.400	J		
P1956-04	RBR200010	Solid	n-Hexadecanoic acid	*	200.000	J		
P1956-04	RBR200010	Solid	Octadecanoic acid	*	80.200	J		
P1956-04	RBR200010	Solid	unknown3.693	*	82.600	J		
Total Tics :					1,588.60			
P1956-04	RBR200010	Solid	Benzo(b)fluoranthene		78.600	J 58.9	120	ug/Kg
P1956-04	RBR200010	Solid	Chrysene		69.200	J 57.8	120	ug/Kg
P1956-04	RBR200010	Solid	Fluoranthene		77.400	J 59.4	120	ug/Kg
P1956-04	RBR200010	Solid	Pyrene		95.200	J 60.3	120	ug/Kg
Total Svoc :					320.40			
Total Concentration:					1,909.00			
Client ID : NM-DRUMS-040224								
P1957-01	NM-DRUMS-040224	Solid	11H-Benzo[a]fluorene	*	62.500	J		
P1957-01	NM-DRUMS-040224	Solid	11H-Benzo[b]fluorene	*	78.000	J		
P1957-01	NM-DRUMS-040224	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	300.000	J		

Hit Summary Sheet SW-846

SDG No.: BG040324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1957-01	NM-DRUMS-040224	Solid	4H-Cyclopenta[def]phenanthrene	*	270.000	J		
P1957-01	NM-DRUMS-040224	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	90.400	J		
P1957-01	NM-DRUMS-040224	Solid	9,10-Dimethylanthracene	*	91.300	J		
P1957-01	NM-DRUMS-040224	Solid	Anthracene, 1-methyl-	*	90.100	J		
P1957-01	NM-DRUMS-040224	Solid	Anthracene, 9-methyl-	*	160.000	J		
P1957-01	NM-DRUMS-040224	Solid	Butane, 2-methoxy-2-methyl-	*	1,100.000	J		
P1957-01	NM-DRUMS-040224	Solid	Isopropyl Alcohol	*	78.000	J		
P1957-01	NM-DRUMS-040224	Solid	Perylene	*	230.000	J		
P1957-01	NM-DRUMS-040224	Solid	Phenanthrene, 1-methyl-	*	72.700	J		
P1957-01	NM-DRUMS-040224	Solid	Pyrene, 1-methyl-	*	83.600	J		
Total Tics :					2,706.60			
P1957-01	NM-DRUMS-040224	Solid	Acenaphthene		120.000	J	68.5	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Anthracene		200.000		71.3	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Benzo(a)anthracene		360.000		68.2	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Benzo(a)pyrene		280.000		78.6	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Benzo(b)fluoranthene		320.000		68.5	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Benzo(g,h,i)perylene		130.000	J	67.7	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Benzo(k)fluoranthene		120.000	J	69.8	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Carbazole		69.100	J	67.8	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Chrysene		340.000		67.2	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Dibenzofuran		78.600	J	71.3	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Fluoranthene		880.000		69	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Fluorene		150.000		72.2	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	66	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Naphthalene		100.000	J	69.8	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Phenanthrene		1,000.000		71	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Pyrene		860.000		70.1	140 ug/Kg
P1957-01	NM-DRUMS-040224	Solid	Total PAH		4,970.000		1119.6	2240 ug/Kg
Total Svoc :					10,087.70			
Total Concentration:					12,794.30			

Client ID : VNJ-207

P1958-01	VNJ-207	Solid	(S)-(+)-1,2-Propanediol	*	80.100	J		
P1958-01	VNJ-207	Solid	1-Tetracosene	*	86.500	J		
P1958-01	VNJ-207	Solid	Butane, 2-methoxy-2-methyl-	*	1,100.000	J		
P1958-01	VNJ-207	Solid	Dodecane, 4-methyl-	*	56.600	J		
P1958-01	VNJ-207	Solid	Hexadecane	*	55.600	J		
P1958-01	VNJ-207	Solid	n-Hexadecanoic acid	*	330.000	J		
P1958-01	VNJ-207	Solid	Nonadecane	*	50.500	J		
P1958-01	VNJ-207	Solid	Octacosane	*	68.300	J		
P1958-01	VNJ-207	Solid	Octadecanoic acid	*	160.000	J		

Hit Summary Sheet SW-846

SDG No.: BG040324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1958-01	VNJ-207	Solid	Tridecane	*	65.200	J		
Total Tics :					2,052.80			
P1958-01	VNJ-207	Solid	Benzo(b)fluoranthene	85.200	J	59.6	120	ug/Kg
P1958-01	VNJ-207	Solid	Chrysene	75.200	J	58.4	120	ug/Kg
P1958-01	VNJ-207	Solid	Fluoranthene	120.000		60	120	ug/Kg
P1958-01	VNJ-207	Solid	Pyrene	110.000	J	61	120	ug/Kg
Total Svoc :					390.40			
Total Concentration:					2,443.20			
Client ID : 20071								
P1960-02	20071	Solid	2,11-Dioxabicyclo[4.4.1]undeca-3 *	910.000	J			
P1960-02	20071	Solid	2,5-Cyclohexadiene-1,4-dione, 2,6 *	98.800	J			
P1960-02	20071	Solid	2,6,10-Trimethyltridecane *	610.000	J			
P1960-02	20071	Solid	2,6-Naphthalenedione, octahydro- *	180.000	J			
P1960-02	20071	Solid	2-Pentanone, 4-cyclohexylidene-3 *	190.000	J			
P1960-02	20071	Solid	4-[(2-Fluorophenyl)methyl]piperi *	200.000	J			
P1960-02	20071	Solid	Butane, 2-methoxy-2-methyl- *	400.000	J			
P1960-02	20071	Solid	Isobutyl acetate *	1,600.000	J			
P1960-02	20071	Solid	Oxalic acid, allyl pentadecyl este *	360.000	J			
P1960-02	20071	Solid	trans-Calamenene *	180.000	J			
P1960-02	20071	Solid	Tridecane *	210.000	J			
P1960-02	20071	Solid	Tridecane, 3-methyl- *	770.000	J			
P1960-02	20071	Solid	unknown14.025 *	470.000	J			
P1960-02	20071	Solid	unknown14.437 *	640.000	J			
P1960-02	20071	Solid	unknown14.507 *	210.000	J			
Total Tics :					7,028.80			
P1960-02	20071	Solid	Bis(2-ethylhexyl)phthalate	100.000	J	83.8	160	ug/Kg
Total Svoc :					100.00			
Total Concentration:					7,128.80			

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG032924 SAS No.: BG032924 SDG No.: BG032924
Instrument ID: _____ Calibration Date(s): 3/29/2024 : _____
Calibration Time(s): 10:48 : _____

LAB FILE ID:		RRF2.5 = BG060699.D			RRF5.0 = BG060700.D		RRF010 = BG060701.D	
		RRF020 = BG060702.D			RRF040 = BG060703.D		RRF050 = BG060704.D	
COMPOUND	RRF2.5	RRF5.0	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.894	0.864	0.865	0.929	0.915	0.887	5.2
Pyridine		1.490	1.522	1.496	1.602	1.565	1.485	8.1
2-Fluorophenol		1.171	1.161	1.269	1.204	1.164	1.201	3.5
Benzaldehyde			1.121	1.113	0.947	0.875	0.983	12.9
Aniline		2.123	2.225	2.424	2.291	2.196	2.250	4.2
Phenol-d6		1.718	1.774	1.859	1.813	1.738	1.782	2.8
Phenol		1.712	1.798	1.902	1.875	1.764	1.819	3.8
bis(2-Chloroethyl)ether		1.477	1.480	1.546	1.467	1.414	1.468	2.8
2-Chlorophenol		1.265	1.350	1.428	1.376	1.348	1.361	4.0
1,2-Dichlorobenzene		1.455	1.406	1.516	1.396	1.323	1.415	4.2
1,3-Dichlorobenzene		1.527	1.396	1.447	1.391	1.357	1.415	4.0
1,4-Dichlorobenzene		1.474	1.476	1.484	1.421	1.390	1.444	2.7
Benzyl Alcohol		1.345	1.411	1.500	1.481	1.421	1.444	3.8
2-Methylphenol		1.285	1.361	1.457	1.386	1.325	1.373	4.2
2,2-oxybis(1-Chloropropane)		3.269	3.356	3.489	3.291	3.139	3.314	3.2
Acetophenone		0.539	0.534	0.597	0.540	0.545	0.551	4.4
3+4-Methylphenols		1.683	1.831	2.015	1.911	1.849	1.880	5.8
n-Nitroso-di-n-propylamine	1.345	1.260	1.367	1.452	1.377	1.318	1.359	4.2
Nitrobenzene-d5			0.270	0.331	0.341	0.371	0.350	13.6
Hexachloroethane		0.495	0.533	0.533	0.493	0.493	0.513	3.8
Nitrobenzene		0.253	0.304	0.348	0.363	0.386	0.352	16.1
Isophorone		0.765	0.787	0.853	0.804	0.813	0.807	3.8
2-Nitrophenol		0.079	0.083	0.111	0.124	0.137	0.120	25.1
2,4-Dimethylphenol		0.310	0.321	0.347	0.318	0.323	0.324	4.1
bis(2-Chloroethoxy)methane		0.469	0.467	0.496	0.469	0.482	0.477	2.5
2,4-Dichlorophenol		0.253	0.277	0.311	0.306	0.313	0.298	8.0
1,2,4-Trichlorobenzene		0.325	0.326	0.351	0.331	0.339	0.337	3.6
Benzoic acid			0.115	0.163	0.199	0.212	0.191	23.5
Naphthalene		1.074	1.091	1.136	1.077	1.065	1.082	2.9
4-Chloroaniline		0.487	0.493	0.528	0.508	0.502	0.503	2.9
Hexachlorobutadiene		0.213	0.223	0.234	0.218	0.226	0.225	3.6
Caprolactam		0.112	0.119	0.127	0.121	0.115	0.118	4.6
4-Chloro-3-methylphenol		0.370	0.365	0.394	0.392	0.377	0.380	3.1
2-Methylnaphthalene		0.808	0.811	0.828	0.783	0.772	0.795	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG032924 SAS No.: BG032924 SDG No.: BG032924
Instrument ID: _____ Calibration Date(s): 3/29/2024 : _____
Calibration Time(s): 10:48 : _____

LAB FILE ID:		RRF2.5 = BG060699.D			RRF5.0 = BG060700.D		RRF010 = BG060701.D	
		RRF020 = BG060702.D			RRF040 = BG060703.D		RRF050 = BG060704.D	
COMPOUND	RRF2.5	RRF5.0	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Hexachlorocyclopentadiene		0.256	0.247	0.295	0.286	0.314	0.292	10.9
2,4,6-Trichlorophenol		0.302	0.338	0.381	0.372	0.398	0.370	10.1
2-Fluorobiphenyl		1.383	1.377	1.463	1.316	1.359	1.363	4.1
2,4,5-Trichlorophenol		0.380	0.407	0.461	0.445	0.465	0.442	7.9
1,1-Biphenyl		1.417	1.415	1.496	1.364	1.405	1.413	3.0
2-Chloronaphthalene		1.036	1.062	1.133	1.045	1.083	1.073	3.0
2-Nitroaniline		0.201	0.231	0.289	0.323	0.356	0.307	22.9
Dimethylphthalate		1.570	1.576	1.696	1.565	1.570	1.581	3.6
Acenaphthylene		1.760	1.812	1.900	1.759	1.818	1.803	2.9
2,6-Dinitrotoluene		0.154	0.188	0.251	0.264	0.284	0.247	22.3
3-Nitroaniline		0.185	0.226	0.283	0.300	0.309	0.277	18.7
Acenaphthene		1.093	1.150	1.191	1.108	1.137	1.132	3.1
2,4-Dinitrophenol			0.092	0.099	0.108	0.118	0.110	14.8
4-Nitrophenol			0.180	0.218	0.236	0.244	0.231	12.4
Dibenzofuran		1.813	1.854	1.867	1.732	1.780	1.786	3.6
2,4-Dinitrotoluene		0.192	0.242	0.314	0.346	0.374	0.320	24.0
Diethylphthalate		1.622	1.665	1.690	1.557	1.558	1.590	4.5
4-Chlorophenyl-phenylether		0.794	0.789	0.798	0.738	0.742	0.758	4.7
Fluorene		1.482	1.514	1.521	1.412	1.398	1.433	5.3
4-Nitroaniline		0.214	0.255	0.299	0.303	0.312	0.289	13.8
4,6-Dinitro-2-methylphenol			0.048	0.063	0.072	0.081	0.073	21.8
n-Nitrosodiphenylamine		0.539	0.564	0.586	0.568	0.587	0.572	3.1
Azobenzene		1.516	1.599	1.667	1.536	1.532	1.550	4.1
2,4,6-Tribromophenol		0.187	0.214	0.243	0.226	0.236	0.227	9.2
4-Bromophenyl-phenylether		0.187	0.189	0.215	0.202	0.205	0.203	5.7
Hexachlorobenzene		0.222	0.219	0.239	0.225	0.233	0.229	3.4
Atrazine		0.195	0.209	0.213	0.200	0.197	0.200	4.4
Pentachlorophenol		0.108	0.133	0.155	0.152	0.164	0.150	14.9
Phenanthrene		1.052	1.057	1.109	1.010	1.030	1.040	3.9
Anthracene		1.060	1.060	1.128	1.030	1.050	1.056	3.7
Carbazole		0.957	0.949	0.999	0.906	0.919	0.931	4.5
Di-n-butylphthalate		1.134	1.187	1.258	1.153	1.154	1.161	4.5
Fluoranthene		1.343	1.329	1.337	1.216	1.228	1.262	5.8
Benzidine		0.498	0.492	0.525	0.596	0.534	0.527	6.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG032924 SAS No.: BG032924 SDG No.: BG032924
Instrument ID: _____ Calibration Date(s): 3/29/2024 : _____
Calibration Time(s): 10:48 : _____

LAB FILE ID:		RRF2.5 = BG060699.D			RRF5.0 = BG060700.D		RRF010 = BG060701.D	
		RRF020 = BG060702.D			RRF040 = BG060703.D		RRF050 = BG060704.D	
COMPOUND	RRF2.5	RRF5.0	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyrene		1.411	1.408	1.525	1.368	1.366	1.399	4.5
Terphenyl-d14		1.221	1.230	1.271	1.104	1.073	1.136	9.3
Butylbenzylphthalate		0.422	0.460	0.539	0.520	0.542	0.510	9.8
3,3-Dichlorobenzidine		0.430	0.445	0.510	0.493	0.488	0.476	5.9
Benzo (a) anthracene		1.385	1.406	1.500	1.401	1.400	1.410	3.1
Chrysene		1.350	1.348	1.440	1.345	1.349	1.359	2.8
Bis (2-ethylhexyl) phthalate		0.705	0.769	0.866	0.836	0.847	0.813	7.0
Di-n-octyl phthalate		1.077	1.191	1.382	1.389	1.413	1.325	10.2
Benzo (b) fluoranthene		1.132	1.130	1.198	1.141	1.143	1.149	2.2
Benzo (k) fluoranthene		1.155	1.142	1.236	1.181	1.172	1.176	3.1
Benzo (a) pyrene		1.073	1.092	1.156	1.122	1.119	1.117	2.8
Indeno (1,2,3-cd) pyrene		1.303	1.361	1.463	1.393	1.461	1.408	4.3
Dibenzo (a,h) anthracene		1.092	1.144	1.234	1.173	1.235	1.187	4.7
Benzo (g,h,i) perylene		1.091	1.120	1.190	1.139	1.189	1.155	3.5
1,2,4,5-Tetrachlorobenzene		0.553	0.550	0.595	0.555	0.589	0.575	3.8
1,4-Dioxane		0.553	0.531	0.496	0.476	0.492	0.492	8.9
2,3,4,6-Tetrachlorophenol		0.325	0.373	0.396	0.400	0.404	0.385	7.4
1-Methylnaphthalene		0.770	0.762	0.806	0.727	0.732	0.751	4.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG040324 SAS No.: BG040324 SDG NO.: BG040324

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

Lab File ID: BG060703.D Time Analyzed: 10:32

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	51170	7.961	236385	10.76	178236	14.59
UPPER LIMIT	102340	8.461	472770	11.258	356472	15.089
LOWER LIMIT	25585	7.461	118192.5	10.258	89118	14.089
EPA SAMPLE NO.						
01 PB159882BL	45099	7.96	183286	10.76	145697	14.59
02 PB159882BS	50805	7.96	220659	10.76	181120	14.59
03 PB159882BSD	48750	7.96	219703	10.76	177327	14.59
04 RBR21147	76452	7.96	299014	10.76	216095	14.59
05 20071	84598	7.96	333410	10.75	215033	14.59
06 NM-DRUMS-040224	69141	7.96	258939	10.76	196585	14.59
07 RBR200010	72691	7.96	282238	10.76	197109	14.59
08 RBR200010MS	69765	7.96	287781	10.76	213925	14.59
09 RBR200010MSD	72787	7.96	291796	10.76	212425	14.59
10 CHRT-20103	74429	7.96	303496	10.76	220578	14.59
11 VNJ-207	67924	7.96	270297	10.76	191104	14.59
12 RB40858RT	75737	7.96	298668	10.76	203986	14.59
13 RB40858RTMS	71770	7.96	285092	10.75	194818	14.59
14 RB40858RTMSD	74528	7.96	298586	10.76	201439	14.59

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.: BG040324 SAS No.: BG040324 SDG NO.: BG040324

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

Lab File ID: BG060756.D Time Analyzed: 10:32

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	56160	7.962	249317	10.76	210319	14.59
UPPER LIMIT	112320	8.462	498634	11.258	420638	15.089
LOWER LIMIT	28080	7.462	124658.5	10.258	105159.5	14.089
EPA SAMPLE NO.						
01 PB159882BL	45099	7.96	183286	10.76	145697	14.59
02 PB159882BS	50805	7.96	220659	10.76	181120	14.59
03 PB159882BSD	48750	7.96	219703	10.76	177327	14.59
04 RBR21147	76452	7.96	299014	10.76	216095	14.59
05 20071	84598	7.96	333410	10.75	215033	14.59
06 NM-DRUMS-040224	69141	7.96	258939	10.76	196585	14.59
07 RBR200010	72691	7.96	282238	10.76	197109	14.59
08 RBR200010MS	69765	7.96	287781	10.76	213925	14.59
09 RBR200010MSD	72787	7.96	291796	10.76	212425	14.59
10 CHRT-20103	74429	7.96	303496	10.76	220578	14.59
11 VNJ-207	67924	7.96	270297	10.76	191104	14.59
12 RB40858RT	75737	7.96	298668	10.76	203986	14.59
13 RB40858RTMS	71770	7.96	285092	10.75	194818	14.59
14 RB40858RTMSD	74528	7.96	298586	10.76	201439	14.59

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.: BG040324 SAS No.: BG040324 SDG NO.: BG040324

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

Lab File ID: BG060703.D Time Analyzed: 10:32

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	416987	17.339	381473	21.604	450367	24.748
UPPER LIMIT	833974	17.839	762946	22.104	900734	25.248
LOWER LIMIT	208493.5	16.839	190736.5	21.104	225183.5	24.248
EPA SAMPLE NO.						
01 PB159882BL	411161	17.34	445500	21.60	514914	24.74
02 PB159882BS	492550	17.34	457691	21.60	511535	24.74
03 PB159882BSD	483714	17.34	455045	21.60	506824	24.74
04 RBR21147	511738	17.33	489371	21.60	570212	24.74
05 20071	338072	17.37	389195	21.62	494830	24.74
06 NM-DRUMS-040224	482689	17.33	435524	21.60	524813	24.74
07 RBR200010	464158	17.33	448520	21.60	542350	24.74
08 RBR200010MS	504358	17.34	476509	21.60	568571	24.75
09 RBR200010MSD	507315	17.34	461719	21.60	553585	24.75
10 CHRT-20103	491640	17.34	457891	21.60	564325	24.74
11 VNJ-207	456399	17.34	428864	21.60	514440	24.74
12 RB40858RT	423351	17.34	407577	21.60	489465	24.75
13 RB40858RTMS	409520	17.34	377338	21.61	459721	24.76
14 RB40858RTMSD	414141	17.35	384857	21.61	472127	24.76

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.: BG040324 SAS No.: BG040324 SDG NO.: BG040324

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

Lab File ID: BG060756.D Time Analyzed: 10:32

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	517007	17.339	476004	21.604	563100	24.748
UPPER LIMIT	1034014	17.839	952008	22.104	1126200	25.248
LOWER LIMIT	258503.5	16.839	238002	21.104	281550	24.248
EPA SAMPLE NO.						
01 PB159882BL	411161	17.34	445500	21.60	514914	24.74
02 PB159882BS	492550	17.34	457691	21.60	511535	24.74
03 PB159882BSD	483714	17.34	455045	21.60	506824	24.74
04 RBR21147	511738	17.33	489371	21.60	570212	24.74
05 20071	338072	17.37	389195	21.62	494830	24.74
06 NM-DRUMS-040224	482689	17.33	435524	21.60	524813	24.74
07 RBR200010	464158	17.33	448520	21.60	542350	24.74
08 RBR200010MS	504358	17.34	476509	21.60	568571	24.75
09 RBR200010MSD	507315	17.34	461719	21.60	553585	24.75
10 CHRT-20103	491640	17.34	457891	21.60	564325	24.74
11 VNJ-207	456399	17.34	428864	21.60	514440	24.74
12 RB40858RT	423351	17.34	407577	21.60	489465	24.75
13 RB40858RTMS	409520	17.34	377338	21.61	459721	24.76
14 RB40858RTMSD	414141	17.35	384857	21.61	472127	24.76

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB159882BS	n-Nitrosodimethylamine	50	51.6	ug/L	103					55	108	
	Pyridine	50	36.9	ug/L	74					29	97	
	Benzaldehyde	50	9	ug/L	18					15	121	
	Aniline	50	18.8	ug/L	38					10	130	
	Phenol	50	50.1	ug/L	100					66	118	
	bis(2-Chloroethyl)ether	50	40.2	ug/L	80					62	103	
	2-Chlorophenol	50	51.8	ug/L	104					70	117	
	1,2-Dichlorobenzene	50	45.7	ug/L	91					72	102	
	1,3-Dichlorobenzene	50	45.2	ug/L	90					71	103	
	1,4-Dichlorobenzene	50	45.9	ug/L	92					76	103	
	Benzyl Alcohol	50	47.5	ug/L	95		*			36	93	
	2-Methylphenol	50	45.6	ug/L	91					69	109	
	2,2-oxybis(1-Chloropropane)	50	43.6	ug/L	87					52	103	
	Acetophenone	50	45.2	ug/L	90					60	104	
	3+4-Methylphenols	50	47.8	ug/L	96					67	106	
	N-Nitroso-di-n-propylamine	50	42.5	ug/L	85					57	107	
	Hexachloroethane	50	46.2	ug/L	92					76	118	
	Nitrobenzene	50	46.7	ug/L	93					58	106	
	Isophorone	50	44.2	ug/L	88					61	102	
	2-Nitrophenol	50	54.9	ug/L	110					70	115	
	2,4-Dimethylphenol	50	40.9	ug/L	82					67	130	
	bis(2-Chloroethoxy)methane	50	43.6	ug/L	87					58	109	
	2,4-Dichlorophenol	50	54.5	ug/L	109					66	115	
	1,2,4-Trichlorobenzene	50	47	ug/L	94					41	115	
	Benzoic acid	50	58.3	ug/L	117					10	125	
	Naphthalene	50	44	ug/L	88					64	107	
	4-Chloroaniline	50	15.3	ug/L	31					10	85	
	Hexachlorobutadiene	50	46.1	ug/L	92					69	101	
	Caprolactam	50	55.4	ug/L	111					58	128	
	4-Chloro-3-methylphenol	50	53.6	ug/L	107					65	114	
	2-Methylnaphthalene	50	43.6	ug/L	87					64	107	
	Hexachlorocyclopentadiene	100	93.6	ug/L	94					36	160	
	2,4,6-Trichlorophenol	50	52	ug/L	104					61	110	
	2,4,5-Trichlorophenol	50	50.3	ug/L	101					70	106	
	1,1-Biphenyl	50	43.7	ug/L	87					72	98	
	2-Chloronaphthalene	50	44.9	ug/L	90					59	106	
	2-Nitroaniline	50	54.3	ug/L	109		*			58	107	
	Dimethylphthalate	50	46.4	ug/L	93					64	103	
	Acenaphthylene	50	47.7	ug/L	95					65	108	
	2,6-Dinitrotoluene	50	52.8	ug/L	106					64	110	
	3-Nitroaniline	50	34.3	ug/L	69					28	100	
	Acenaphthene	50	52.1	ug/L	104					59	113	
	Total PAH	800	748.3	ug/L	94					59	113	
	2,4-Dinitrophenol	100	170	ug/L	170		*			64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB159882BS	4-Nitrophenol	100	130	ug/L	130		*		68	116	
	Dibenzofuran	50	46.5	ug/L	93				65	106	
	2,4-Dinitrotoluene	50	60.5	ug/L	121		*		60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	113.3	ug/L	113				60	115	
	Diethylphthalate	50	48.3	ug/L	97				63	105	
	4-Chlorophenyl-phenylether	50	47.3	ug/L	95				61	104	
	Fluorene	50	48.1	ug/L	96				64	107	
	4-Nitroaniline	50	60.4	ug/L	121		*		69	112	
	4,6-Dinitro-2-methylphenol	50	55.3	ug/L	111				62	132	
	N-Nitrosodiphenylamine	50	43.1	ug/L	86				61	109	
	Azobenzene	50	46.8	ug/L	94				59	106	
	4-Bromophenyl-phenylether	50	45.8	ug/L	92				73	103	
	Hexachlorobenzene	50	46.6	ug/L	93				73	106	
	Atrazine	50	40.7	ug/L	81				76	120	
	Pentachlorophenol	100	100	ug/L	100				47	114	
	Phenanthrene	50	44.4	ug/L	89				62	109	
	Anthracene	50	44.3	ug/L	89				65	110	
	Carbazole	50	45.9	ug/L	92				62	106	
	Di-n-butylphthalate	50	44.7	ug/L	89				64	106	
	Fluoranthene	50	44.9	ug/L	90				64	110	
	Benzidine	100	32.7	ug/L	33				10	94	
	Pyrene	50	45.2	ug/L	90				71	103	
	Butylbenzylphthalate	50	49.2	ug/L	98				61	105	
	3,3-Dichlorobenzidine	50	37.6	ug/L	75				43	108	
	Benzo(a)anthracene	50	45.8	ug/L	92				62	107	
	Chrysene	50	44.5	ug/L	89				61	108	
	bis(2-Ethylhexyl)phthalate	50	45.8	ug/L	92				59	110	
	Di-n-octyl phthalate	50	49.2	ug/L	98				67	126	
	Benzo(b)fluoranthene	50	48.8	ug/L	98				77	113	
	Benzo(k)fluoranthene	50	48.1	ug/L	96				64	113	
	Benzo(a)pyrene	50	46.2	ug/L	92				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.8	ug/L	98				72	105	
	Dibenz(a,h)anthracene	50	48.3	ug/L	97				78	115	
	Benzo(g,h,i)perylene	50	47.1	ug/L	94				75	118	
	1,2,4,5-Tetrachlorobenzene	50	44.7	ug/L	89				72	101	
	1,4-Dioxane	50	41.5	ug/L	83				38	125	
	2,3,4,6-Tetrachlorophenol	50	57.2	ug/L	114				63	116	
	1-Methylnaphthalene	50	44.3	ug/L	89				51	114	
PB159882BSD	n-Nitrosodimethylamine	50	52.4	ug/L	105	2			55	108	20
	Pyridine	50	34.5	ug/L	69	7			29	97	20
	Benzaldehyde	50	9.5	ug/L	19	5			15	121	20
	Aniline	50	19.8	ug/L	40	5			10	130	20
	Phenol	50	53.5	ug/L	107	7			66	118	20
	bis(2-Chloroethyl)ether	50	40.4	ug/L	81	0			62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB159882BSD	2-Chlorophenol	50	50.9	ug/L	102	2			70	117	20
	1,2-Dichlorobenzene	50	44.6	ug/L	89	2			72	102	20
	1,3-Dichlorobenzene	50	43.7	ug/L	87	3			71	103	20
	1,4-Dichlorobenzene	50	44.8	ug/L	90	2			76	103	20
	Benzyl Alcohol	50	47.1	ug/L	94	1	*		36	93	20
	2-Methylphenol	50	45.8	ug/L	92	0			69	109	20
	2,2-oxybis(1-Chloropropane)	50	43.4	ug/L	87	0			52	103	20
	Acetophenone	50	44.2	ug/L	88	2			60	104	20
	3+4-Methylphenols	50	47	ug/L	94	2			67	106	20
	N-Nitroso-di-n-propylamine	50	42.2	ug/L	84	1			57	107	20
	Hexachloroethane	50	44.8	ug/L	90	3			76	118	20
	Nitrobenzene	50	46.3	ug/L	93	1			58	106	20
	Isophorone	50	42.1	ug/L	84	5			61	102	20
	2-Nitrophenol	50	53.1	ug/L	106	3			70	115	20
	2,4-Dimethylphenol	50	39.1	ug/L	78	5			67	130	20
	bis(2-Chloroethoxy)methane	50	41.8	ug/L	84	4			58	109	20
	2,4-Dichlorophenol	50	53.7	ug/L	107	1			66	115	20
	1,2,4-Trichlorobenzene	50	44.7	ug/L	89	5			41	115	20
	Benzoic acid	50	56.3	ug/L	113	3			10	125	20
	Naphthalene	50	42.4	ug/L	85	4			64	107	20
	4-Chloroaniline	50	15.6	ug/L	31	2			10	85	20
	Hexachlorobutadiene	50	43.4	ug/L	87	6			69	101	20
	Caprolactam	50	53.1	ug/L	106	4			58	128	20
	4-Chloro-3-methylphenol	50	51.6	ug/L	103	4			65	114	20
	2-Methylnaphthalene	50	42.2	ug/L	84	3			64	107	20
	Hexachlorocyclopentadiene	100	93	ug/L	93	1			36	160	20
	2,4,6-Trichlorophenol	50	51.7	ug/L	103	1			61	110	20
	2,4,5-Trichlorophenol	50	49.6	ug/L	99	1			70	106	20
	1,1-Biphenyl	50	42.8	ug/L	86	2			72	98	20
	2-Chloronaphthalene	50	44.1	ug/L	88	2			59	106	20
	2-Nitroaniline	50	53.9	ug/L	108	1	*		58	107	20
	Dimethylphthalate	50	45	ug/L	90	3			64	103	20
	Acenaphthylene	50	47.2	ug/L	94	1			65	108	20
	2,6-Dinitrotoluene	50	51.7	ug/L	103	2			64	110	20
	3-Nitroaniline	50	33.7	ug/L	67	2			28	100	20
	Acenaphthene	50	51.9	ug/L	104	0			59	113	20
	Total PAH	800	729.7	ug/L	91	3			59	113	20
	2,4-Dinitrophenol	100	170	ug/L	170	0	*		64	132	20
	4-Nitrophenol	100	130	ug/L	130	0	*		68	116	20
	Dibenzofuran	50	45.7	ug/L	91	2			65	106	20
	2,4-Dinitrotoluene	50	58.9	ug/L	118	3	*		60	115	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	110.6	ug/L	111	2			60	115	20
	Diethylphthalate	50	47.1	ug/L	94	3			63	105	20
	4-Chlorophenyl-phenylether	50	46.1	ug/L	92	3			61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB159882BSD	Fluorene	50	47.4	ug/L	95	1			64	107	20
	4-Nitroaniline	50	61.1	ug/L	122	1	*		69	112	20
	4,6-Dinitro-2-methylphenol	50	55.7	ug/L	111	1			62	132	20
	N-Nitrosodiphenylamine	50	42	ug/L	84	3			61	109	20
	Azobenzene	50	46.1	ug/L	92	2			59	106	20
	4-Bromophenyl-phenylether	50	44.9	ug/L	90	2			73	103	20
	Hexachlorobenzene	50	44.7	ug/L	89	4			73	106	20
	Atrazine	50	38	ug/L	76	7			76	120	20
	Pentachlorophenol	100	99.1	ug/L	99	1			47	114	20
	Phenanthrene	50	43.2	ug/L	86	3			62	109	20
	Anthracene	50	43.3	ug/L	87	2			65	110	20
	Carbazole	50	45.1	ug/L	90	2			62	106	20
	Di-n-butylphthalate	50	44.1	ug/L	88	1			64	106	20
	Fluoranthene	50	44.3	ug/L	89	1			64	110	20
	Benzidine	100	29.2	ug/L	29	11			10	94	20
	Pyrene	50	43.8	ug/L	88	3			71	103	20
	Butylbenzylphthalate	50	48	ug/L	96	2			61	105	20
	3,3-Dichlorobenzidine	50	36.7	ug/L	73	2			43	108	20
	Benzo(a)anthracene	50	44.1	ug/L	88	4			62	107	20
	Chrysene	50	43.1	ug/L	86	3			61	108	20
	bis(2-Ethylhexyl)phthalate	50	44.3	ug/L	89	3			59	110	20
	Di-n-octyl phthalate	50	47.7	ug/L	95	3			67	126	20
	Benzo(b)fluoranthene	50	48.2	ug/L	96	1			77	113	20
	Benzo(k)fluoranthene	50	46.2	ug/L	92	4			64	113	20
	Benzo(a)pyrene	50	44.8	ug/L	90	3			72	131	20
	Indeno(1,2,3-cd)pyrene	50	47.8	ug/L	96	2			72	105	20
	Dibenz(a,h)anthracene	50	47	ug/L	94	3			78	115	20
	Benzo(g,h,i)perylene	50	45	ug/L	90	5			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	43.4	ug/L	87	3			72	101	20
	1,4-Dioxane	50	41.4	ug/L	83	0			38	125	20
	2,3,4,6-Tetrachlorophenol	50	55.8	ug/L	112	2			63	116	20
	1-Methylnaphthalene	50	43.1	ug/L	86	3			51	114	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RB40858RT

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040324

SAS No.: BG040324 SDG NO.: BG040324

Lab File ID: BG060768.D

Lab Sample ID: P1894-04

Instrument ID: BNA_G

Date Extracted: 03/28/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/03/2024

Level: (low/med) LOW

Time Analyzed: 18:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RB40858RT	P1894-04	BG060768.D	04/03/2024
RB40858RTMS	P1894-04MS	BG060769.D	04/03/2024
RB40858RTMSD	P1894-04MSD	BG060770.D	04/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159882BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040324

SAS No.: BG040324 SDG NO.: BG040324

Lab File ID: BG060757.D

Lab Sample ID: PB159882BL

Instrument ID: BNA_G

Date Extracted: 03/29/2024

Matrix: (soil/water) Water

Date Analyzed: 04/03/2024

Level: (low/med) LOW

Time Analyzed: 10:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159882BS	PB159882BS	BG060758.D	04/03/2024
PB159882BSD	PB159882BSD	BG060759.D	04/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RBR21147

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG040324

SAS No.: BG040324 SDG NO.: BG040324

Lab File ID: BG060760.D

Lab Sample ID: P1954-01

Instrument ID: BNA_G

Date Extracted: 04/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/03/2024

Level: (low/med) LOW

Time Analyzed: 13:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RBR21147	P1954-01	BG060760.D	04/03/2024
20071	P1960-02	BG060761.D	04/03/2024
NM-DRUMS-040224	P1957-01	BG060762.D	04/03/2024
RBR200010	P1956-04	BG060763.D	04/03/2024
RBR200010MS	P1956-04MS	BG060764.D	04/03/2024
RBR200010MSD	P1956-04MSD	BG060765.D	04/03/2024
CHRT-20103	P1955-01	BG060766.D	04/03/2024
VNJ-207	P1958-01	BG060767.D	04/03/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P1894-04MS		Client Sample ID: RB40858RTMS		DataFile: BG060769.D							
n-Nitrosodimethylamine	1300	0	1400	ug/Kg	108				66	124	
Pyridine	1300		1100	ug/Kg	85				45	119	
Benzaldehyde	1300		280	ug/Kg	22	*			26	163	
Aniline	1300		360	ug/Kg	28				10	88	
Phenol	1300		1200	ug/Kg	92				67	126	
bis(2-Chloroethyl)ether	1300		1100	ug/Kg	85				74	116	
2-Chlorophenol	1300		1200	ug/Kg	92				61	138	
1,2-Dichlorobenzene	1300		1200	ug/Kg	92				61	105	
1,3-Dichlorobenzene	1300		1300	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1300		1300	ug/Kg	100				63	104	
Benzyl Alcohol	1300	210	1100	ug/Kg	85				47	126	
2-Methylphenol	1300		1100	ug/Kg	85				66	122	
2,2-oxybis(1-Chloropropane)	1300		1200	ug/Kg	92				52	115	
Acetophenone	1300		1200	ug/Kg	92				75	111	
3+4-Methylphenols	1300		1000	ug/Kg	77				53	132	
N-Nitroso-di-n-propylamine	1300		990	ug/Kg	76				59	119	
Hexachloroethane	1300		1300	ug/Kg	100				65	117	
Nitrobenzene	1300		1300	ug/Kg	100				70	119	
Isophorone	1300		1100	ug/Kg	85				76	122	
2-Nitrophenol	1300		1500	ug/Kg	115				54	145	
2,4-Dimethylphenol	1300		950	ug/Kg	73	*			83	144	
bis(2-Chloroethoxy)methane	1300		1100	ug/Kg	85				68	112	
2,4-Dichlorophenol	1300		1300	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1300		1400	ug/Kg	108	*			57	103	
Benzoic acid	1300		1500	ug/Kg	99				50	104	
Naphthalene	1300		1200	ug/Kg	92				72	110	
4-Chloroaniline	1300		430	ug/Kg	33				10	100	
Hexachlorobutadiene	1300		1400	ug/Kg	108				66	114	
Caprolactam	1300		1100	ug/Kg	85				51	134	
4-Chloro-3-methylphenol	1300		1200	ug/Kg	92				57	132	
2-Methylnaphthalene	1300		1100	ug/Kg	85				59	123	
Hexachlorocyclopentadiene	2600		1700	ug/Kg	65				10	175	
2,4,6-Trichlorophenol	1300		1500	ug/Kg	115				72	117	
2,4,5-Trichlorophenol	1300		1400	ug/Kg	108				72	117	
1,1-Biphenyl	1300		1300	ug/Kg	100				75	113	
2-Chloronaphthalene	1300		1300	ug/Kg	100				67	118	
2-Nitroaniline	1300		1400	ug/Kg	108				69	127	
Dimethylphthalate	1300		1100	ug/Kg	85				70	113	
Acenaphthylene	1300		1300	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1300		1300	ug/Kg	100				70	125	
3-Nitroaniline	1300	0	940	ug/Kg	72				20	111	
Acenaphthene	1300		1300	ug/Kg	100				70	121	
Total PAH	20800		19490	ug/Kg	94				70	121	
2,4-Dinitrophenol	2600		2300	ug/Kg	88				16	160	
4-Nitrophenol	2600		2900	ug/Kg	112				45	133	
Dibenzofuran	1300		1200	ug/Kg	92				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2600		2700	ug/Kg	104				55	128	
2,4-Dinitrotoluene	1300		1400	ug/Kg	108				55	128	
Diethylphthalate	1300		1100	ug/Kg	85				70	112	
4-Chlorophenyl-phenylether	1300		1200	ug/Kg	92				71	108	
Fluorene	1300		1200	ug/Kg	92				68	116	
4-Nitroaniline	1300		1200	ug/Kg	92				55	120	
4,6-Dinitro-2-methylphenol	1300		1100	ug/Kg	85				32	145	
N-Nitrosodiphenylamine	1300		1400	ug/Kg	108				73	118	
Azobenzene	1300		1100	ug/Kg	85				73	110	
4-Bromophenyl-phenylether	1300		1400	ug/Kg	108				65	121	
Hexachlorobenzene	1300		1400	ug/Kg	108				67	118	
Atrazine	1300		1300	ug/Kg	100				79	127	
Pentachlorophenol	2600	2100	5000	ug/Kg	104				47	128	
Phenanthrene	1300	83.1	1300	ug/Kg	94				72	113	
Anthracene	1300		1200	ug/Kg	92				62	124	
Carbazole	1300		1200	ug/Kg	92				59	119	
Di-n-butylphthalate	1300		1200	ug/Kg	92				69	118	
Fluoranthene	1300	66.8	1200	ug/Kg	87				59	125	
Benzidine	2600			ug/Kg		*			10	119	
Pyrene	1300	0	1200	ug/Kg	87				52	128	
Butylbenzylphthalate	1300		1300	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1300		590	ug/Kg	45				10	164	
Benzo(a)anthracene	1300		1300	ug/Kg	100				71	114	
Chrysene	1300		1300	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1300	140	1400	ug/Kg	97				66	127	
Di-n-octyl phthalate	1300		1400	ug/Kg	108				71	126	
Benzo(b)fluoranthene	1300	0	1300	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1300		1300	ug/Kg	100				74	114	
Benzo(a)pyrene	1300		1300	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1300		1100	ug/Kg	85				61	125	
Dibenz(a,h)anthracene	1300		1100	ug/Kg	85				67	130	
Benzo(g,h,i)perylene	1300		890	ug/Kg	68				53	140	
1,2,4,5-Tetrachlorobenzene	1300		1400	ug/Kg	108				69	124	
1,4-Dioxane	1300		1200	ug/Kg	92				46	112	
2,3,4,6-Tetrachlorophenol	1300		1400	ug/Kg	108				56	133	
1-Methylnaphthalene	1300		1100	ug/Kg	85				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1894-04MSD	Client Sample ID:	RB40858RTMSD					DataFile:	BG060770.D		
n-Nitrosodimethylamine	1300		1200	ug/Kg	92		16		66	124	20
Pyridine	1300		940	ug/Kg	72		17		45	119	20
Benzaldehyde	1300	0	260	ug/Kg	20	*	10		26	163	20
Aniline	1300		330	ug/Kg	25		11		10	88	20
Phenol	1300		1000	ug/Kg	77		18		67	126	20
bis(2-Chloroethyl)ether	1300		960	ug/Kg	74		14		74	116	20
2-Chlorophenol	1300		1100	ug/Kg	85		8		61	138	20
1,2-Dichlorobenzene	1300		1100	ug/Kg	85		8		61	105	20
1,3-Dichlorobenzene	1300		1100	ug/Kg	85		16		62	101	20
1,4-Dichlorobenzene	1300		1100	ug/Kg	85		16		63	104	20
Benzyl Alcohol	1300		1000	ug/Kg	77		10		47	126	20
2-Methylphenol	1300		930	ug/Kg	72		17		66	122	20
2,2-oxybis(1-Chloropropane)	1300		1000	ug/Kg	77		18		52	115	20
Acetophenone	1300		1000	ug/Kg	77		18		75	111	20
3+4-Methylphenols	1300		960	ug/Kg	74		4		53	132	20
N-Nitroso-di-n-propylamine	1300		860	ug/Kg	66		14		59	119	20
Hexachloroethane	1300		1200	ug/Kg	92		8		65	117	20
Nitrobenzene	1300		1100	ug/Kg	85		16		70	119	20
Isophorone	1300		960	ug/Kg	74	*	14		76	122	20
2-Nitrophenol	1300		1400	ug/Kg	108		6		54	145	20
2,4-Dimethylphenol	1300		830	ug/Kg	64	*	13		83	144	20
bis(2-Chloroethoxy)methane	1300		950	ug/Kg	73		15		68	112	20
2,4-Dichlorophenol	1300		1200	ug/Kg	92		8		72	118	20
1,2,4-Trichlorobenzene	1300		1200	ug/Kg	92		16		57	103	20
Benzoic acid	1300	210	1300	ug/Kg	84		16		50	104	20
Naphthalene	1300		1100	ug/Kg	85		8		72	110	20
4-Chloroaniline	1300		400	ug/Kg	31		6		10	100	20
Hexachlorobutadiene	1300		1300	ug/Kg	100		8		66	114	20
Caprolactam	1300		950	ug/Kg	73		15		51	134	20
4-Chloro-3-methylphenol	1300		1000	ug/Kg	77		18		57	132	20
2-Methylnaphthalene	1300		990	ug/Kg	76		11		59	123	20
Hexachlorocyclopentadiene	2600		1200	ug/Kg	46		34	*	10	175	20
2,4,6-Trichlorophenol	1300		1300	ug/Kg	100		14		72	117	20
2,4,5-Trichlorophenol	1300		1200	ug/Kg	92		16		72	117	20
1,1-Biphenyl	1300		1100	ug/Kg	85		16		75	113	20
2-Chloronaphthalene	1300		1200	ug/Kg	92		8		67	118	20
2-Nitroaniline	1300		1300	ug/Kg	100		8		69	127	20
Dimethylphthalate	1300		980	ug/Kg	75		13		70	113	20
Acenaphthylene	1300		1100	ug/Kg	85		16		79	118	20
2,6-Dinitrotoluene	1300		1200	ug/Kg	92		8		70	125	20
3-Nitroaniline	1300		820	ug/Kg	63		13		20	111	20
Acenaphthene	1300		1100	ug/Kg	85		16		70	121	20
Total PAH	20800	0	17010	ug/Kg	82		14		70	121	20
2,4-Dinitrophenol	2600		1600	ug/Kg	62		35	*	16	160	20
4-Nitrophenol	2600		2500	ug/Kg	96		15		45	133	20
Dibenzofuran	1300		1000	ug/Kg	77		18		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2600		2400	ug/Kg	92		12		55	128	20
2,4-Dinitrotoluene	1300		1200	ug/Kg	92		16		55	128	20
Diethylphthalate	1300		960	ug/Kg	74		14		70	112	20
4-Chlorophenyl-phenylether	1300		1000	ug/Kg	77		18		71	108	20
Fluorene	1300		1000	ug/Kg	77		18		68	116	20
4-Nitroaniline	1300		1100	ug/Kg	85		8		55	120	20
4,6-Dinitro-2-methylphenol	1300		880	ug/Kg	68		22	*	32	145	20
N-Nitrosodiphenylamine	1300		1200	ug/Kg	92		16		73	118	20
Azobenzene	1300		1000	ug/Kg	77		10		73	110	20
4-Bromophenyl-phenylether	1300		1200	ug/Kg	92		16		65	121	20
Hexachlorobenzene	1300		1200	ug/Kg	92		16		67	118	20
Atrazine	1300		1200	ug/Kg	92		8		79	127	20
Pentachlorophenol	2600	2100	4400	ug/Kg	88		17		47	128	20
Phenanthrene	1300	83.1	1100	ug/Kg	79		17		72	113	20
Anthracene	1300		1100	ug/Kg	85		8		62	124	20
Carbazole	1300		1100	ug/Kg	85		8		59	119	20
Di-n-butylphthalate	1300		1100	ug/Kg	85		8		69	118	20
Fluoranthene	1300	66.8	1100	ug/Kg	79		10		59	125	20
Benzidine	2600			ug/Kg		*			10	119	20
Pyrene	1300	0	1100	ug/Kg	80		8		52	128	20
Butylbenzylphthalate	1300		1200	ug/Kg	92		8		64	126	20
3,3-Dichlorobenzidine	1300		640	ug/Kg	49		9		10	164	20
Benzo(a)anthracene	1300		1200	ug/Kg	92		8		71	114	20
Chrysene	1300		1100	ug/Kg	85		16		57	121	20
bis(2-Ethylhexyl)phthalate	1300	140	1200	ug/Kg	82		17		66	127	20
Di-n-octyl phthalate	1300		1200	ug/Kg	92		16		71	126	20
Benzo(b)fluoranthene	1300	0	1100	ug/Kg	85		16		67	121	20
Benzo(k)fluoranthene	1300		1100	ug/Kg	85		16		74	114	20
Benzo(a)pyrene	1300		1100	ug/Kg	85		16		70	142	20
Indeno(1,2,3-cd)pyrene	1300		990	ug/Kg	76		11		61	125	20
Dibenz(a,h)anthracene	1300		930	ug/Kg	72		17		67	130	20
Benzo(g,h,i)perylene	1300		790	ug/Kg	61		11		53	140	20
1,2,4,5-Tetrachlorobenzene	1300		1300	ug/Kg	100		8		69	124	20
1,4-Dioxane	1300		1000	ug/Kg	77		18		46	112	20
2,3,4,6-Tetrachlorophenol	1300		1200	ug/Kg	92		16		56	133	20
1-Methylnaphthalene	1300		980	ug/Kg	75		13		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P1956-04MS		Client Sample ID: RBR200010MS		DataFile: BG060764.D							
n-Nitrosodimethylamine	1200		1200	ug/Kg	100				66	124	
Pyridine	1200		860	ug/Kg	72				45	119	
Benzaldehyde	1200		160	ug/Kg	13	*			26	163	
Aniline	1200		310	ug/Kg	26				10	88	
Phenol	1200		940	ug/Kg	78				67	126	
bis(2-Chloroethyl)ether	1200		810	ug/Kg	68	*			74	116	
2-Chlorophenol	1200		950	ug/Kg	79				61	138	
1,2-Dichlorobenzene	1200		990	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1200		980	ug/Kg	82				62	101	
1,4-Dichlorobenzene	1200		1000	ug/Kg	83				63	104	
Benzyl Alcohol	1200		880	ug/Kg	73				47	126	
2-Methylphenol	1200		860	ug/Kg	72				66	122	
2,2-oxybis(1-Chloropropane)	1200		920	ug/Kg	77				52	115	
Acetophenone	1200		920	ug/Kg	77				75	111	
3+4-Methylphenols	1200		850	ug/Kg	71				53	132	
N-Nitroso-di-n-propylamine	1200		790	ug/Kg	66				59	119	
Hexachloroethane	1200		1000	ug/Kg	83				65	117	
Nitrobenzene	1200		970	ug/Kg	81				70	119	
Isophorone	1200		870	ug/Kg	73	*			76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		730	ug/Kg	61	*			83	144	
bis(2-Chloroethoxy)methane	1200		850	ug/Kg	71				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92				57	103	
Benzoic acid	1200		1100	ug/Kg	92				50	104	
Naphthalene	1200		940	ug/Kg	78				72	110	
4-Chloroaniline	1200		260	ug/Kg	22				10	100	
Hexachlorobutadiene	1200		1100	ug/Kg	92				66	114	
Caprolactam	1200		900	ug/Kg	75				51	134	
4-Chloro-3-methylphenol	1200		980	ug/Kg	82				57	132	
2-Methylnaphthalene	1200		900	ug/Kg	75				59	123	
Hexachlorocyclopentadiene	2400		1400	ug/Kg	58				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		1000	ug/Kg	83				72	117	
1,1-Biphenyl	1200		940	ug/Kg	78				75	113	
2-Chloronaphthalene	1200		980	ug/Kg	82				67	118	
2-Nitroaniline	1200		1100	ug/Kg	92				69	127	
Dimethylphthalate	1200		870	ug/Kg	73				70	113	
Acenaphthylene	1200		990	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1200		1000	ug/Kg	83				70	125	
3-Nitroaniline	1200		640	ug/Kg	53				20	111	
Acenaphthene	1200		1000	ug/Kg	83				70	121	
Total PAH	19200	0	15360	ug/Kg	80				70	121	
2,4-Dinitrophenol	2400		2200	ug/Kg	92				16	160	
4-Nitrophenol	2400		2300	ug/Kg	96				45	133	
Dibenzofuran	1200		940	ug/Kg	78				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1100	ug/Kg	92				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2100	ug/Kg	88				55	128	
Diethylphthalate	1200		890	ug/Kg	74				70	112	
4-Chlorophenyl-phenylether	1200		950	ug/Kg	79				71	108	
Fluorene	1200		940	ug/Kg	78				68	116	
4-Nitroaniline	1200		1000	ug/Kg	83				55	120	
4,6-Dinitro-2-methylphenol	1200		970	ug/Kg	81				32	145	
N-Nitrosodiphenylamine	1200		940	ug/Kg	78				73	118	
Azobenzene	1200		930	ug/Kg	78				73	110	
4-Bromophenyl-phenylether	1200		1000	ug/Kg	83				65	121	
Hexachlorobenzene	1200		1000	ug/Kg	83				67	118	
Atrazine	1200		1000	ug/Kg	83				79	127	
Pentachlorophenol	2400		2300	ug/Kg	96				47	128	
Phenanthrene	1200		970	ug/Kg	81				72	113	
Anthracene	1200		960	ug/Kg	80				62	124	
Carbazole	1200		970	ug/Kg	81				59	119	
Di-n-butylphthalate	1200		940	ug/Kg	78				69	118	
Fluoranthene	1200	77.4	1000	ug/Kg	77				59	125	
Benzidine	2400		1000	ug/Kg	42				10	119	
Pyrene	1200	95.2	1000	ug/Kg	75				52	128	
Butylbenzylphthalate	1200		1000	ug/Kg	83				64	126	
3,3-Dichlorobenzidine	1200		750	ug/Kg	63				10	164	
Benzo(a)anthracene	1200	0	1000	ug/Kg	83				71	114	
Chrysene	1200	69.2	1000	ug/Kg	78				57	121	
bis(2-Ethylhexyl)phthalate	1200		970	ug/Kg	81				66	127	
Di-n-octyl phthalate	1200		1000	ug/Kg	83				71	126	
Benzo(b)fluoranthene	1200	78.6	1000	ug/Kg	77				67	121	
Benzo(k)fluoranthene	1200		990	ug/Kg	83				74	114	
Benzo(a)pyrene	1200		990	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200		910	ug/Kg	76				61	125	
Dibenz(a,h)anthracene	1200		900	ug/Kg	75				67	130	
Benzo(g,h,i)perylene	1200		770	ug/Kg	64				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1000	ug/Kg	83				69	124	
1,4-Dioxane	1200		970	ug/Kg	81				46	112	
2,3,4,6-Tetrachlorophenol	1200		1100	ug/Kg	92				56	133	
1-Methylnaphthalene	1200		890	ug/Kg	74				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1956-04MSD	Client Sample ID:	RBR200010MSD					DataFile:	BG060765.D		
n-Nitrosodimethylamine	1200		1200	ug/Kg	100		0		66	124	20
Pyridine	1200		920	ug/Kg	77		7		45	119	20
Benzaldehyde	1200		170	ug/Kg	14	*	7		26	163	20
Aniline	1200		340	ug/Kg	28		7		10	88	20
Phenol	1200		1000	ug/Kg	83		6		67	126	20
bis(2-Chloroethyl)ether	1200		890	ug/Kg	74		8		74	116	20
2-Chlorophenol	1200		1000	ug/Kg	83		5		61	138	20
1,2-Dichlorobenzene	1200		1100	ug/Kg	92		10		61	105	20
1,3-Dichlorobenzene	1200		1100	ug/Kg	92		11		62	101	20
1,4-Dichlorobenzene	1200		1100	ug/Kg	92		10		63	104	20
Benzyl Alcohol	1200		930	ug/Kg	78		7		47	126	20
2-Methylphenol	1200		910	ug/Kg	76		5		66	122	20
2,2-oxybis(1-Chloropropane)	1200		990	ug/Kg	83		8		52	115	20
Acetophenone	1200		1000	ug/Kg	83		8		75	111	20
3+4-Methylphenols	1200		910	ug/Kg	76		7		53	132	20
N-Nitroso-di-n-propylamine	1200		850	ug/Kg	71		7		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		10		65	117	20
Nitrobenzene	1200		1100	ug/Kg	92		13		70	119	20
Isophorone	1200		960	ug/Kg	80		9		76	122	20
2-Nitrophenol	1200		1300	ug/Kg	108		8		54	145	20
2,4-Dimethylphenol	1200		790	ug/Kg	66	*	8		83	144	20
bis(2-Chloroethoxy)methane	1200		930	ug/Kg	78		9		68	112	20
2,4-Dichlorophenol	1200		1100	ug/Kg	92		0		72	118	20
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92		0		57	103	20
Benzoic acid	1200		1200	ug/Kg	100		8		50	104	20
Naphthalene	1200		1000	ug/Kg	83		6		72	110	20
4-Chloroaniline	1200		260	ug/Kg	22		0		10	100	20
Hexachlorobutadiene	1200		1200	ug/Kg	100		8		66	114	20
Caprolactam	1200		950	ug/Kg	79		5		51	134	20
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92		11		57	132	20
2-Methylnaphthalene	1200		970	ug/Kg	81		8		59	123	20
Hexachlorocyclopentadiene	2400		1600	ug/Kg	67		14		10	175	20
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100		8		72	117	20
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92		10		72	117	20
1,1-Biphenyl	1200		1000	ug/Kg	83		6		75	113	20
2-Chloronaphthalene	1200		1100	ug/Kg	92		11		67	118	20
2-Nitroaniline	1200		1200	ug/Kg	100		8		69	127	20
Dimethylphthalate	1200		950	ug/Kg	79		8		70	113	20
Acenaphthylene	1200		1100	ug/Kg	92		10		79	118	20
2,6-Dinitrotoluene	1200		1100	ug/Kg	92		10		70	125	20
3-Nitroaniline	1200		690	ug/Kg	58		9		20	111	20
Acenaphthene	1200		1100	ug/Kg	92		10		70	121	20
Total PAH	19200	0	16750	ug/Kg	87		8		70	121	20
2,4-Dinitrophenol	2400		2600	ug/Kg	108		16		16	160	20
4-Nitrophenol	2400		2600	ug/Kg	108		12		45	133	20
Dibenzofuran	1200		1000	ug/Kg	83		6		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG040324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1200	ug/Kg	100		8		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2300	ug/Kg	96		9		55	128	20
Diethylphthalate	1200		970	ug/Kg	81		9		70	112	20
4-Chlorophenyl-phenylether	1200		1000	ug/Kg	83		5		71	108	20
Fluorene	1200		1000	ug/Kg	83		6		68	116	20
4-Nitroaniline	1200		1100	ug/Kg	92		10		55	120	20
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92		13		32	145	20
N-Nitrosodiphenylamine	1200		1000	ug/Kg	83		6		73	118	20
Azobenzene	1200		1000	ug/Kg	83		6		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		10		65	121	20
Hexachlorobenzene	1200		1200	ug/Kg	100		19		67	118	20
Atrazine	1200		1100	ug/Kg	92		10		79	127	20
Pentachlorophenol	2400		2400	ug/Kg	100		4		47	128	20
Phenanthrene	1200		1000	ug/Kg	83		2		72	113	20
Anthracene	1200		1000	ug/Kg	83		4		62	124	20
Carbazole	1200		1000	ug/Kg	83		2		59	119	20
Di-n-butylphthalate	1200		1000	ug/Kg	83		6		69	118	20
Fluoranthene	1200	77.4	1100	ug/Kg	85		10		59	125	20
Benzidine	2400		1100	ug/Kg	46		9		10	119	20
Pyrene	1200	95.2	1100	ug/Kg	84		11		52	128	20
Butylbenzylphthalate	1200		1100	ug/Kg	92		10		64	126	20
3,3-Dichlorobenzidine	1200		810	ug/Kg	68		8		10	164	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92		10		71	114	20
Chrysene	1200	69.2	1100	ug/Kg	86		10		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1100	ug/Kg	92		13		66	127	20
Di-n-octyl phthalate	1200		1100	ug/Kg	92		10		71	126	20
Benzo(b)fluoranthene	1200	78.6	1100	ug/Kg	85		10		67	121	20
Benzo(k)fluoranthene	1200		1100	ug/Kg	92		10		74	114	20
Benzo(a)pyrene	1200		1100	ug/Kg	92		10		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1000	ug/Kg	83		9		61	125	20
Dibenz(a,h)anthracene	1200		990	ug/Kg	83		10		67	130	20
Benzo(g,h,i)perylene	1200		860	ug/Kg	72		12		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100		19		69	124	20
1,4-Dioxane	1200		1100	ug/Kg	92		13		46	112	20
2,3,4,6-Tetrachlorophenol	1200		1200	ug/Kg	100		8		56	133	20
1-Methylnaphthalene	1200		950	ug/Kg	79		7		70	130	20

Surrogate Summary

SW-846

SDG No.: **BG040324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1894-04	RB40858RT	BG060768.D	2-Fluorophenol	150	103.96	69		18	112
			Phenol-d6	150	92.53	62		15	107
			Nitrobenzene-d5	100	80.26	80		18	107
			2-Fluorobiphenyl	100	67.15	67		20	109
			2,4,6-Tribromophenol	150	121.00	81		10	110
			Terphenyl-d14	100	60.88	61		14	112
P1894-04MS	RB40858RTMS	BG060769.D	2-Fluorophenol	150	91.23	61		18	112
			Phenol-d6	150	84.07	56		15	107
			Nitrobenzene-d5	100	72.43	72		18	107
			2-Fluorobiphenyl	100	59.23	59		20	109
			2,4,6-Tribromophenol	150	107.05	71		10	110
			Terphenyl-d14	100	53.67	54		14	112
P1894-04MSD	RB40858RTMSD	BG060770.D	2-Fluorophenol	150	83.97	56		18	112
			Phenol-d6	150	74.77	50		15	107
			Nitrobenzene-d5	100	61.20	61		18	107
			2-Fluorobiphenyl	100	51.40	51		20	109
			2,4,6-Tribromophenol	150	94.11	63		10	110
			Terphenyl-d14	100	48.20	48		14	112

Surrogate Summary

SW-846

SDG No.: **BG040324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159882BL	PB159882BL	BG060757.D	2-Fluorophenol	150	179.63	120		10	139
			Phenol-d6	150	131.92	88		10	134
			Nitrobenzene-d5	100	101.55	102		49	133
			2-Fluorobiphenyl	100	84.20	84		52	132
			2,4,6-Tribromophenol	150	182.22	121		32	145
			Terphenyl-d14	100	85.31	85		36	145
PB159882BS	PB159882BS	BG060758.D	2-Fluorophenol	150	178.04	119		10	139
			Phenol-d6	150	134.97	90		10	134
			Nitrobenzene-d5	100	99.26	99		49	133
			2-Fluorobiphenyl	100	81.67	82		52	132
			2,4,6-Tribromophenol	150	181.81	121		32	145
			Terphenyl-d14	100	83.56	84		36	145
PB159882BSD	PB159882BSD	BG060759.D	2-Fluorophenol	150	178.94	119		10	139
			Phenol-d6	150	145.80	97		10	134
			Nitrobenzene-d5	100	96.75	97		49	133
			2-Fluorobiphenyl	100	80.59	81		52	132
			2,4,6-Tribromophenol	150	179.04	119		32	145
			Terphenyl-d14	100	81.99	82		36	145

Surrogate Summary

SW-846

SDG No.: **BG040324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1954-01	RBR21147	BG060760.D	2-Fluorophenol	150	94.71	63		18	112
			Phenol-d6	150	81.74	54		15	107
			Nitrobenzene-d5	100	71.00	71		18	107
			2-Fluorobiphenyl	100	60.06	60		20	109
			2,4,6-Tribromophenol	150	110.73	74		10	110
			Terphenyl-d14	100	59.25	59		14	112
P1955-01	CHRT-20103	BG060766.D	2-Fluorophenol	150	94.19	63		18	112
			Phenol-d6	150	85.73	57		15	107
			Nitrobenzene-d5	100	67.99	68		18	107
			2-Fluorobiphenyl	100	43.09	43		20	109
			2,4,6-Tribromophenol	150	108.44	72		10	110
			Terphenyl-d14	100	38.37	38		14	112
P1956-04	RBR200010	BG060763.D	2-Fluorophenol	150	112.41	75		18	112
			Phenol-d6	150	82.63	55		15	107
			Nitrobenzene-d5	100	69.24	69		18	107
			2-Fluorobiphenyl	100	61.44	61		20	109
			2,4,6-Tribromophenol	150	118.65	79		10	110
			Terphenyl-d14	100	61.19	61		14	112
P1956-04MS	RBR200010MS	BG060764.D	2-Fluorophenol	150	106.62	71		18	112
			Phenol-d6	150	78.50	52		15	107
			Nitrobenzene-d5	100	62.96	63		18	107
			2-Fluorobiphenyl	100	54.97	55		20	109
			2,4,6-Tribromophenol	150	111.03	74		10	110
			Terphenyl-d14	100	57.29	57		14	112
P1956-04MSD	RBR200010MSD	BG060765.D	2-Fluorophenol	150	115.12	77		18	112
			Phenol-d6	150	83.57	56		15	107
			Nitrobenzene-d5	100	71.20	71		18	107
			2-Fluorobiphenyl	100	60.26	60		20	109
			2,4,6-Tribromophenol	150	119.88	80		10	110
			Terphenyl-d14	100	62.02	62		14	112
P1957-01	NM-DRUMS-0402;BG060762.D		2-Fluorophenol	150	103.19	69		18	112
			Phenol-d6	150	92.65	62		15	107
			Nitrobenzene-d5	100	67.33	67		18	107
			2-Fluorobiphenyl	100	53.31	53		20	109
			2,4,6-Tribromophenol	150	111.40	74		10	110
			Terphenyl-d14	100	48.82	49		14	112
P1958-01	VNJ-207	BG060767.D	2-Fluorophenol	150	116.76	78		18	112
			Phenol-d6	150	85.96	57		15	107
			Nitrobenzene-d5	100	71.15	71		18	107
			2-Fluorobiphenyl	100	59.09	59		20	109
			2,4,6-Tribromophenol	150	118.39	79		10	110
			Terphenyl-d14	100	55.03	55		14	112
P1960-02	20071	BG060761.D	2-Fluorophenol	150	37.52	25		18	112
			Phenol-d6	150	26.79	18		15	107
			Nitrobenzene-d5	100	23.94	24		18	107
			2-Fluorobiphenyl	100	23.66	24		20	109
			2,4,6-Tribromophenol	150	33.13	22		10	110
			Terphenyl-d14	100	19.31	19		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG040324

Lab Code: CHEM

SAS No.: BG040324

SDG NO.: BG040324

Lab File ID: BG060755.D

DFTPP Injection Date: 04/03/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.6
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.3 (0.8) 1
127	10.0 - 80.0% of mass 198	41
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	83.2
443	15.0 - 24.0% of mass 442	16 (19.2) 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	BG060756.D	04/03/2024	09:50
PB159882BL	PB159882BL	BG060757.D	04/03/2024	10:32
PB159882BS	PB159882BS	BG060758.D	04/03/2024	11:13
PB159882BSD	PB159882BSD	BG060759.D	04/03/2024	11:54
RBR21147	P1954-01	BG060760.D	04/03/2024	13:24
20071	P1960-02	BG060761.D	04/03/2024	14:05
NM-DRUMS-040224	P1957-01	BG060762.D	04/03/2024	14:46
RBR200010	P1956-04	BG060763.D	04/03/2024	15:27
RBR200010MS	P1956-04MS	BG060764.D	04/03/2024	16:08
RBR200010MSD	P1956-04MSD	BG060765.D	04/03/2024	16:49
CHRT-20103	P1955-01	BG060766.D	04/03/2024	17:31
VNJ-207	P1958-01	BG060767.D	04/03/2024	18:12
RB40858RT	P1894-04	BG060768.D	04/03/2024	18:53
RB40858RTMS	P1894-04MS	BG060769.D	04/03/2024	19:34
RB40858RTMSD	P1894-04MSD	BG060770.D	04/03/2024	20:15