

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG041924 SAS No.: BG041924 SDG No.: BG041924

Instrument ID: BNA_G Calibration Date/Time: 4/19/2024 11:24

Lab File ID: BG060955.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	0.945	0.945		0.0	
Pyridine	1.481	1.124		-24.105	
2-Fluorophenol	1.151	1.054		-8.427	
Benzaldehyde	0.891	0.773		-13.244	
Aniline	2.021	1.712		-15.289	
Phenol-d6	1.659	1.456		-12.236	
Phenol	1.662	1.465		-11.853	20.0
bis(2-Chloroethyl) ether	1.289	1.035		-19.705	
2-Chlorophenol	1.310	1.208		-7.786	
1,2-Dichlorobenzene	1.386	1.311		-5.411	
1,3-Dichlorobenzene	1.392	1.343		-3.52	
1,4-Dichlorobenzene	1.425	1.367		-4.07	20.0
Benzyl Alcohol	1.427	1.328		-6.938	
2-Methylphenol	1.313	1.172		-10.739	
2,2-oxybis(1-Chloropropane)	3.116	2.585		-17.041	
Acetophenone	0.570	0.529		-7.193	
3+4-Methylphenols	1.822	1.598		-12.294	
n-Nitroso-di-n-propylamine	1.263	1.084	0.050	-14.173	
Nitrobenzene-d5	0.441	0.439		-0.454	
Hexachloroethane	0.506	0.488		-3.557	
Nitrobenzene	0.432	0.415		-3.935	
Isophorone	0.813	0.725		-10.824	
2-Nitrophenol	0.182	0.193		6.044	20.0
2,4-Dimethylphenol	0.320	0.309		-3.438	
bis(2-Chloroethoxy) methane	0.457	0.408		-10.722	
2,4-Dichlorophenol	0.347	0.348		0.288	20.0
1,2,4-Trichlorobenzene	0.372	0.375		0.806	
Benzoic acid	0.259	0.264		1.931	
Naphthalene	1.082	1.040		-3.882	
4-Chloroaniline	0.507	0.465		-8.284	
Hexachlorobutadiene	0.265	0.315		18.868	20.0
Caprolactam	0.128	0.113		-11.719	
4-Chloro-3-methylphenol	0.420	0.403		-4.048	20.0
2-Methylnaphthalene	0.818	0.813		-0.611	
Hexachlorocyclopentadiene	0.316	0.394	0.050	24.684	
2,4,6-Trichlorophenol	0.429	0.436		1.632	20.0
2-Fluorobiphenyl	1.363	1.393		2.201	
2,4,5-Trichlorophenol	0.518	0.530		2.317	
1,1-Biphenyl	1.360	1.322		-2.794	

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Lab File ID: BG060955.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	1.041	1.008		-3.17	
2-Nitroaniline	0.427	0.407		-4.684	
Dimethylphthalate	1.587	1.533		-3.403	
Acenaphthylene	1.760	1.708		-2.955	
2,6-Dinitrotoluene	0.323	0.330		2.167	
3-Nitroaniline	0.355	0.322		-9.296	
Acenaphthene	1.067	1.033		-3.187	20.0
2,4-Dinitrophenol	0.179	0.200	0.050	11.732	
4-Nitrophenol	0.272	0.257	0.050	-5.515	
Dibenzofuran	1.803	1.736		-3.716	
2,4-Dinitrotoluene	0.462	0.468		1.299	
Diethylphthalate	1.590	1.511		-4.969	
4-Chlorophenyl-phenylether	0.829	0.844		1.809	
Fluorene	1.496	1.431		-4.345	
4-Nitroaniline	0.382	0.353		-7.592	
4,6-Dinitro-2-methylphenol	0.112	0.125		11.607	
n-Nitrosodiphenylamine	0.549	0.537		-2.186	20.0
Azobenzene	1.498	1.311		-12.483	
2,4,6-Tribromophenol	0.330	0.381		15.455	
4-Bromophenyl-phenylether	0.224	0.242		8.036	
Hexachlorobenzene	0.244	0.261		6.967	
Atrazine	0.197	0.204		3.553	
Pentachlorophenol	0.165	0.184		11.515	20.0
Phenanthrene	1.012	0.966		-4.545	
Anthracene	1.040	1.004		-3.462	
Carbazole	0.906	0.843		-6.954	
Di-n-butylphthalate	1.091	1.019		-6.599	
Fluoranthene	1.289	1.261		-2.172	20.0
Benzidine	0.441	0.440		-0.227	
Pyrene	1.372	1.327		-3.28	
Terphenyl-d14	1.146	1.223		6.719	
Butylbenzylphthalate	0.504	0.470		-6.746	
3,3-Dichlorobenzidine	0.503	0.489		-2.783	
Benzo(a)anthracene	1.412	1.374		-2.691	
Chrysene	1.348	1.307		-3.042	
Bis(2-ethylhexyl)phthalate	0.745	0.661		-11.275	
Di-n-octyl phthalate	1.286	1.130		-12.131	20.0
Benzo(b)fluoranthene	1.132	1.094		-3.357	
Benzo(k)fluoranthene	1.158	1.093		-5.613	

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Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG041924 SAS No.: BG041924 SDG No.: BG041924
 Instrument ID: BNA_G Calibration Date/Time: 4/19/2024 11:24
 Lab File ID: BG060955.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	1.116	1.050		-5.914	20.0
Indeno(1,2,3-cd)pyrene	1.383	1.319		-4.628	
Dibenzo(a,h)anthracene	1.138	1.090		-4.218	
Benzo(g,h,i)perylene	1.113	1.073		-3.594	
1,2,4,5-Tetrachlorobenzene	0.617	0.672		8.914	
1,4-Dioxane	0.465	0.439		-5.591	20.0
2,3,4,6-Tetrachlorophenol	0.475	0.500		5.263	
1-Methylnaphthalene	0.772	0.755		-2.202	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BL	SDG No.:	BG041924
Lab Sample ID:	PB160349BL	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
BG060956.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

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

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BL	SDG No.:	BG041924
Lab Sample ID:	PB160349BL	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
BG060956.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

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

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BL	SDG No.:	BG041924
Lab Sample ID:	PB160349BL	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
BG060956.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

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	134.143		10-139		89	SPK: -150
13127-88-3	Phenol-d6	125.624		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	86.287		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	86.752		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160349BL	SDG No.:	BG041924
Lab Sample ID:	PB160349BL	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
BG060956.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	162.946		32-145		109	SPK: -150
1718-51-0	Terphenyl-d14	92.996		36-145		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	22929	7.935				
1146-65-2	Naphthalene-d8	85623	10.738				
15067-26-2	Acenaphthene-d10	77135	14.569				
1517-22-2	Phenanthrene-d10	214242	17.318				
1719-03-5	Chrysene-d12	224971	21.572				
1520-96-3	Perylene-d12	254507	24.698				



Client:				Date Collected:	4/15/2024 12:00:00 AM	
Project:				Date Received:	4/15/2024 12:00:00 AM	
Client Sample ID:	B-101-SB01			SDG No.:	BG041924	
Lab Sample ID:	P2125-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	17.1	
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060957.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	400	ug/Kg
110-86-1	Pyridine	96.2	U	96.2	160	200	ug/Kg
100-52-7	Benzaldehyde	220	U	220	320	400	ug/Kg
62-53-3	Aniline	120	U	120	160	200	ug/Kg
108-95-2	Phenol	99.8	U	99.8	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	200	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	200	ug/Kg
100-51-6	Benzyl Alcohol	99.9	U	99.9	320	400	ug/Kg
95-48-7	2-Methylphenol	97	U	97	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	96	U	96	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	48.5	U	48.5	96.3	96.3	ug/Kg
67-72-1	Hexachloroethane	99.9	U	99.9	160	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	200	ug/Kg
78-59-1	Isophorone	100	U	100	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90.9	U	90.9	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2000		100	160	200	ug/Kg
65-85-0	Benzoic acid	290	U	290	320	400	ug/Kg
91-20-3	Naphthalene	120	J	99.4	160	200	ug/Kg
106-47-8	4-Chloroaniline	99.4	U	99.4	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-101-SB01	SDG No.:	BG041924
Lab Sample ID:	P2125-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.07	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
BG060957.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.3	U	93.3	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	170	J	99.3	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	320	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.9	U	85.9	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	89.1	U	89.1	160	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	160	200	ug/Kg
131-11-3	Dimethylphthalate	98.3	U	98.3	160	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	97.6	U	97.6	160	200	ug/Kg
Total PAH	Total PAH	2320	U	1583.1	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	320	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	200	U	200	160	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	160	200	ug/Kg
84-66-2	Diethylphthalate	96.4	U	96.4	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	160	200	ug/Kg
86-73-7	Fluorene	100	U	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.2	U	98.2	160	200	ug/Kg
103-33-3	Azobenzene	95.8	U	95.8	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95	U	95	160	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-101-SB01	SDG No.:	BG041924
Lab Sample ID:	P2125-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060957.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	93	U	93	320	400	ug/Kg
85-01-8	Phenanthrene	280		100	160	200	ug/Kg
120-12-7	Anthracene	100	U	100	160	200	ug/Kg
86-74-8	Carbazole	96.6	U	96.6	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	200	ug/Kg
206-44-0	Fluoranthene	320		98.3	160	200	ug/Kg
92-87-5	Benzidine	200	U	200	320	400	ug/Kg
129-00-0	Pyrene	260		99.9	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	97.1	160	200	ug/Kg
218-01-9	Chrysene	330		95.7	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	340		97.6	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	99.4	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	160	J	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	94	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	97.7	U	97.7	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	J	96.4	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	J	100	160	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	89.9	U	89.9	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	210		100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.688		18-112		60	SPK: -150
13127-88-3	Phenol-d6	82.647		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	59.565		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	66.164		20-109		66	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-101-SB01	SDG No.:	BG041924
Lab Sample ID:	P2125-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.07	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
BG060957.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	101.624		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	60.462		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29485	7.938				
1146-65-2	Naphthalene-d8	125109	10.735				
15067-26-2	Acenaphthene-d10	96702	14.565				
1517-22-2	Phenanthrene-d10	219000	17.315				
1719-03-5	Chrysene-d12	229715	21.581				
1520-96-3	Perylene-d12	268375	24.695				
TENTATIVE IDENTIFIED COMPOUNDS							
031508-00-6	1,1-Biphenyl, 2,3,4,4,5-pentach	4100	J			19.236	
076842-07-4	2,3,3,4,5- Pentachloro-1,1-bip	2900	J			19.519	
035694-04-3	1,1-Biphenyl, 2,2,3,3,5,5-Hexa	3100	J			20.088	
041411-63-6	2,3,4,4,5,6-Hexachloro-1,1-biphe	1700	J			20.13	
068194-15-0	1,1-Biphenyl, 2,2,3,4,5,6-Hexac	7800	J			20.229	
035065-28-2	1,1-Biphenyl, 2,2,3,4,4,5-hexa	1100	J			20.423	
035065-27-1	1,1-Biphenyl, 2,2,4,4,5,5-hexa	8700	J			20.511	
060145-22-4	1,1-Biphenyl, 2,2,4,4,5,6-Hexa	2300	J			20.558	
061798-70-7	1,1-Biphenyl, 2,2,3,3,4,6-Hexac	4500	J			20.664	
	unknown20.829	7800	J			20.829	
068194-16-1	2,2,3,3,4,5,6-Heptachloro-1,1-b	970	J			20.876	
052663-71-5	1,1-Biphenyl, 2,2,3,3,4,4,6-he	5800	J			20.982	
035065-30-6	1,1-Biphenyl, 2,2,3,3,4,4,5-he	2600	J			21.046	
052663-67-9	1,1-Biphenyl, 2,2,3,3,5,5,6-he	5000	J			21.281	
041411-64-7	1,1-Biphenyl, 2,3,3,4,4,5,6-Hep	2900	J			21.34	
040186-70-7	2,2,3,3,4,5,6-Heptachlorobiphen	1000	J			21.404	
	unknown22.021	4300	J			22.021	
068194-17-2	1,1-Biphenyl, 2,2,3,3,4,5,5,6-	2300	J			22.098	
042740-50-1	1,1-Biphenyl, 2,2,3,3,4,4,5,6	2700	J			22.192	

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-101-SB01	SDG No.:	BG041924
Lab Sample ID:	P2125-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.07	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
BG060957.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
035694-08-7	1,1-Biphenyl, 2,2,3,3,4,4,5,5	2200	J			22.973	

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB01	SDG No.:	BG041924
Lab Sample ID:	P2124-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.1
Sample Wt/Vol:	30.04	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
BG060958.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	420	ug/Kg
110-86-1	Pyridine	100	U	100	160	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	ug/Kg
62-53-3	Aniline	120	U	120	160	220	ug/Kg
108-95-2	Phenol	100	U	100	160	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	160	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	340	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	160	220	ug/Kg
98-86-2	Acetophenone	110	U	110	160	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51	U	51	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	160	220	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	220	ug/Kg
78-59-1	Isophorone	110	U	110	160	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	220	ug/Kg
120-83-2	2,4-Dichlorophenol	95.6	U	95.6	160	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	220	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	420	ug/Kg
91-20-3	Naphthalene	100	U	100	160	220	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	160	220	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB01	SDG No.:	BG041924
Lab Sample ID:	P2124-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.1
Sample Wt/Vol:	30.04	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
BG060958.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.1	U	98.1	160	220	ug/Kg
91-57-6	2-Methylnaphthalene	2600		100	160	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.4	U	90.4	160	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.7	U	93.7	160	220	ug/Kg
92-52-4	1,1-Biphenyl	750		110	160	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	160	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	220	ug/Kg
208-96-8	Acenaphthylene	260		110	160	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	220	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	220	ug/Kg
83-32-9	Acenaphthene	8000	E	100	160	220	ug/Kg
Total PAH	Total PAH	52320	E	1668.9	160	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	ug/Kg
132-64-9	Dibenzofuran	5800	E	110	160	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	160	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	220	ug/Kg
86-73-7	Fluorene	7800	E	110	160	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	160	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	220	ug/Kg
103-33-3	Azobenzene	100	U	100	160	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.9	U	99.9	160	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	220	ug/Kg
1912-24-9	Atrazine	120	U	120	160	220	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB01	SDG No.:	BG041924
Lab Sample ID:	P2124-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.1
Sample Wt/Vol:	30.04	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
BG060958.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.8	U	97.8	340	420	ug/Kg
85-01-8	Phenanthrene	15200	E	110	160	220	ug/Kg
120-12-7	Anthracene	5800	E	110	160	220	ug/Kg
86-74-8	Carbazole	550		100	160	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	220	ug/Kg
206-44-0	Fluoranthene	6900	E	100	160	220	ug/Kg
92-87-5	Benzidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	4600	E	110	160	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	1100		100	160	220	ug/Kg
218-01-9	Chrysene	1000		100	160	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	160	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	640		100	160	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	J	100	160	220	ug/Kg
50-32-8	Benzo(a)pyrene	460		120	160	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	J	98.9	160	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	J	100	160	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.6	U	94.6	160	220	ug/Kg
90-12-0	1-Methylnaphthalene	3000		110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.275		18-112		48	SPK: -150
13127-88-3	Phenol-d6	72.656		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	51.165		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	51.987		20-109		52	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB01	SDG No.:	BG041924
Lab Sample ID:	P2124-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.1
Sample Wt/Vol:	30.04	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
BG060958.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.037		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	51.293		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29072	7.942				
1146-65-2	Naphthalene-d8	111712	10.732				
15067-26-2	Acenaphthene-d10	93685	14.569				
1517-22-2	Phenanthrene-d10	199617	17.325				
1719-03-5	Chrysene-d12	197186	21.578				
1520-96-3	Perylene-d12	247589	24.692				
TENTATIVE IDENTIFIED COMPOUNDS							
004889-83-2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-tr	940	J			6.637	
000581-42-0	Naphthalene, 2,6-dimethyl-	2100	J			13.735	
000575-41-7	Naphthalene, 1,3-dimethyl-	2300	J			13.899	
000575-43-9	Naphthalene, 1,6-dimethyl-	1200	J			13.952	
000581-40-8	Naphthalene, 2,3-dimethyl-	840	J			14.128	
007320-53-8	Dibenzofuran, 4-methyl-	1300	J			15.92	
001730-37-6	9H-Fluorene, 1-methyl-	2100	J			16.625	
001430-97-3	9H-Fluorene, 2-methyl-	790	J			16.772	
042224-48-6	2-[2-Phenylethenyl]phenol	1000	J			16.855	
036393-42-7	4-(4-Methylphenyl)benzaldehyde	920	J			16.896	
400744-83-4	3-Methyl-[1,1-biphenyl]-4-carbal	1100	J			17.049	
000132-65-0	Dibenzothiophene	1500	J			17.137	
000832-69-9	Phenanthrene, 1-methyl-	2400	J			18.2	
002531-84-2	Phenanthrene, 2-methyl-	2500	J			18.247	
000610-48-0	Anthracene, 1-methyl-	1100	J			18.329	
000203-64-5	4H-Cyclopenta[def]phenanthrene	3700	J			18.394	
000613-12-7	Anthracene, 2-methyl-	920	J			18.429	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	990	J			18.694	
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	1700	J			18.946	

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB01	SDG No.:	BG041924
Lab Sample ID:	P2124-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.1
Sample Wt/Vol:	30.04	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
BG060958.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
001576-67-6	Phenanthrene, 3,6-dimethyl-	770	J			19.111	

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	RBR200027-E2	SDG No.:	BG041924
Lab Sample ID:	P2187-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.2
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060959.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.6	U	58.6	180	220	ug/Kg
110-86-1	Pyridine	54	U	54	87.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.4	U	65.4	87.8	110	ug/Kg
108-95-2	Phenol	56	U	56	87.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.5	U	56.5	87.8	110	ug/Kg
95-57-8	2-Chlorophenol	56.4	U	56.4	87.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.1	U	57.1	87.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.1	U	58.1	87.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.4	U	58.4	87.8	110	ug/Kg
100-51-6	Benzyl Alcohol	56.1	U	56.1	180	220	ug/Kg
95-48-7	2-Methylphenol	54.4	U	54.4	87.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.4	U	61.4	87.8	110	ug/Kg
98-86-2	Acetophenone	58.7	U	58.7	87.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.9	U	53.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.2	U	27.2	54	54	ug/Kg
67-72-1	Hexachloroethane	56.1	U	56.1	87.8	110	ug/Kg
98-95-3	Nitrobenzene	61.3	U	61.3	87.8	110	ug/Kg
78-59-1	Isophorone	57.1	U	57.1	87.8	110	ug/Kg
88-75-5	2-Nitrophenol	63.8	U	63.8	87.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.9	U	62.9	87.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.9	U	57.9	87.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51	U	51	87.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.7	U	57.7	87.8	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.8	U	55.8	87.8	110	ug/Kg
106-47-8	4-Chloroaniline	55.8	U	55.8	87.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.3	U	56.3	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	RBR200027-E2	SDG No.:	BG041924
Lab Sample ID:	P2187-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060959.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.6	U	58.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.3	U	52.3	87.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	55.7	U	55.7	87.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.2	U	48.2	87.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	87.8	110	ug/Kg
92-52-4	1,1-Biphenyl	59	U	59	87.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.3	U	56.3	87.8	110	ug/Kg
88-74-4	2-Nitroaniline	64.2	U	64.2	87.8	110	ug/Kg
131-11-3	Dimethylphthalate	55.2	U	55.2	87.8	110	ug/Kg
208-96-8	Acenaphthylene	58.4	U	58.4	87.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.2	U	56.2	87.8	110	ug/Kg
99-09-2	3-Nitroaniline	60.2	U	60.2	87.8	110	ug/Kg
83-32-9	Acenaphthene	54.8	U	54.8	87.8	110	ug/Kg
Total PAH	Total PAH	1347.1	U	894.9	87.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.3	U	78.3	180	220	ug/Kg
132-64-9	Dibenzofuran	57	U	57	87.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.4	U	114.4	87.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.2	U	58.2	87.8	110	ug/Kg
84-66-2	Diethylphthalate	54.1	U	54.1	87.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.8	U	57.8	87.8	110	ug/Kg
86-73-7	Fluorene	57.7	U	57.7	87.8	110	ug/Kg
100-01-6	4-Nitroaniline	72.3	U	72.3	87.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79	U	79	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.1	U	55.1	87.8	110	ug/Kg
103-33-3	Azobenzene	53.8	U	53.8	87.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.3	U	53.3	87.8	110	ug/Kg
118-74-1	Hexachlorobenzene	57.4	U	57.4	87.8	110	ug/Kg
1912-24-9	Atrazine	61.7	U	61.7	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	RBR200027-E2	SDG No.:	BG041924
Lab Sample ID:	P2187-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060959.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.2	U	52.2	180	220	ug/Kg
85-01-8	Phenanthrene	110		56.7	87.8	110	ug/Kg
120-12-7	Anthracene	57	U	57	87.8	110	ug/Kg
86-74-8	Carbazole	54.2	U	54.2	87.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.9	U	56.9	87.8	110	ug/Kg
206-44-0	Fluoranthene	250		55.2	87.8	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	200		56.1	87.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.4	U	65.4	87.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.6	U	66.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	120		54.5	87.8	110	ug/Kg
218-01-9	Chrysene	150		53.7	87.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.5	U	61.5	87.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	74.3	U	74.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	180		54.8	87.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	67.6	J	55.8	87.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	120		62.8	87.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.9	J	52.7	87.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.8	U	54.8	87.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	78.6	J	54.1	87.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.6	U	58.6	87.8	110	ug/Kg
123-91-1	1,4-Dioxane	74.3	U	74.3	87.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.5	U	50.5	87.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	56.2	U	56.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.129		18-112		61	SPK: -150
13127-88-3	Phenol-d6	90.066		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	62.307		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	62.294		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	RBR200027-E2	SDG No.:	BG041924
Lab Sample ID:	P2187-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060959.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.767		10-110		77	SPK: -150
1718-51-0	Terphenyl-d14	64.037		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26775	7.941				
1146-65-2	Naphthalene-d8	106600	10.732				
15067-26-2	Acenaphthene-d10	90853	14.568				
1517-22-2	Phenanthrene-d10	214620	17.312				
1719-03-5	Chrysene-d12	209731	21.572				
1520-96-3	Perylene-d12	248365	24.692				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	100	J			3.164	
	unknown3.675	76.3	J			3.675	
000544-64-9	Myristoleic acid	50.2	J			18.088	
000057-10-3	n-Hexadecanoic acid	330	J			18.223	
000057-11-4	Octadecanoic acid	48.6	J			19.492	
000112-88-9	1-Octadecene	74.5	J			21.249	
125456-63-5	(2E,6E,10E)-3,7,11,15-Tetramethylh	250	J			23.252	
000192-97-2	Benzo[e]pyrene	92.8	J			24.398	

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	222177	SDG No.:	BG041924
Lab Sample ID:	P2188-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.05	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
BG060960.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.1	U	59.1	180	220	ug/Kg
110-86-1	Pyridine	54.4	U	54.4	88.4	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.9	U	65.9	88.4	120	ug/Kg
108-95-2	Phenol	56.4	U	56.4	88.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.9	U	56.9	88.4	120	ug/Kg
95-57-8	2-Chlorophenol	56.8	U	56.8	88.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.6	U	57.6	88.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.5	U	58.5	88.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.9	U	58.9	88.4	120	ug/Kg
100-51-6	Benzyl Alcohol	56.5	U	56.5	180	220	ug/Kg
95-48-7	2-Methylphenol	54.8	U	54.8	88.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.8	U	61.8	88.4	120	ug/Kg
98-86-2	Acetophenone	59.1	U	59.1	88.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.3	U	54.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.4	U	27.4	54.4	54.4	ug/Kg
67-72-1	Hexachloroethane	56.5	U	56.5	88.4	120	ug/Kg
98-95-3	Nitrobenzene	61.8	U	61.8	88.4	120	ug/Kg
78-59-1	Isophorone	57.6	U	57.6	88.4	120	ug/Kg
88-75-5	2-Nitrophenol	64.3	U	64.3	88.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.4	U	63.4	88.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.4	U	58.4	88.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.4	U	51.4	88.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.1	U	58.1	88.4	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56.2	U	56.2	88.4	120	ug/Kg
106-47-8	4-Chloroaniline	56.2	U	56.2	88.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.7	U	56.7	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	222177	SDG No.:	BG041924
Lab Sample ID:	P2188-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.05	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
BG060960.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59.1	U	59.1	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.7	U	52.7	88.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.1	U	56.1	88.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.6	U	48.6	88.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.3	U	50.3	88.4	120	ug/Kg
92-52-4	1,1-Biphenyl	59.5	U	59.5	88.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.7	U	56.7	88.4	120	ug/Kg
88-74-4	2-Nitroaniline	64.6	U	64.6	88.4	120	ug/Kg
131-11-3	Dimethylphthalate	55.6	U	55.6	88.4	120	ug/Kg
208-96-8	Acenaphthylene	58.9	U	58.9	88.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.6	U	56.6	88.4	120	ug/Kg
99-09-2	3-Nitroaniline	60.7	U	60.7	88.4	120	ug/Kg
83-32-9	Acenaphthene	55.2	U	55.2	88.4	120	ug/Kg
Total PAH	Total PAH	1478.7	U	901.7	88.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	180	220	ug/Kg
132-64-9	Dibenzofuran	57.4	U	57.4	88.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.6	U	58.6	88.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15.2	U	115.2	88.4	240	ug/Kg
84-66-2	Diethylphthalate	54.5	U	54.5	88.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.2	U	58.2	88.4	120	ug/Kg
86-73-7	Fluorene	58.2	U	58.2	88.4	120	ug/Kg
100-01-6	4-Nitroaniline	72.8	U	72.8	88.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.6	U	79.6	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.5	U	55.5	88.4	120	ug/Kg
103-33-3	Azobenzene	54.2	U	54.2	88.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.7	U	53.7	88.4	120	ug/Kg
118-74-1	Hexachlorobenzene	57.8	U	57.8	88.4	120	ug/Kg
1912-24-9	Atrazine	62.2	U	62.2	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	222177	SDG No.:	BG041924
Lab Sample ID:	P2188-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.05	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
BG060960.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.6	U	52.6	180	220	ug/Kg
85-01-8	Phenanthrene	87.2	J	57.2	88.4	120	ug/Kg
120-12-7	Anthracene	57.4	U	57.4	88.4	120	ug/Kg
86-74-8	Carbazole	54.6	U	54.6	88.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.4	U	57.4	88.4	120	ug/Kg
206-44-0	Fluoranthene	230		55.6	88.4	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	230		56.5	88.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.9	U	65.9	88.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.1	U	67.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	130		54.9	88.4	120	ug/Kg
218-01-9	Chrysene	170		54.1	88.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.9	U	61.9	88.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.8	U	74.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	250		55.2	88.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.4	J	56.2	88.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	130		63.3	88.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.6	J	53.1	88.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.2	U	55.2	88.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	83.5	J	54.5	88.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.1	U	59.1	88.4	120	ug/Kg
123-91-1	1,4-Dioxane	74.8	U	74.8	88.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.8	U	50.8	88.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.6	U	56.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.974		18-112		58	SPK: -150
13127-88-3	Phenol-d6	80.794		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	58.537		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	57.094		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	222177	SDG No.:	BG041924
Lab Sample ID:	P2188-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	50.05	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
BG060960.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.369		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	59.917		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	31986	7.94				
1146-65-2	Naphthalene-d8	120018	10.731				
15067-26-2	Acenaphthene-d10	94356	14.568				
1517-22-2	Phenanthrene-d10	207498	17.318				
1719-03-5	Chrysene-d12	188712	21.577				
1520-96-3	Perylene-d12	229287	24.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	95.3	J			3.164	
	unknown10.796	56.9	J			10.796	
000629-92-5	Nonadecane	290	J			18.111	
000057-10-3	n-Hexadecanoic acid	360	J			18.222	
010544-96-4	Octadecane, 6-methyl-	52.2	J			18.275	
000593-45-3	Octadecane	150	J			18.34	
001560-86-7	Nonadecane, 2-methyl-	270	J			18.534	
004282-44-4	1-Iodoundecane	330	J			18.775	
002882-96-4	Pentadecane, 3-methyl-	260	J			18.986	
001560-88-9	Octadecane, 2-methyl-	490	J			19.163	
013286-73-2	Tridecane, 3-ethyl-	130	J			19.497	
001928-30-9	Tricosane, 2-methyl-	280	J			20.267	
000638-67-5	Tricosane	450	J			20.314	
001560-89-0	Heptadecane, 2-methyl-	450	J			20.449	

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2	SDG No.:	BG041924
Lab Sample ID:	P2189-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060961.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.7	U	58.7	180	220	ug/Kg
110-86-1	Pyridine	54.1	U	54.1	88	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.6	U	65.6	88	120	ug/Kg
108-95-2	Phenol	56.1	U	56.1	88	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.6	U	56.6	88	120	ug/Kg
95-57-8	2-Chlorophenol	56.5	U	56.5	88	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.2	U	57.2	88	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.2	U	58.2	88	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.5	U	58.5	88	120	ug/Kg
100-51-6	Benzyl Alcohol	56.2	U	56.2	180	220	ug/Kg
95-48-7	2-Methylphenol	54.5	U	54.5	88	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.5	U	61.5	88	120	ug/Kg
98-86-2	Acetophenone	58.8	U	58.8	88	120	ug/Kg
65794-96-9	3+4-Methylphenols	54	U	54	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.3	U	27.3	54.1	54.1	ug/Kg
67-72-1	Hexachloroethane	56.2	U	56.2	88	120	ug/Kg
98-95-3	Nitrobenzene	61.4	U	61.4	88	120	ug/Kg
78-59-1	Isophorone	57.2	U	57.2	88	120	ug/Kg
88-75-5	2-Nitrophenol	63.9	U	63.9	88	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.1	U	63.1	88	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.1	U	58.1	88	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.1	U	51.1	88	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.8	U	57.8	88	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.9	U	55.9	88	120	ug/Kg
106-47-8	4-Chloroaniline	55.9	U	55.9	88	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.4	U	56.4	88	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2	SDG No.:	BG041924
Lab Sample ID:	P2189-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060961.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.7	U	58.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.4	U	52.4	88	120	ug/Kg
91-57-6	2-Methylnaphthalene	55.8	U	55.8	88	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.3	U	48.3	88	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.1	U	50.1	88	120	ug/Kg
92-52-4	1,1-Biphenyl	59.1	U	59.1	88	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.4	U	56.4	88	120	ug/Kg
88-74-4	2-Nitroaniline	64.3	U	64.3	88	120	ug/Kg
131-11-3	Dimethylphthalate	55.3	U	55.3	88	120	ug/Kg
208-96-8	Acenaphthylene	58.5	U	58.5	88	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.3	U	56.3	88	120	ug/Kg
99-09-2	3-Nitroaniline	60.4	U	60.4	88	120	ug/Kg
83-32-9	Acenaphthene	54.9	U	54.9	88	120	ug/Kg
Total PAH	Total PAH	896.6	U	896.6	88	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.5	U	78.5	180	220	ug/Kg
132-64-9	Dibenzofuran	57.1	U	57.1	88	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.6	U	114.6	88	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.3	U	58.3	88	120	ug/Kg
84-66-2	Diethylphthalate	54.2	U	54.2	88	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.9	U	57.9	88	120	ug/Kg
86-73-7	Fluorene	57.9	U	57.9	88	120	ug/Kg
100-01-6	4-Nitroaniline	72.4	U	72.4	88	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.2	U	79.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.2	U	55.2	88	120	ug/Kg
103-33-3	Azobenzene	53.9	U	53.9	88	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.4	U	53.4	88	120	ug/Kg
118-74-1	Hexachlorobenzene	57.5	U	57.5	88	120	ug/Kg
1912-24-9	Atrazine	61.8	U	61.8	88	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2	SDG No.:	BG041924
Lab Sample ID:	P2189-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060961.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.3	U	52.3	180	220	ug/Kg
85-01-8	Phenanthrene	56.8	U	56.8	88	120	ug/Kg
120-12-7	Anthracene	57.1	U	57.1	88	120	ug/Kg
86-74-8	Carbazole	54.3	U	54.3	88	120	ug/Kg
84-74-2	Di-n-butylphthalate	57	U	57	88	120	ug/Kg
206-44-0	Fluoranthene	55.3	U	55.3	88	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	56.2	U	56.2	88	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.5	U	65.5	88	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.7	U	66.7	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.6	U	54.6	88	120	ug/Kg
218-01-9	Chrysene	53.8	U	53.8	88	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.6	U	61.6	88	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.4	U	74.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.9	U	54.9	88	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.9	U	55.9	88	120	ug/Kg
50-32-8	Benzo(a)pyrene	62.9	U	62.9	88	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52.8	U	52.8	88	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.9	U	54.9	88	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.2	U	54.2	88	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.7	U	58.7	88	120	ug/Kg
123-91-1	1,4-Dioxane	74.4	U	74.4	88	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.5	U	50.5	88	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.3	U	56.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.327		18-112		79	SPK: -150
13127-88-3	Phenol-d6	109.494		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	72.43		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	78.447		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2	SDG No.:	BG041924
Lab Sample ID:	P2189-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060961.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.94		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	81.511		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28885	7.941				
1146-65-2	Naphthalene-d8	119035	10.732				
15067-26-2	Acenaphthene-d10	94732	14.569				
1517-22-2	Phenanthrene-d10	212192	17.313				
1719-03-5	Chrysene-d12	205581	21.572				
1520-96-3	Perylene-d12	254597	24.692				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J			3.165	
	unknown3.682	110	J			3.682	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	45.3	J			10.503	
	unknown14.775	120	J			14.775	
013674-84-5	2-Propanol, 1-chloro-, phosphate (	170	J			17.078	
	unknown18.018	61.4	J			18.018	
000057-10-3	n-Hexadecanoic acid	210	J			18.218	
000057-11-4	Octadecanoic acid	74.4	J			19.493	
010192-32-2	1-Tetracosene	91.8	J			21.243	
001560-88-9	Octadecane, 2-methyl-	57.1	J			23.864	

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2MS	SDG No.:	BG041924
Lab Sample ID:	P2189-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060962.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	800		58.7	180	220	ug/Kg
110-86-1	Pyridine	420		54	87.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	510		65.5	87.9	110	ug/Kg
108-95-2	Phenol	810		56.1	87.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	650		56.6	87.9	110	ug/Kg
95-57-8	2-Chlorophenol	860		56.5	87.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	880		57.2	87.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	840		58.1	87.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	870		58.5	87.9	110	ug/Kg
100-51-6	Benzyl Alcohol	860		56.1	180	220	ug/Kg
95-48-7	2-Methylphenol	770		54.5	87.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	700		61.5	87.9	110	ug/Kg
98-86-2	Acetophenone	870		58.8	87.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	770		54	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	720		27.2	54.1	54.1	ug/Kg
67-72-1	Hexachloroethane	870		56.1	87.9	110	ug/Kg
98-95-3	Nitrobenzene	860		61.4	87.9	110	ug/Kg
78-59-1	Isophorone	830		57.2	87.9	110	ug/Kg
88-75-5	2-Nitrophenol	1000		63.9	87.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	710		63	87.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	760		58	87.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	990		51	87.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57.7	87.9	110	ug/Kg
65-85-0	Benzoic acid	910		160	180	220	ug/Kg
91-20-3	Naphthalene	900		55.8	87.9	110	ug/Kg
106-47-8	4-Chloroaniline	480		55.8	87.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	1200		56.3	87.9	110	ug/Kg



Client:				Date Collected:	4/18/2024 12:00:00 AM	
Project:				Date Received:	4/18/2024 12:00:00 AM	
Client Sample ID:	YARD-2MS			SDG No.:	BG041924	
Lab Sample ID:	P2189-02MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	11.4	
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
BG060962.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	820		58.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	890		52.4	87.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	910		55.8	87.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.3	87.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		50	87.9	110	ug/Kg
92-52-4	1,1-Biphenyl	950		59.1	87.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		56.3	87.9	110	ug/Kg
88-74-4	2-Nitroaniline	870		64.2	87.9	110	ug/Kg
131-11-3	Dimethylphthalate	890		55.2	87.9	110	ug/Kg
208-96-8	Acenaphthylene	980		58.5	87.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	940		56.3	87.9	110	ug/Kg
99-09-2	3-Nitroaniline	660		60.3	87.9	110	ug/Kg
83-32-9	Acenaphthene	920		54.8	87.9	110	ug/Kg
Total PAH	Total PAH	15420		895.9	87.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1700		78.4	180	220	ug/Kg
132-64-9	Dibenzofuran	920		57.1	87.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	960		58.3	87.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1900		114.6	87.9	220	ug/Kg
84-66-2	Diethylphthalate	870		54.2	87.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		57.9	87.9	110	ug/Kg
86-73-7	Fluorene	920		57.8	87.9	110	ug/Kg
100-01-6	4-Nitroaniline	770		72.3	87.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	990		79.1	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		55.2	87.9	110	ug/Kg
103-33-3	Azobenzene	800		53.8	87.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		53.3	87.9	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		57.5	87.9	110	ug/Kg
1912-24-9	Atrazine	1100		61.8	87.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2MS	SDG No.:	BG041924
Lab Sample ID:	P2189-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060962.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2400	E	52.3	180	220	ug/Kg
85-01-8	Phenanthrene	980		56.8	87.9	110	ug/Kg
120-12-7	Anthracene	960		57.1	87.9	110	ug/Kg
86-74-8	Carbazole	910		54.3	87.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	900		57	87.9	110	ug/Kg
206-44-0	Fluoranthene	970		55.2	87.9	110	ug/Kg
92-87-5	Benzidine	1300		110	180	220	ug/Kg
129-00-0	Pyrene	970		56.1	87.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	890		65.4	87.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	890		66.7	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		54.6	87.9	110	ug/Kg
218-01-9	Chrysene	980		53.8	87.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	870		61.5	87.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	850		74.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		54.8	87.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	970		55.8	87.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	950		62.9	87.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.8	87.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		54.9	87.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		54.2	87.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		58.7	87.9	110	ug/Kg
123-91-1	1,4-Dioxane	440		74.4	87.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		50.5	87.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	900		56.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.738		18-112		61	SPK: -150
13127-88-3	Phenol-d6	92.92		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	69.12		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	74.844		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2MS	SDG No.:	BG041924
Lab Sample ID:	P2189-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060962.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.166		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	80.025		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29458	7.938				
1146-65-2	Naphthalene-d8	112100	10.735				
15067-26-2	Acenaphthene-d10	92273	14.571				
1517-22-2	Phenanthrene-d10	214444	17.315				
1719-03-5	Chrysene-d12	203486	21.581				
1520-96-3	Perylene-d12	250132	24.701				

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2MSD	SDG No.:	BG041924
Lab Sample ID:	P2189-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060963.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	900		58.7	180	220	ug/Kg
110-86-1	Pyridine	460		54	87.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	510		65.5	87.9	110	ug/Kg
108-95-2	Phenol	820		56	87.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	720		56.6	87.9	110	ug/Kg
95-57-8	2-Chlorophenol	920		56.4	87.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	900		57.2	87.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	870		58.1	87.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	890		58.5	87.9	110	ug/Kg
100-51-6	Benzyl Alcohol	860		56.1	180	220	ug/Kg
95-48-7	2-Methylphenol	800		54.5	87.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	710		61.4	87.9	110	ug/Kg
98-86-2	Acetophenone	890		58.7	87.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	800		53.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	720		27.2	54.1	54.1	ug/Kg
67-72-1	Hexachloroethane	900		56.1	87.9	110	ug/Kg
98-95-3	Nitrobenzene	900		61.4	87.9	110	ug/Kg
78-59-1	Isophorone	820		57.2	87.9	110	ug/Kg
88-75-5	2-Nitrophenol	990		63.9	87.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	730		63	87.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	770		58	87.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		51	87.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57.7	87.9	110	ug/Kg
65-85-0	Benzoic acid	960		160	180	220	ug/Kg
91-20-3	Naphthalene	910		55.8	87.9	110	ug/Kg
106-47-8	4-Chloroaniline	520		55.8	87.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	1200		56.3	87.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2MSD	SDG No.:	BG041924
Lab Sample ID:	P2189-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060963.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	850		58.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	940		52.4	87.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	890		55.8	87.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	E	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.3	87.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		50	87.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		59.1	87.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		56.3	87.9	110	ug/Kg
88-74-4	2-Nitroaniline	910		64.2	87.9	110	ug/Kg
131-11-3	Dimethylphthalate	930		55.2	87.9	110	ug/Kg
208-96-8	Acenaphthylene	1000		58.5	87.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	950		56.2	87.9	110	ug/Kg
99-09-2	3-Nitroaniline	710		60.3	87.9	110	ug/Kg
83-32-9	Acenaphthene	950		54.8	87.9	110	ug/Kg
Total PAH	Total PAH	15860		895.5	87.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1800	E	78.4	180	220	ug/Kg
132-64-9	Dibenzofuran	960		57	87.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		114.5	87.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		58.3	87.9	110	ug/Kg
84-66-2	Diethylphthalate	910		54.1	87.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		57.9	87.9	110	ug/Kg
86-73-7	Fluorene	960		57.8	87.9	110	ug/Kg
100-01-6	4-Nitroaniline	820		72.3	87.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		79.1	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		55.1	87.9	110	ug/Kg
103-33-3	Azobenzene	840		53.8	87.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		53.3	87.9	110	ug/Kg
118-74-1	Hexachlorobenzene	1300		57.4	87.9	110	ug/Kg
1912-24-9	Atrazine	1100		61.8	87.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2MSD	SDG No.:	BG041924
Lab Sample ID:	P2189-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060963.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2400	E	52.2	180	220	ug/Kg
85-01-8	Phenanthrene	1000		56.8	87.9	110	ug/Kg
120-12-7	Anthracene	990		57	87.9	110	ug/Kg
86-74-8	Carbazole	950		54.3	87.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	920		57	87.9	110	ug/Kg
206-44-0	Fluoranthene	1000		55.2	87.9	110	ug/Kg
92-87-5	Benzidine	1400		110	180	220	ug/Kg
129-00-0	Pyrene	1000		56.1	87.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	910		65.4	87.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	890		66.6	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		54.5	87.9	110	ug/Kg
218-01-9	Chrysene	1000		53.7	87.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	880		61.5	87.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	850		74.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		54.8	87.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		55.8	87.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	990		62.9	87.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		52.8	87.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		54.9	87.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	960		54.1	87.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		58.7	87.9	110	ug/Kg
123-91-1	1,4-Dioxane	490		74.3	87.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		50.5	87.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	900		56.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.188		18-112		63	SPK: -150
13127-88-3	Phenol-d6	94.141		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	71.122		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	78.044		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	YARD-2MSD	SDG No.:	BG041924
Lab Sample ID:	P2189-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.4
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
BG060963.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	145.26		10-110		97	SPK: -150
1718-51-0	Terphenyl-d14	81.976		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	26480	7.941				
1146-65-2	Naphthalene-d8	100551	10.738				
15067-26-2	Acenaphthene-d10	81491	14.568				
1517-22-2	Phenanthrene-d10	195994	17.318				
1719-03-5	Chrysene-d12	189742	21.578				
1520-96-3	Perylene-d12	228010	24.698				

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1A	SDG No.:	BG041924
Lab Sample ID:	P2126-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.06	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
BG060964.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95	U	95	300	360	ug/Kg
110-86-1	Pyridine	87.4	U	87.4	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	90.7	U	90.7	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.6	U	91.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	91.4	U	91.4	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.6	U	92.6	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.1	U	94.1	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.7	U	94.7	140	190	ug/Kg
100-51-6	Benzyl Alcohol	90.8	U	90.8	300	360	ug/Kg
95-48-7	2-Methylphenol	88.2	U	88.2	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.5	U	99.5	140	190	ug/Kg
98-86-2	Acetophenone	95.1	U	95.1	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.3	U	87.3	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.1	U	44.1	87.5	87.5	ug/Kg
67-72-1	Hexachloroethane	90.8	U	90.8	140	190	ug/Kg
98-95-3	Nitrobenzene	99.4	U	99.4	140	190	ug/Kg
78-59-1	Isophorone	92.6	U	92.6	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.9	U	93.9	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.6	U	82.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.5	U	93.5	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	90.4	U	90.4	140	190	ug/Kg
106-47-8	4-Chloroaniline	90.4	U	90.4	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.2	U	91.2	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1A	SDG No.:	BG041924
Lab Sample ID:	P2126-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.06	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
BG060964.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95	U	95	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.8	U	84.8	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.3	U	90.3	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.1	U	78.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81	U	81	140	190	ug/Kg
92-52-4	1,1-Biphenyl	95.6	U	95.6	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.2	U	91.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	89.4	U	89.4	140	190	ug/Kg
208-96-8	Acenaphthylene	94.7	U	94.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91	U	91	140	190	ug/Kg
99-09-2	3-Nitroaniline	97.6	U	97.6	140	190	ug/Kg
83-32-9	Acenaphthene	88.7	U	88.7	140	190	ug/Kg
Total PAH	Total PAH	6697.3	U	1448.4	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	92.4	U	92.4	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	85.3	U	185.3	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.3	U	94.3	140	190	ug/Kg
84-66-2	Diethylphthalate	87.7	U	87.7	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.7	U	93.7	140	190	ug/Kg
86-73-7	Fluorene	93.6	U	93.6	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.3	U	89.3	140	190	ug/Kg
103-33-3	Azobenzene	87.1	U	87.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.3	U	86.3	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93	U	93	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1A	SDG No.:	BG041924
Lab Sample ID:	P2126-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.06	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
BG060964.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	84.6	U	84.6	300	360	ug/Kg
85-01-8	Phenanthrene	760		91.9	140	190	ug/Kg
120-12-7	Anthracene	150	J	92.4	140	190	ug/Kg
86-74-8	Carbazole	90.1	J	87.9	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.2	U	92.2	140	190	ug/Kg
206-44-0	Fluoranthene	1300		89.4	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	1000		90.8	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	600		88.3	140	190	ug/Kg
218-01-9	Chrysene	560		87	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.6	U	99.6	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	760		88.7	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	270		90.4	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	550		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	290		85.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	97.3	J	88.9	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	360		87.7	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95	U	95	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.7	U	81.7	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91	U	91	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	71.932		18-112		48	SPK: -150
13127-88-3	Phenol-d6	66.629		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	50.906		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	54.162		20-109		54	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1A	SDG No.:	BG041924
Lab Sample ID:	P2126-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.06	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
BG060964.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	94.662		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	53.975		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	31147	7.936				
1146-65-2	Naphthalene-d8	114684	10.733				
15067-26-2	Acenaphthene-d10	90796	14.57				
1517-22-2	Phenanthrene-d10	208591	17.314				
1719-03-5	Chrysene-d12	207661	21.573				
1520-96-3	Perylene-d12	254659	24.699				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.160	190	J			3.16	
	unknown14.793	1100	J			14.793	
000256-81-5	5H-Dibenzo[a,d]cycloheptene	110	J			18.189	
000057-10-3	n-Hexadecanoic acid	440	J			18.218	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	200	J			18.383	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	82.1	J			18.689	
000084-65-1	9,10-Anthracenedione	78.1	J			18.724	
003674-66-6	Phenanthrene, 2,5-dimethyl-	130	J			19.106	
005737-13-3	Cyclopenta(def)phenanthrenone	88.6	J			19.241	
000243-17-4	11H-Benzo[b]fluorene	82.1	J			20.052	
000479-79-8	11H-Benzo[a]fluoren-11-one	82.1	J			20.98	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	81.3	J			21.162	
	unknown21.244	150	J			21.244	
000082-05-3	7H-Benz[de]anthracen-7-one	82.4	J			21.303	
000198-55-0	Perylene	120	J			23.953	
000192-97-2	Benzo[e]pyrene	430	J			24.411	

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1B	SDG No.:	BG041924
Lab Sample ID:	P2126-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.04	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
BG060965.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.4	U	96.4	300	370	ug/Kg
110-86-1	Pyridine	88.8	U	88.8	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	92.1	U	92.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93	U	93	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.8	U	92.8	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	94	U	94	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.5	U	95.5	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.1	U	96.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	92.2	U	92.2	300	370	ug/Kg
95-48-7	2-Methylphenol	89.5	U	89.5	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.5	U	96.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.6	U	88.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.8	U	44.8	88.9	88.9	ug/Kg
67-72-1	Hexachloroethane	92.2	U	92.2	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	94	U	94	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.3	U	95.3	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.9	U	83.9	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.9	U	94.9	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.8	U	91.8	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.8	U	91.8	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.5	U	92.5	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1B	SDG No.:	BG041924
Lab Sample ID:	P2126-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.04	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
BG060965.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.4	U	96.4	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.1	U	86.1	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.6	U	91.6	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.3	U	79.3	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.2	U	82.2	140	190	ug/Kg
92-52-4	1,1-Biphenyl	97.1	U	97.1	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.5	U	92.5	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.8	U	90.8	140	190	ug/Kg
208-96-8	Acenaphthylene	96.1	U	96.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.4	U	92.4	140	190	ug/Kg
99-09-2	3-Nitroaniline	99.1	U	99.1	140	190	ug/Kg
83-32-9	Acenaphthene	91.2	J	90.1	140	190	ug/Kg
Total PAH	Total PAH	11888.8		1468.9	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	93.8	U	93.8	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	188.2	U	188.2	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.8	U	95.8	140	190	ug/Kg
84-66-2	Diethylphthalate	89	U	89	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	140	190	ug/Kg
86-73-7	Fluorene	97.6	J	95	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.6	U	90.6	140	190	ug/Kg
103-33-3	Azobenzene	88.4	U	88.4	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.6	U	87.6	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.4	U	94.4	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1B	SDG No.:	BG041924
Lab Sample ID:	P2126-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.04	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
BG060965.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.9	U	85.9	300	370	ug/Kg
85-01-8	Phenanthrene	1300		93.3	140	190	ug/Kg
120-12-7	Anthracene	270		93.8	140	190	ug/Kg
86-74-8	Carbazole	150	J	89.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.6	U	93.6	140	190	ug/Kg
206-44-0	Fluoranthene	2200		90.8	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	1800		92.2	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1100		89.6	140	190	ug/Kg
218-01-9	Chrysene	1000		88.3	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		90.1	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	520		91.8	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	980		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	490		86.8	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	J	90.2	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	580		89	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.4	U	96.4	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83	U	83	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.4	U	92.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.473		18-112		43	SPK: -150
13127-88-3	Phenol-d6	60.543		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	52.179		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	58.607		20-109		59	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1B	SDG No.:	BG041924
Lab Sample ID:	P2126-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.04	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
BG060965.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	99.714		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	56.75		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37572	7.941				
1146-65-2	Naphthalene-d8	122192	10.738				
15067-26-2	Acenaphthene-d10	92124	14.569				
1517-22-2	Phenanthrene-d10	214956	17.318				
1719-03-5	Chrysene-d12	210535	21.578				
1520-96-3	Perylene-d12	253721	24.704				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	240	J			3.164	
	unknown14.774	340	J			14.774	
	unknown14.792	380	J			14.792	
000486-25-9	9H-Fluoren-9-one	89.6	J			16.966	
000610-48-0	Anthracene, 1-methyl-	220	J			18.194	
000057-10-3	n-Hexadecanoic acid	150	J			18.223	
036155-87-0	Thiophene-3-carboxaldehyde, 5-chlo	350	J			18.388	
000883-20-5	Phenanthrene, 9-methyl-	120	J			18.423	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	160	J			18.693	
000084-65-1	9,10-Anthracenedione	160	J			18.729	
001576-67-6	Phenanthrene, 3,6-dimethyl-	140	J			19.11	
002789-88-0	di-p-Tolylacetylene	150	J			19.169	
005737-13-3	Cyclopenta(def)phenanthrenone	160	J			19.246	
002381-21-7	Pyrene, 1-methyl-	91.1	J			20.062	
000479-79-8	11H-Benzo[a]fluoren-11-one	93.7	J			20.979	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	91.5	J			21.161	
027208-37-3	Cyclopenta[cd]pyrene	130	J			21.249	
000082-05-3	7H-Benz[de]anthracen-7-one	110	J			21.308	
000192-97-2	Benzo[e]pyrene	240	J			23.964	

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	SP-1B	SDG No.:	BG041924
Lab Sample ID:	P2126-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.04	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
BG060965.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000205-82-3	Benzo[<i>j</i>]fluoranthene	960	J			24.416	



Client:				Date Collected:	4/18/2024 12:00:00 AM	
Project:				Date Received:	4/18/2024 12:00:00 AM	
Client Sample ID:	NB-07-041824			SDG No.:	BG041924	
Lab Sample ID:	P2196-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	7.2	
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060966.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.1	U	56.1	170	210	ug/Kg
110-86-1	Pyridine	51.6	U	51.6	84	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.6	U	62.6	84	110	ug/Kg
108-95-2	Phenol	53.5	U	53.5	84	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.1	U	54.1	84	110	ug/Kg
95-57-8	2-Chlorophenol	53.9	U	53.9	84	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.6	U	54.6	84	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.5	U	55.5	84	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.9	U	55.9	84	110	ug/Kg
100-51-6	Benzyl Alcohol	53.6	U	53.6	170	210	ug/Kg
95-48-7	2-Methylphenol	52.1	U	52.1	84	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.7	U	58.7	84	110	ug/Kg
98-86-2	Acetophenone	56.1	U	56.1	84	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.5	U	51.5	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26	U	26	51.7	51.7	ug/Kg
67-72-1	Hexachloroethane	53.6	U	53.6	84	110	ug/Kg
98-95-3	Nitrobenzene	58.6	U	58.6	84	110	ug/Kg
78-59-1	Isophorone	54.6	U	54.6	84	110	ug/Kg
88-75-5	2-Nitrophenol	61	U	61	84	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.2	U	60.2	84	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.4	U	55.4	84	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.8	U	48.8	84	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.2	U	55.2	84	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53.4	U	53.4	84	110	ug/Kg
106-47-8	4-Chloroaniline	53.4	U	53.4	84	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.8	U	53.8	84	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	NB-07-041824	SDG No.:	BG041924
Lab Sample ID:	P2196-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060966.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.1	U	56.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.1	U	50.1	84	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.3	U	53.3	84	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.1	U	46.1	84	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.8	U	47.8	84	110	ug/Kg
92-52-4	1,1-Biphenyl	56.5	U	56.5	84	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.8	U	53.8	84	110	ug/Kg
88-74-4	2-Nitroaniline	61.4	U	61.4	84	110	ug/Kg
131-11-3	Dimethylphthalate	52.8	U	52.8	84	110	ug/Kg
208-96-8	Acenaphthylene	55.9	U	55.9	84	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.7	U	53.7	84	110	ug/Kg
99-09-2	3-Nitroaniline	57.6	U	57.6	84	110	ug/Kg
83-32-9	Acenaphthene	52.4	U	52.4	84	110	ug/Kg
Total PAH	Total PAH	855.9	U	855.9	84	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.9	U	74.9	170	210	ug/Kg
132-64-9	Dibenzofuran	54.5	U	54.5	84	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.7	U	55.7	84	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.4	U	109.4	84	220	ug/Kg
84-66-2	Diethylphthalate	51.7	U	51.7	84	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.3	U	55.3	84	110	ug/Kg
86-73-7	Fluorene	55.2	U	55.2	84	110	ug/Kg
100-01-6	4-Nitroaniline	69.1	U	69.1	84	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.6	U	75.6	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.7	U	52.7	84	110	ug/Kg
103-33-3	Azobenzene	51.4	U	51.4	84	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51	U	51	84	110	ug/Kg
118-74-1	Hexachlorobenzene	54.9	U	54.9	84	110	ug/Kg
1912-24-9	Atrazine	59	U	59	84	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	NB-07-041824	SDG No.:	BG041924
Lab Sample ID:	P2196-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060966.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.9	U	49.9	170	210	ug/Kg
85-01-8	Phenanthrene	54.3	U	54.3	84	110	ug/Kg
120-12-7	Anthracene	54.5	U	54.5	84	110	ug/Kg
86-74-8	Carbazole	51.9	U	51.9	84	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.4	U	54.4	84	110	ug/Kg
206-44-0	Fluoranthene	68.8	J	52.8	84	110	ug/Kg
92-87-5	Benzidine	110	U	110	170	210	ug/Kg
129-00-0	Pyrene	69.9	J	53.6	84	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.5	U	62.5	84	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.7	U	63.7	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	52.1	U	52.1	84	110	ug/Kg
218-01-9	Chrysene	51.3	U	51.3	84	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.8	U	58.8	84	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71	U	71	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.5	J	52.4	84	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	53.4	U	53.4	84	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.1	U	60.1	84	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.4	U	50.4	84	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.4	U	52.4	84	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.7	U	51.7	84	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.1	U	56.1	84	110	ug/Kg
123-91-1	1,4-Dioxane	71	U	71	84	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.2	U	48.2	84	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.7	U	53.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.512		18-112		47	SPK: -150
13127-88-3	Phenol-d6	79.587		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	57.373		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	62.47		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	NB-07-041824	SDG No.:	BG041924
Lab Sample ID:	P2196-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060966.D	1	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	101.997		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	64.022		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36351	7.943				
1146-65-2	Naphthalene-d8	116436	10.739				
15067-26-2	Acenaphthene-d10	89797	14.57				
1517-22-2	Phenanthrene-d10	198732	17.314				
1719-03-5	Chrysene-d12	191645	21.574				
1520-96-3	Perylene-d12	220287	24.705				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.166	80.7	J			3.166	
	unknown3.683	96.5	J			3.683	
	unknown14.794	47.8	J			14.794	
000057-10-3	n-Hexadecanoic acid	180	J			18.219	

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	OK-01-041824	SDG No.:	BG041924
Lab Sample ID:	P2195-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060967.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	430	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	350	430	ug/Kg
62-53-3	Aniline	130	U	130	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	350	430	ug/Kg
95-48-7	2-Methylphenol	100	U	100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.5	U	52.5	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	98.3	U	98.3	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	310	U	310	350	430	ug/Kg
91-20-3	Naphthalene	380		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	OK-01-041824	SDG No.:	BG041924
Lab Sample ID:	P2195-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060967.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	J	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93	U	93	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96.4	U	96.4	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	200	J	110	170	220	ug/Kg
Total PAH	Total PAH	12460		1740	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	170	J	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	330		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg



Client:				Date Collected:	4/18/2024 12:00:00 AM	
Project:				Date Received:	4/18/2024 12:00:00 AM	
Client Sample ID:	OK-01-041824			SDG No.:	BG041924	
Lab Sample ID:	P2195-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	8	
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
BG060967.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	350	430	ug/Kg
85-01-8	Phenanthrene	1700		110	170	220	ug/Kg
120-12-7	Anthracene	490		110	170	220	ug/Kg
86-74-8	Carbazole	130	J	100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	2200		110	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	430	ug/Kg
129-00-0	Pyrene	1900		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	1000		110	170	220	ug/Kg
218-01-9	Chrysene	930		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	490		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	960		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	340		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97.3	U	97.3	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	140	J	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.406		18-112		60	SPK: -150
13127-88-3	Phenol-d6	88.766		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	68.722		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	74.294		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	OK-01-041824	SDG No.:	BG041924
Lab Sample ID:	P2195-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060967.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	119.484		10-110		80	SPK: -150
1718-51-0	Terphenyl-d14	69.038		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28832	7.943				
1146-65-2	Naphthalene-d8	101507	10.739				
15067-26-2	Acenaphthene-d10	75338	14.57				
1517-22-2	Phenanthrene-d10	166775	17.32				
1719-03-5	Chrysene-d12	164036	21.58				
1520-96-3	Perylene-d12	177442	24.717				
TENTATIVE IDENTIFIED COMPOUNDS							
000763-29-1	1-Pentene, 2-methyl-	110	J			3.09	
	unknown3.172	110	J			3.172	
	unknown14.794	610	J			14.794	
001689-64-1	9H-Fluoren-9-ol	130	J			15.916	
000544-76-3	Hexadecane	140	J			16.298	
001430-97-3	9H-Fluorene, 2-methyl-	100	J			16.627	
000233-02-3	Naphtho[2,1-b]thiophene	210	J			17.138	
	unknown17.514	110	J			17.514	
	unknown17.831	100	J			17.831	
007132-64-1	Pentadecanoic acid, methyl ester	140	J			18.002	
000610-48-0	Anthracene, 1-methyl-	240	J			18.201	
000779-02-2	Anthracene, 9-methyl-	350	J			18.242	
001961-96-2	1H-Indene, 1-phenyl-	150	J			18.325	
036155-87-0	Thiophene-3-carboxaldehyde, 5-chlo	550	J			18.389	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	160	J			18.695	
003674-66-6	Phenanthrene, 2,5-dimethyl-	140	J			19.118	
1000336-68-5	iso-Propyl 9-.cis.,11-.trans.-octa	330	J			19.141	
	unknown19.171	380	J			19.171	
000243-17-4	11H-Benzo[b]fluorene	160	J			20.234	

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	OK-01-041824	SDG No.:	BG041924
Lab Sample ID:	P2195-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060967.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
002381-21-7	Pyrene, 1-methyl-	180	J			20.328	



Client:				Date Collected:	4/18/2024 12:00:00 AM	
Project:				Date Received:	4/18/2024 12:00:00 AM	
Client Sample ID:	CL-01-041824			SDG No.:	BG041924	
Lab Sample ID:	P2194-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	10.4	
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
BG060968.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	360	440	ug/Kg
110-86-1	Pyridine	110	U	110	170	230	ug/Kg
100-52-7	Benzaldehyde	240	U	240	360	440	ug/Kg
62-53-3	Aniline	130	U	130	170	230	ug/Kg
108-95-2	Phenol	110	U	110	170	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	170	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	170	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	440	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	230	ug/Kg
98-86-2	Acetophenone	120	U	120	170	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.9	U	53.9	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	230	ug/Kg
78-59-1	Isophorone	110	U	110	170	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	230	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	360	440	ug/Kg
91-20-3	Naphthalene	110	U	110	170	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	230	ug/Kg



Client:				Date Collected:	4/18/2024 12:00:00 AM	
Project:				Date Received:	4/18/2024 12:00:00 AM	
Client Sample ID:	CL-01-041824			SDG No.:	BG041924	
Lab Sample ID:	P2194-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	10.4	
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
BG060968.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	360	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	95.6	U	95.6	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99	U	99	170	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	170	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	230	ug/Kg
Total PAH	Total PAH	1770	U	1770	170	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	170	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	170	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	170	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	230	ug/Kg
86-73-7	Fluorene	110	U	110	170	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	360	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	230	ug/Kg
103-33-3	Azobenzene	110	U	110	170	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	170	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	230	ug/Kg
1912-24-9	Atrazine	120	U	120	170	230	ug/Kg

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	CL-01-041824	SDG No.:	BG041924
Lab Sample ID:	P2194-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.4
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
BG060968.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

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	170	230	ug/Kg
120-12-7	Anthracene	110	U	110	170	230	ug/Kg
86-74-8	Carbazole	110	U	110	170	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	230	ug/Kg
206-44-0	Fluoranthene	110	U	110	170	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	110	U	110	170	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	170	230	ug/Kg
218-01-9	Chrysene	110	U	110	170	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	170	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	230	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	170	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	170	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	170	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.84		18-112		57	SPK: -150
13127-88-3	Phenol-d6	85.806		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	63.848		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	72.05		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	CL-01-041824	SDG No.:	BG041924
Lab Sample ID:	P2194-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.4
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
BG060968.D	2	4/19/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160393

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.268		10-110		78	SPK: -150
1718-51-0	Terphenyl-d14	67.468		14-112		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29489	7.947				
1146-65-2	Naphthalene-d8	104391	10.738				
15067-26-2	Acenaphthene-d10	79307	14.575				
1517-22-2	Phenanthrene-d10	172287	17.319				
1719-03-5	Chrysene-d12	168778	21.578				
1520-96-3	Perylene-d12	172510	24.71				
TENTATIVE IDENTIFIED COMPOUNDS							
002499-95-8	n-Hexyl acrylate	100	J			3.094	
000994-05-8	Butane, 2-methoxy-2-methyl-	99	J			3.17	
	unknown14.798	440	J			14.798	
000112-39-0	Hexadecanoic acid, methyl ester	130	J			18.006	
000057-10-3	n-Hexadecanoic acid	340	J			18.223	
	unknown19.169	150	J			19.169	
001002-84-2	Pentadecanoic acid	130	J			19.493	



Client:				Date Collected:	4/16/2024 12:00:00 AM	
Project:				Date Received:	4/16/2024 12:00:00 AM	
Client Sample ID:	72-11935DL			SDG No.:	BG041924	
Lab Sample ID:	P2148-01DL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	13	
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
BG060969.D	50	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	3000	U	3000	9300	11400	ug/Kg
110-86-1	Pyridine	2800	U	2800	4500	5900	ug/Kg
100-52-7	Benzaldehyde	6300	U	6300	9300	11400	ug/Kg
62-53-3	Aniline	3300	U	3300	4500	5900	ug/Kg
108-95-2	Phenol	2900	U	2900	4500	5900	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2900	U	2900	4500	5900	ug/Kg
95-57-8	2-Chlorophenol	2900	U	2900	4500	5900	ug/Kg
95-50-1	1,2-Dichlorobenzene	2900	U	2900	4500	5900	ug/Kg
541-73-1	1,3-Dichlorobenzene	3000	U	3000	4500	5900	ug/Kg
106-46-7	1,4-Dichlorobenzene	3000	U	3000	4500	5900	ug/Kg
100-51-6	Benzyl Alcohol	2900	U	2900	9300	11400	ug/Kg
95-48-7	2-Methylphenol	2800	U	2800	4500	5900	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3100	U	3100	4500	5900	ug/Kg
98-86-2	Acetophenone	3000	U	3000	4500	5900	ug/Kg
65794-96-9	3+4-Methylphenols	2700	U	2700	9300	11400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400	U	1400	2800	2800	ug/Kg
67-72-1	Hexachloroethane	2900	U	2900	4500	5900	ug/Kg
98-95-3	Nitrobenzene	3100	U	3100	4500	5900	ug/Kg
78-59-1	Isophorone	2900	U	2900	4500	5900	ug/Kg
88-75-5	2-Nitrophenol	3300	U	3300	4500	5900	ug/Kg
105-67-9	2,4-Dimethylphenol	3200	U	3200	4500	5900	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	3000	U	3000	4500	5900	ug/Kg
120-83-2	2,4-Dichlorophenol	2600	U	2600	4500	5900	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2900	U	2900	4500	5900	ug/Kg
65-85-0	Benzoic acid	8200	U	8200	9300	11400	ug/Kg
91-20-3	Naphthalene	2800	U	2800	4500	5900	ug/Kg
106-47-8	4-Chloroaniline	2800	U	2800	4500	5900	ug/Kg
87-68-3	Hexachlorobutadiene	2900	U	2900	4500	5900	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	72-11935DL	SDG No.:	BG041924
Lab Sample ID:	P2148-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BG060969.D	50	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	3000	U	3000	9300	11400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2700	U	2700	4500	5900	ug/Kg
91-57-6	2-Methylnaphthalene	2800	U	2800	4500	5900	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	U	5400	9300	11400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2500	U	2500	4500	5900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2500	U	2500	4500	5900	ug/Kg
92-52-4	1,1-Biphenyl	3000	U	3000	4500	5900	ug/Kg
91-58-7	2-Chloronaphthalene	2900	U	2900	4500	5900	ug/Kg
88-74-4	2-Nitroaniline	3300	U	3300	4500	5900	ug/Kg
131-11-3	Dimethylphthalate	2800	U	2800	4500	5900	ug/Kg
208-96-8	Acenaphthylene	3000	U	3000	4500	5900	ug/Kg
606-20-2	2,6-Dinitrotoluene	2900	U	2900	4500	5900	ug/Kg
99-09-2	3-Nitroaniline	3100	U	3100	4500	5900	ug/Kg
83-32-9	Acenaphthene	2800	U	2800	4500	5900	ug/Kg
Total PAH	Total PAH	45600	U	45600	4500	94400	ug/Kg
51-28-5	2,4-Dinitrophenol	8400	U	8400	9300	11400	ug/Kg
100-02-7	4-Nitrophenol	4000	U	4000	9300	11400	ug/Kg
132-64-9	Dibenzofuran	2900	U	2900	4500	5900	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	5900	U	5900	4500	11800	ug/Kg
121-14-2	2,4-Dinitrotoluene	3000	U	3000	4500	5900	ug/Kg
84-66-2	Diethylphthalate	2800	U	2800	4500	5900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2900	U	2900	4500	5900	ug/Kg
86-73-7	Fluorene	2900	U	2900	4500	5900	ug/Kg
100-01-6	4-Nitroaniline	3700	U	3700	4500	5900	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4000	U	4000	9300	11400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2800	U	2800	4500	5900	ug/Kg
103-33-3	Azobenzene	2700	U	2700	4500	5900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2700	U	2700	4500	5900	ug/Kg
118-74-1	Hexachlorobenzene	2900	U	2900	4500	5900	ug/Kg
1912-24-9	Atrazine	3100	U	3100	4500	5900	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	72-11935DL	SDG No.:	BG041924
Lab Sample ID:	P2148-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BG060969.D	50	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2700	U	2700	9300	11400	ug/Kg
85-01-8	Phenanthrene	2900	U	2900	4500	5900	ug/Kg
120-12-7	Anthracene	2900	U	2900	4500	5900	ug/Kg
86-74-8	Carbazole	2800	U	2800	4500	5900	ug/Kg
84-74-2	Di-n-butylphthalate	2900	U	2900	4500	5900	ug/Kg
206-44-0	Fluoranthene	2800	U	2800	4500	5900	ug/Kg
92-87-5	Benzidine	5600	U	5600	9300	11400	ug/Kg
129-00-0	Pyrene	2900	U	2900	4500	5900	ug/Kg
85-68-7	Butylbenzylphthalate	3300	U	3300	4500	5900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3400	U	3400	9300	11400	ug/Kg
56-55-3	Benzo(a)anthracene	2800	U	2800	4500	5900	ug/Kg
218-01-9	Chrysene	2700	U	2700	4500	5900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	132300	ED	3100	4500	5900	ug/Kg
117-84-0	Di-n-octyl phthalate	3800	U	3800	9300	11400	ug/Kg
205-99-2	Benzo(b)fluoranthene	2800	U	2800	4500	5900	ug/Kg
207-08-9	Benzo(k)fluoranthene	2800	U	2800	4500	5900	ug/Kg
50-32-8	Benzo(a)pyrene	3200	U	3200	4500	5900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2700	U	2700	4500	5900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2800	U	2800	4500	5900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2800	U	2800	4500	5900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3000	U	3000	4500	5900	ug/Kg
123-91-1	1,4-Dioxane	3800	U	3800	4500	5900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2600	U	2600	4500	5900	ug/Kg
90-12-0	1-Methylnaphthalene	2900	U	2900	5900	5900	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.2		18-112		63	SPK: -150
13127-88-3	Phenol-d6	82.9		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	67.65		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	71.05		20-109		71	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	72-11935DL	SDG No.:	BG041924
Lab Sample ID:	P2148-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BG060969.D	50	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.8		10-110		78	SPK: -150
1718-51-0	Terphenyl-d14	78.65		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28615	7.949				
1146-65-2	Naphthalene-d8	101201	10.74				
15067-26-2	Acenaphthene-d10	76250	14.571				
1517-22-2	Phenanthrene-d10	166275	17.32				
1719-03-5	Chrysene-d12	164199	21.58				
1520-96-3	Perylene-d12	178935	24.706				

Hit Summary Sheet SW-846

SDG No.: BG041924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-131-SB01								
P2124-01	B-131-SB01	Solid	2-[2-Phenylethenyl]phenol	*	1,000.000	J		
P2124-01	B-131-SB01	Solid	3-Methyl-[1,1-biphenyl]-4-carbal	*	1,100.000	J		
P2124-01	B-131-SB01	Solid	4-(4-Methylphenyl)benzaldehyde	*	920.000	J		
P2124-01	B-131-SB01	Solid	4b,8-Dimethyl-2-isopropylphenan	*	1,700.000	J		
P2124-01	B-131-SB01	Solid	4H-Cyclopenta[def]phenanthrene	*	3,700.000	J		
P2124-01	B-131-SB01	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	990.000	J		
P2124-01	B-131-SB01	Solid	9H-Fluorene, 1-methyl-	*	2,100.000	J		
P2124-01	B-131-SB01	Solid	9H-Fluorene, 2-methyl-	*	790.000	J		
P2124-01	B-131-SB01	Solid	Anthracene, 1-methyl-	*	1,100.000	J		
P2124-01	B-131-SB01	Solid	Anthracene, 2-methyl-	*	920.000	J		
P2124-01	B-131-SB01	Solid	Bicyclo[3.1.1]hept-2-ene, 3,6,6-tr	*	940.000	J		
P2124-01	B-131-SB01	Solid	Dibenzofuran, 4-methyl-	*	1,300.000	J		
P2124-01	B-131-SB01	Solid	Dibenzothiophene	*	1,500.000	J		
P2124-01	B-131-SB01	Solid	Naphthalene, 1,3-dimethyl-	*	2,300.000	J		
P2124-01	B-131-SB01	Solid	Naphthalene, 1,6-dimethyl-	*	1,200.000	J		
P2124-01	B-131-SB01	Solid	Naphthalene, 2,3-dimethyl-	*	840.000	J		
P2124-01	B-131-SB01	Solid	Naphthalene, 2,6-dimethyl-	*	2,100.000	J		
P2124-01	B-131-SB01	Solid	Phenanthrene, 1-methyl-	*	2,400.000	J		
P2124-01	B-131-SB01	Solid	Phenanthrene, 2-methyl-	*	2,500.000	J		
P2124-01	B-131-SB01	Solid	Phenanthrene, 3,6-dimethyl-	*	770.000	J		
Total Tics :					30,170.00			
P2124-01	B-131-SB01	Solid	1,1-Biphenyl		750.000	110	220	ug/Kg
P2124-01	B-131-SB01	Solid	1-Methylnaphthalene		3,000.000	110	220	ug/Kg
P2124-01	B-131-SB01	Solid	2-Methylnaphthalene		2,600.000	100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Acenaphthene		8,000.000	E 100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Acenaphthylene		260.000	110	220	ug/Kg
P2124-01	B-131-SB01	Solid	Anthracene		5,800.000	E 110	220	ug/Kg
P2124-01	B-131-SB01	Solid	Benzo(a)anthracene		1,100.000	100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Benzo(a)pyrene		460.000	120	220	ug/Kg
P2124-01	B-131-SB01	Solid	Benzo(b)fluoranthene		640.000	100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Benzo(g,h,i)perylene		190.000	J 100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Benzo(k)fluoranthene		200.000	J 100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Carbazole		550.000	100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Chrysene		1,000.000	100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Dibenzofuran		5,800.000	E 110	220	ug/Kg
P2124-01	B-131-SB01	Solid	Fluoranthene		6,900.000	E 100	220	ug/Kg
P2124-01	B-131-SB01	Solid	Fluorene		7,800.000	E 110	220	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG041924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2124-01	B-131-SB01	Solid	Indeno(1,2,3-cd)pyrene	170.000	J	98.9	220	ug/Kg
P2124-01	B-131-SB01	Solid	Phenanthrene	15,200.000	E	110	220	ug/Kg
P2124-01	B-131-SB01	Solid	Pyrene	4,600.000	E	110	220	ug/Kg
P2124-01	B-131-SB01	Solid	Total PAH	52,320.000	E	1668.9	3520	ug/Kg
Total Svoc :				117,340.00				
Total Concentration:				147,510.00				
Client ID : B-101-SB01								
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,4,4,5,5	*	2,200.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,4,4,5,6	*	2,700.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,4,4,5-he	*	2,600.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,4,4,6-he	*	5,800.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,4,5,5,6-	*	2,300.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,4,6-Hexac	*	4,500.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,5,5,6-he	*	5,000.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,3,5,5-Hexa	*	3,100.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,4,4,5-hexa	*	1,100.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,3,4,5,6-Hexac	*	7,800.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,4,4,5,5-hexa	*	8,700.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,2,4,4,5,6-Hexa	*	2,300.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,3,3,4,4,5,6-Hep	*	2,900.000	J		
P2125-01	B-101-SB01	Solid	1,1-Biphenyl, 2,3,4,4,5-pentach	*	4,100.000	J		
P2125-01	B-101-SB01	Solid	2,2,3,3,4,5,6-Heptachloro-1,1-b	*	970.000	J		
P2125-01	B-101-SB01	Solid	2,2,3,3,4,5,6-Heptachlorobiphen	*	1,000.000	J		
P2125-01	B-101-SB01	Solid	2,3,3,4,5- Pentachloro-1,1-bip	*	2,900.000	J		
P2125-01	B-101-SB01	Solid	2,3,4,4,5,6-Hexachloro-1,1-biphe	*	1,700.000	J		
P2125-01	B-101-SB01	Solid	unknown20.829	*	7,800.000	J		
P2125-01	B-101-SB01	Solid	unknown22.021	*	4,300.000	J		
Total Tics :				73,770.00				
P2125-01	B-101-SB01	Solid	1,2,4,5-Tetrachlorobenzene		120.000	J	100	ug/Kg
P2125-01	B-101-SB01	Solid	1,2,4-Trichlorobenzene		2,000.000		100	ug/Kg
P2125-01	B-101-SB01	Solid	1-Methylnaphthalene		210.000		100	ug/Kg
P2125-01	B-101-SB01	Solid	2-Methylnaphthalene		170.000	J	99.3	ug/Kg
P2125-01	B-101-SB01	Solid	Benzo(a)anthracene		180.000	J	97.1	ug/Kg
P2125-01	B-101-SB01	Solid	Benzo(a)pyrene		160.000	J	110	ug/Kg
P2125-01	B-101-SB01	Solid	Benzo(b)fluoranthene		340.000		97.6	ug/Kg
P2125-01	B-101-SB01	Solid	Benzo(g,h,i)perylene		120.000	J	96.4	ug/Kg
P2125-01	B-101-SB01	Solid	Benzo(k)fluoranthene		100.000	J	99.4	ug/Kg
P2125-01	B-101-SB01	Solid	Chrysene		330.000		95.7	ug/Kg
P2125-01	B-101-SB01	Solid	Fluoranthene		320.000		98.3	ug/Kg
P2125-01	B-101-SB01	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	94	ug/Kg



SDG No.: BG041924

Client:

Total Svoc :	4,820.00
Total Concentration:	78,590.00

Client ID : SP-1A

			Total Tics :	3,446.70			
P2126-01	SP-1A	Solid	Anthracene	150.000 J	92.4	190	ug/Kg
P2126-01	SP-1A	Solid	Benzo(a)anthracene	600.000	88.3	190	ug/Kg
P2126-01	SP-1A	Solid	Benzo(a)pyrene	550.000	100	190	ug/Kg
P2126-01	SP-1A	Solid	Benzo(b)fluoranthene	760.000	88.7	190	ug/Kg
P2126-01	SP-1A	Solid	Benzo(g,h,i)perylene	360.000	87.7	190	ug/Kg
P2126-01	SP-1A	Solid	Benzo(k)fluoranthene	270.000	90.4	190	ug/Kg
P2126-01	SP-1A	Solid	Carbazole	90.100 J	87.9	190	ug/Kg
P2126-01	SP-1A	Solid	Chrysene	560.000	87	190	ug/Kg
P2126-01	SP-1A	Solid	Dibenzo(a,h)anthracene	97.300 J	88.9	190	ug/Kg
P2126-01	SP-1A	Solid	Fluoranthene	1,300.000	89.4	190	ug/Kg
P2126-01	SP-1A	Solid	Indeno(1,2,3-cd)pyrene	290.000	85.5	190	ug/Kg
P2126-01	SP-1A	Solid	Phenanthrene	760.000	91.9	190	ug/Kg
P2126-01	SP-1A	Solid	Pyrene	1,000.000	90.8	190	ug/Kg

Total Svoc :	6,787.40
Total Concentration:	10,234.10

Client ID : SP-1B

Hit Summary Sheet SW-846

SDG No.: BG041924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2126-04	SP-1B	Solid	11H-Benzo[a]fluoren-11-one	*	93.700	J		
P2126-04	SP-1B	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	160.000	J		
P2126-04	SP-1B	Solid	7H-Benz[de]anthracen-7-one	*	110.000	J		
P2126-04	SP-1B	Solid	9,10-Anthracenedione	*	160.000	J		
P2126-04	SP-1B	Solid	9H-Fluoren-9-one	*	89.600	J		
P2126-04	SP-1B	Solid	Anthracene, 1-methyl-	*	220.000	J		
P2126-04	SP-1B	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	91.500	J		
P2126-04	SP-1B	Solid	Benzo[e]pyrene	*	240.000	J		
P2126-04	SP-1B	Solid	Benzo[j]fluoranthene	*	960.000	J		
P2126-04	SP-1B	Solid	Butane, 2-methoxy-2-methyl-	*	240.000	J		
P2126-04	SP-1B	Solid	Cyclopenta(def)phenanthrenone	*	160.000	J		
P2126-04	SP-1B	Solid	Cyclopenta[cd]pyrene	*	130.000	J		
P2126-04	SP-1B	Solid	di-p-Tolylacetylene	*	150.000	J		
P2126-04	SP-1B	Solid	n-Hexadecanoic acid	*	150.000	J		
P2126-04	SP-1B	Solid	Phenanthrene, 3,6-dimethyl-	*	140.000	J		
P2126-04	SP-1B	Solid	Phenanthrene, 9-methyl-	*	120.000	J		
P2126-04	SP-1B	Solid	Pyrene, 1-methyl-	*	91.100	J		
P2126-04	SP-1B	Solid	Thiophene-3-carboxaldehyde, 5-cl	*	350.000	J		
P2126-04	SP-1B	Solid	unknown14.774	*	340.000	J		
P2126-04	SP-1B	Solid	unknown14.792	*	380.000	J		
Total Tics :					4,375.90			
P2126-04	SP-1B	Solid	Acenaphthene		91.200	J	90.1	190 ug/Kg
P2126-04	SP-1B	Solid	Anthracene		270.000		93.8	190 ug/Kg
P2126-04	SP-1B	Solid	Benzo(a)anthracene		1,100.000		89.6	190 ug/Kg
P2126-04	SP-1B	Solid	Benzo(a)pyrene		980.000		100	190 ug/Kg
P2126-04	SP-1B	Solid	Benzo(b)fluoranthene		1,300.000		90.1	190 ug/Kg
P2126-04	SP-1B	Solid	Benzo(g,h,i)perylene		580.000		89	190 ug/Kg
P2126-04	SP-1B	Solid	Benzo(k)fluoranthene		520.000		91.8	190 ug/Kg
P2126-04	SP-1B	Solid	Carbazole		150.000	J	89.2	190 ug/Kg
P2126-04	SP-1B	Solid	Chrysene		1,000.000		88.3	190 ug/Kg
P2126-04	SP-1B	Solid	Dibenzo(a,h)anthracene		160.000	J	90.2	190 ug/Kg
P2126-04	SP-1B	Solid	Fluoranthene		2,200.000		90.8	190 ug/Kg
P2126-04	SP-1B	Solid	Fluorene		97.600	J	95	190 ug/Kg
P2126-04	SP-1B	Solid	Indeno(1,2,3-cd)pyrene		490.000		86.8	190 ug/Kg
P2126-04	SP-1B	Solid	Phenanthrene		1,300.000		93.3	190 ug/Kg
P2126-04	SP-1B	Solid	Pyrene		1,800.000		92.2	190 ug/Kg
P2126-04	SP-1B	Solid	Total PAH		11,888.000		1468.9	3040 ug/Kg
Total Svoc :					23,926.80			
Total Concentration:					28,302.70			

Client ID : 72-11935DL

Hit Summary Sheet SW-846

SDG No.: BG041924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2148-01DL	72-11935DL	Solid	Bis(2-ethylhexyl)phthalate	132,300.000	ED	3100	5900	ug/Kg
Total Svoc :				132,300.00				
Total Concentration:				132,300.00				
Client ID : RBR200027-E2								
P2187-02	RBR200027-E2	Solid	(2E,6E,10E)-3,7,11,15-Tetramethy *	250.000	J			
P2187-02	RBR200027-E2	Solid	1-Octadecene	*	74.500	J		
P2187-02	RBR200027-E2	Solid	Benzo[e]pyrene	*	92.800	J		
P2187-02	RBR200027-E2	Solid	Butane, 2-methoxy-2-methyl-	*	100.000	J		
P2187-02	RBR200027-E2	Solid	Myristoleic acid	*	50.200	J		
P2187-02	RBR200027-E2	Solid	n-Hexadecanoic acid	*	330.000	J		
P2187-02	RBR200027-E2	Solid	Octadecanoic acid	*	48.600	J		
P2187-02	RBR200027-E2	Solid	unknown3.675	*	76.300	J		
Total Tics :				1,022.40				
P2187-02	RBR200027-E2	Solid	Benzo(a)anthracene	120.000		54.5	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Benzo(a)pyrene	120.000		62.8	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Benzo(b)fluoranthene	180.000		54.8	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Benzo(g,h,i)perylene	78.600	J	54.1	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Benzo(k)fluoranthene	67.600	J	55.8	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Chrysene	150.000		53.7	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Fluoranthene	250.000		55.2	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Indeno(1,2,3-cd)pyrene	70.900	J	52.7	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Phenanthrene	110.000		56.7	110	ug/Kg
P2187-02	RBR200027-E2	Solid	Pyrene	200.000		56.1	110	ug/Kg
Total Svoc :				1,347.10				
Total Concentration:				2,369.50				
Client ID : 222177								
P2188-02	222177	Solid	1-Iodoundecane	*	330.000	J		
P2188-02	222177	Solid	Butane, 2-methoxy-2-methyl-	*	95.300	J		
P2188-02	222177	Solid	Heptadecane, 2-methyl-	*	450.000	J		
P2188-02	222177	Solid	n-Hexadecanoic acid	*	360.000	J		
P2188-02	222177	Solid	Nonadecane	*	290.000	J		
P2188-02	222177	Solid	Nonadecane, 2-methyl-	*	270.000	J		
P2188-02	222177	Solid	Octadecane	*	150.000	J		
P2188-02	222177	Solid	Octadecane, 2-methyl-	*	490.000	J		
P2188-02	222177	Solid	Octadecane, 6-methyl-	*	52.200	J		
P2188-02	222177	Solid	Pentadecane, 3-methyl-	*	260.000	J		
P2188-02	222177	Solid	Tricosane	*	450.000	J		
P2188-02	222177	Solid	Tricosane, 2-methyl-	*	280.000	J		
P2188-02	222177	Solid	Tridecane, 3-ethyl-	*	130.000	J		

Hit Summary Sheet SW-846

SDG No.: BG041924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2188-02	222177	Solid	unknown10.796	*	56.900	J		
Total Tics :					3,664.40			
P2188-02	222177	Solid	Benzo(a)anthracene	130.000		54.9	120	ug/Kg
P2188-02	222177	Solid	Benzo(a)pyrene	130.000		63.3	120	ug/Kg
P2188-02	222177	Solid	Benzo(b)fluoranthene	250.000		55.2	120	ug/Kg
P2188-02	222177	Solid	Benzo(g,h,i)perylene	83.500	J	54.5	120	ug/Kg
P2188-02	222177	Solid	Benzo(k)fluoranthene	88.400	J	56.2	120	ug/Kg
P2188-02	222177	Solid	Chrysene	170.000		54.1	120	ug/Kg
P2188-02	222177	Solid	Fluoranthene	230.000		55.6	120	ug/Kg
P2188-02	222177	Solid	Indeno(1,2,3-cd)pyrene	79.600	J	53.1	120	ug/Kg
P2188-02	222177	Solid	Phenanthrene	87.200	J	57.2	120	ug/Kg
P2188-02	222177	Solid	Pyrene	230.000		56.5	120	ug/Kg
Total Svoc :					1,478.70			
Total Concentration:					5,143.10			

Client ID : YARD-2

P2189-02	YARD-2	Solid	1-Tetracosene	*	91.800	J		
P2189-02	YARD-2	Solid	2-Propanol, 1-chloro-, phosphate (	*	170.000	J		
P2189-02	YARD-2	Solid	Butane, 2-methoxy-2-methyl-	*	120.000	J		
P2189-02	YARD-2	Solid	Ethanol, 2-(2-butoxyethoxy)-	*	45.300	J		
P2189-02	YARD-2	Solid	n-Hexadecanoic acid	*	210.000	J		
P2189-02	YARD-2	Solid	Octadecane, 2-methyl-	*	57.100	J		
P2189-02	YARD-2	Solid	Octadecanoic acid	*	74.400	J		
P2189-02	YARD-2	Solid	unknown14.775	*	120.000	J		
P2189-02	YARD-2	Solid	unknown18.018	*	61.400	J		
P2189-02	YARD-2	Solid	unknown3.682	*	110.000	J		
Total Tics :					1,060.00			
Total Concentration:					1,060.00			

Client ID : CL-01-041824

P2194-01	CL-01-041824	Solid	Butane, 2-methoxy-2-methyl-	*	99.000	J		
P2194-01	CL-01-041824	Solid	Hexadecanoic acid, methyl ester	*	130.000	J		
P2194-01	CL-01-041824	Solid	n-Hexadecanoic acid	*	340.000	J		
P2194-01	CL-01-041824	Solid	n-Hexyl acrylate	*	100.000	J		
P2194-01	CL-01-041824	Solid	Pentadecanoic acid	*	130.000	J		
P2194-01	CL-01-041824	Solid	unknown14.798	*	440.000	J		
P2194-01	CL-01-041824	Solid	unknown19.169	*	150.000	J		
Total Tics :					1,389.00			
Total Concentration:					1,389.00			

Client ID : OK-01-041824

P2195-01	OK-01-041824	Solid	1-Pentene, 2-methyl-	*	110.000	J		
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Hit Summary Sheet SW-846

SDG No.: BG041924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2195-01	OK-01-041824	Solid	11H-Benzo[b]fluorene	*	160.000	J		
P2195-01	OK-01-041824	Solid	1H-Indene, 1-phenyl-	*	150.000	J		
P2195-01	OK-01-041824	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	160.000	J		
P2195-01	OK-01-041824	Solid	9H-Fluorene-9-ol	*	130.000	J		
P2195-01	OK-01-041824	Solid	9H-Fluorene, 2-methyl-	*	100.000	J		
P2195-01	OK-01-041824	Solid	Anthracene, 1-methyl-	*	240.000	J		
P2195-01	OK-01-041824	Solid	Anthracene, 9-methyl-	*	350.000	J		
P2195-01	OK-01-041824	Solid	Hexadecane	*	140.000	J		
P2195-01	OK-01-041824	Solid	iso-Propyl 9-.cis.,11-.trans.-octa	*	330.000	J		
P2195-01	OK-01-041824	Solid	Naphtho[2,1-b]thiophene	*	210.000	J		
P2195-01	OK-01-041824	Solid	Pentadecanoic acid, methyl ester	*	140.000	J		
P2195-01	OK-01-041824	Solid	Phenanthrene, 2,5-dimethyl-	*	140.000	J		
P2195-01	OK-01-041824	Solid	Pyrene, 1-methyl-	*	180.000	J		
P2195-01	OK-01-041824	Solid	Thiophene-3-carboxaldehyde, 5-c	*	550.000	J		
P2195-01	OK-01-041824	Solid	unknown14.794	*	610.000	J		
P2195-01	OK-01-041824	Solid	unknown17.514	*	110.000	J		
P2195-01	OK-01-041824	Solid	unknown17.831	*	100.000	J		
P2195-01	OK-01-041824	Solid	unknown19.171	*	380.000	J		
P2195-01	OK-01-041824	Solid	unknown3.172	*	110.000	J		
Total Tics :					4,400.00			
P2195-01	OK-01-041824	Solid	1-Methylnaphthalene		140.000	J 110	220	ug/Kg
P2195-01	OK-01-041824	Solid	2-Methylnaphthalene		170.000	J 110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Acenaphthene		200.000	J 110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Anthracene		490.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Benzo(a)anthracene		1,000.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Benzo(a)pyrene		960.000	120	220	ug/Kg
P2195-01	OK-01-041824	Solid	Benzo(b)fluoranthene		1,200.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Benzo(g,h,i)perylene		340.000	100	220	ug/Kg
P2195-01	OK-01-041824	Solid	Benzo(k)fluoranthene		490.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Carbazole		130.000	J 100	220	ug/Kg
P2195-01	OK-01-041824	Solid	Chrysene		930.000	100	220	ug/Kg
P2195-01	OK-01-041824	Solid	Dibenzofuran		170.000	J 110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Fluoranthene		2,200.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Fluorene		330.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Indeno(1,2,3-cd)pyrene		340.000	100	220	ug/Kg
P2195-01	OK-01-041824	Solid	Naphthalene		380.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Phenanthrene		1,700.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Pyrene		1,900.000	110	220	ug/Kg
P2195-01	OK-01-041824	Solid	Total PAH		12,460.000	1740	3520	ug/Kg
Total Svoc :					25,530.00			

Hit Summary Sheet SW-846

SDG No.: BG041924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				29,930.00				
Client ID :	NB-07-041824							
P2196-01	NB-07-041824	Solid	n-Hexadecanoic acid	*	180.000	J		
P2196-01	NB-07-041824	Solid	unknown14.794	*	47.800	J		
P2196-01	NB-07-041824	Solid	unknown3.166	*	80.700	J		
P2196-01	NB-07-041824	Solid	unknown3.683	*	96.500	J		
Total Tics :				405.00				
P2196-01	NB-07-041824	Solid	Benzo(b)fluoranthene		53.500	J	52.4	110 ug/Kg
P2196-01	NB-07-041824	Solid	Fluoranthene		68.800	J	52.8	110 ug/Kg
P2196-01	NB-07-041824	Solid	Pyrene		69.900	J	53.6	110 ug/Kg
Total Svoc :				192.20				
Total Concentration:				597.20				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG041724 SAS No.: BG041724 SDG No.: BG041724
Instrument ID: _____ Calibration Date(s): 4/17/2024 : _____
Calibration Time(s): 11:48 _____

LAB FILE ID:		RRF2.5 = BG060916.D			RRF005 = BG060917.D		RRF010 = BG060918.D	
		RRF020 = BG060919.D			RRF040 = BG060920.D		RRF050 = BG060921.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.983	0.952	0.977	0.878	0.936	0.945	3.9
Pyridine		1.530	1.485	1.538	1.381	1.491	1.481	3.6
2-Fluorophenol		1.207	1.214	1.197	1.052	1.134	1.151	5.4
Benzaldehyde		0.989	0.965	1.049	0.816	0.844	0.891	12.4
Aniline		1.953	2.042	2.193	1.899	1.990	2.021	4.6
Phenol-d6		1.611	1.633	1.743	1.598	1.678	1.659	3.1
Phenol		1.609	1.644	1.710	1.604	1.687	1.662	2.9
bis(2-Chloroethyl)ether		1.296	1.294	1.356	1.233	1.280	1.289	3.0
2-Chlorophenol		1.296	1.330	1.385	1.227	1.297	1.310	3.8
1,2-Dichlorobenzene		1.401	1.370	1.467	1.300	1.383	1.386	3.6
1,3-Dichlorobenzene		1.406	1.434	1.477	1.277	1.405	1.392	4.6
1,4-Dichlorobenzene		1.464	1.464	1.493	1.325	1.410	1.425	4.0
Benzyl Alcohol		1.330	1.362	1.492	1.373	1.470	1.427	4.9
2-Methylphenol		1.235	1.270	1.371	1.246	1.347	1.313	4.7
2,2-oxybis(1-Chloropropane)		3.108	3.088	3.223	2.905	3.151	3.116	3.3
Acetophenone		0.574	0.570	0.601	0.538	0.573	0.570	3.4
3+4-Methylphenols		1.636	1.751	1.937	1.771	1.888	1.822	6.0
n-Nitroso-di-n-propylamine	1.294	1.173	1.212	1.320	1.205	1.307	1.263	4.7
Nitrobenzene-d5		0.426	0.432	0.465	0.423	0.444	0.441	3.6
Hexachloroethane		0.518	0.518	0.523	0.470	0.510	0.506	3.7
Nitrobenzene		0.412	0.429	0.463	0.415	0.429	0.432	4.1
Isophorone		0.783	0.782	0.872	0.806	0.822	0.813	4.4
2-Nitrophenol		0.160	0.171	0.189	0.180	0.191	0.182	6.7
2,4-Dimethylphenol		0.335	0.317	0.325	0.307	0.315	0.320	3.0
bis(2-Chloroethoxy)methane		0.471	0.464	0.477	0.433	0.450	0.457	3.6
2,4-Dichlorophenol		0.340	0.359	0.369	0.332	0.342	0.347	3.7
1,2,4-Trichlorobenzene		0.369	0.381	0.390	0.353	0.368	0.372	3.6
Benzoic acid		0.210	0.227	0.281	0.251	0.287	0.259	11.8
Naphthalene		1.088	1.089	1.138	1.032	1.080	1.082	3.2
4-Chloroaniline		0.480	0.503	0.534	0.503	0.504	0.507	3.6
Hexachlorobutadiene		0.280	0.269	0.274	0.249	0.261	0.265	4.2
Caprolactam		0.127	0.120	0.138	0.128	0.129	0.128	4.8
4-Chloro-3-methylphenol		0.413	0.405	0.460	0.407	0.417	0.420	4.9
2-Methylnaphthalene		0.807	0.810	0.873	0.796	0.815	0.818	3.4
Hexachlorocyclopentadiene		0.260	0.294	0.308	0.315	0.340	0.316	10.1
2,4,6-Trichlorophenol		0.434	0.427	0.435	0.415	0.433	0.429	2.0

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.: BG041724 SAS No.: BG041724 SDG No.: BG041724
Instrument ID: _____ Calibration Date(s): 4/17/2024 : _____
Calibration Time(s): 11:48 _____

LAB FILE ID:		RRF2.5 = BG060916.D			RRF005 = BG060917.D		RRF010 = BG060918.D	
		RRF020 = BG060919.D			RRF040 = BG060920.D		RRF050 = BG060921.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.403	1.408	1.418	1.296	1.361	1.363	3.9
2,4,5-Trichlorophenol		0.505	0.523	0.536	0.502	0.518	0.518	2.8
1,1-Biphenyl		1.341	1.357	1.407	1.307	1.384	1.360	2.7
2-Chloronaphthalene		0.997	1.024	1.085	1.012	1.064	1.041	3.2
2-Nitroaniline		0.382	0.403	0.445	0.420	0.441	0.427	6.5
Dimethylphthalate		1.588	1.620	1.672	1.529	1.587	1.587	3.5
Acenaphthylene		1.722	1.784	1.817	1.702	1.773	1.760	2.5
2,6-Dinitrotoluene		0.294	0.306	0.343	0.321	0.333	0.323	5.7
3-Nitroaniline		0.337	0.350	0.382	0.348	0.360	0.355	4.4
Acenaphthene		1.062	1.080	1.119	1.025	1.051	1.067	3.1
2,4-Dinitrophenol			0.127	0.157	0.179	0.195	0.179	17.9
4-Nitrophenol		0.245	0.257	0.277	0.275	0.284	0.272	5.8
Dibenzofuran		1.803	1.832	1.903	1.741	1.800	1.803	3.6
2,4-Dinitrotoluene		0.393	0.439	0.495	0.458	0.486	0.462	8.0
Diethylphthalate		1.581	1.595	1.689	1.548	1.578	1.590	3.6
4-Chlorophenyl-phenylether		0.864	0.837	0.889	0.805	0.818	0.829	4.7
Fluorene		1.500	1.539	1.606	1.454	1.475	1.496	4.3
4-Nitroaniline		0.372	0.393	0.406	0.363	0.386	0.382	4.0
4,6-Dinitro-2-methylphenol			0.089	0.107	0.109	0.117	0.112	11.6
n-Nitrosodiphenylamine		0.551	0.548	0.575	0.519	0.554	0.549	3.2
Azobenzene		1.464	1.504	1.588	1.452	1.506	1.498	3.5
2,4,6-Tribromophenol		0.331	0.337	0.348	0.321	0.334	0.330	3.7
4-Bromophenyl-phenylether		0.225	0.218	0.233	0.215	0.227	0.224	3.1
Hexachlorobenzene		0.242	0.241	0.253	0.234	0.245	0.244	2.8
Atrazine		0.212	0.210	0.213	0.194	0.191	0.197	7.7
Pentachlorophenol		0.130	0.152	0.169	0.168	0.178	0.165	11.0
Phenanthrene		1.035	1.025	1.079	0.958	1.010	1.012	4.1
Anthracene		1.047	1.055	1.114	0.995	1.041	1.040	4.1
Carbazole		0.937	0.936	0.960	0.858	0.897	0.906	4.6
Di-n-butylphthalate		1.114	1.125	1.170	1.037	1.077	1.091	4.9
Fluoranthene		1.381	1.353	1.391	1.199	1.260	1.289	6.9
Benzidine		0.497	0.467	0.403	0.467	0.417	0.441	8.0
Pyrene		1.381	1.386	1.481	1.329	1.358	1.372	4.3
Terphenyl-d14		1.228	1.232	1.276	1.107	1.098	1.146	9.0
Butylbenzylphthalate		0.493	0.493	0.532	0.484	0.509	0.504	3.4
3,3-Dichlorobenzidine		0.519	0.503	0.534	0.488	0.501	0.503	3.7

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.: BG041724 SAS No.: BG041724 SDG No.: BG041724
Instrument ID: _____ Calibration Date(s): 4/17/2024 : _____
Calibration Time(s): 11:48 _____

LAB FILE ID:		RRF2.5 = BG060916.D			RRF005 = BG060917.D		RRF010 = BG060918.D	
		RRF020 = BG060919.D			RRF040 = BG060920.D		RRF050 = BG060921.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.438	1.409	1.496	1.355	1.402	1.412	3.3
Chrysene		1.325	1.368	1.420	1.300	1.358	1.348	3.3
Bis(2-ethylhexyl)phthalate		0.736	0.740	0.798	0.712	0.744	0.745	3.8
Di-n-octyl phthalate		1.274	1.275	1.357	1.231	1.291	1.286	3.2
Benzo(b)fluoranthene		1.102	1.144	1.182	1.090	1.123	1.132	3.6
Benzo(k)fluoranthene		1.143	1.147	1.211	1.101	1.179	1.158	3.3
Benzo(a)pyrene		1.125	1.108	1.166	1.059	1.112	1.116	3.1
Indeno(1,2,3-cd)pyrene		1.299	1.350	1.458	1.328	1.403	1.383	4.3
Dibenzo(a,h)anthracene		1.015	1.113	1.209	1.107	1.169	1.138	5.8
Benzo(g,h,i)perylene		1.076	1.093	1.134	1.071	1.130	1.113	3.1
1,2,4,5-Tetrachlorobenzene		0.599	0.637	0.628	0.592	0.627	0.617	2.8
1,4-Dioxane		0.491	0.533	0.518	0.416	0.438	0.465	10.2
2,3,4,6-Tetrachlorophenol		0.453	0.483	0.502	0.468	0.481	0.475	3.6
1-Methylnaphthalene		0.758	0.770	0.834	0.752	0.772	0.772	3.9

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.: BG041924 SAS No.: BG041924 SDG NO.: BG041924

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BG060920.D Time Analyzed: 12:13

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	46826	7.942	191876	10.74	161157	14.57
UPPER LIMIT	93652	8.442	383752	11.238	322314	15.069
LOWER LIMIT	23413	7.442	95938	10.238	80578.5	14.069
EPA SAMPLE NO.						
01 PB160349BL	22929 *	7.94	85623 *	10.74	77135 *	14.57
02 B-101-SB01	29485	7.94	125109	10.74	96702	14.57
03 B-131-SB01	29072	7.94	111712	10.73	93685	14.57
04 RBR200027-E2	26775	7.94	106600	10.73	90853	14.57
05 222177	31986	7.94	120018	10.73	94356	14.57
06 YARD-2	28885	7.94	119035	10.73	94732	14.57
07 YARD-2MS	29458	7.94	112100	10.74	92273	14.57
08 YARD-2MSD	26480	7.94	100551	10.74	81491	14.57
09 SP-1A	31147	7.94	114684	10.73	90796	14.57
10 SP-1B	37572	7.94	122192	10.74	92124	14.57
11 NB-07-041824	36351	7.94	116436	10.74	89797	14.57
12 OK-01-041824	28832	7.94	101507	10.74	75338 *	14.57
13 CL-01-041824	29489	7.95	104391	10.74	79307 *	14.58
14 72-11935DL	28615	7.95	101201	10.74	76250 *	14.57

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041924 SAS No.: BG041924 SDG NO.: BG041924

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BG060955.D Time Analyzed: 12:13

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	25890	7.938	101682	10.74	86076	14.57
UPPER LIMIT	51780	8.438	203364	11.235	172152	15.071
LOWER LIMIT	12945	7.438	50841	10.235	43038	14.071
EPA SAMPLE NO.						
01 PB160349BL	22929	7.94	85623	10.74	77135	14.57
02 B-101-SB01	29485	7.94	125109	10.74	96702	14.57
03 B-131-SB01	29072	7.94	111712	10.73	93685	14.57
04 RBR200027-E2	26775	7.94	106600	10.73	90853	14.57
05 222177	31986	7.94	120018	10.73	94356	14.57
06 YARD-2	28885	7.94	119035	10.73	94732	14.57
07 YARD-2MS	29458	7.94	112100	10.74	92273	14.57
08 YARD-2MSD	26480	7.94	100551	10.74	81491	14.57
09 SP-1A	31147	7.94	114684	10.73	90796	14.57
10 SP-1B	37572	7.94	122192	10.74	92124	14.57
11 NB-07-041824	36351	7.94	116436	10.74	89797	14.57
12 OK-01-041824	28832	7.94	101507	10.74	75338	14.57
13 CL-01-041824	29489	7.95	104391	10.74	79307	14.58
14 72-11935DL	28615	7.95	101201	10.74	76250	14.57

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041924 SAS No.: BG041924 SDG NO.: BG041924

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BG060920.D Time Analyzed: 12:13

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	421342	17.319	394752	21.579	465316	24.698
UPPER LIMIT	842684	17.819	789504	22.079	930632	25.198
LOWER LIMIT	210671	16.819	197376	21.079	232658	24.198
EPA SAMPLE NO.						
01 PB160349BL	214242	17.32	224971	21.57	254507	24.70
02 B-101-SB01	219000	17.32	229715	21.58	268375	24.70
03 B-131-SB01	199617 *	17.33	197186 *	21.58	247589	24.69
04 RBR200027-E2	214620	17.31	209731	21.57	248365	24.69
05 222177	207498 *	17.32	188712 *	21.58	229287 *	24.71
06 YARD-2	212192	17.31	205581	21.57	254597	24.69
07 YARD-2MS	214444	17.32	203486	21.58	250132	24.70
08 YARD-2MSD	195994 *	17.32	189742 *	21.58	228010 *	24.70
09 SP-1A	208591 *	17.31	207661	21.57	254659	24.70
10 SP-1B	214956	17.32	210535	21.58	253721	24.70
11 NB-07-041824	198732 *	17.31	191645 *	21.57	220287 *	24.71
12 OK-01-041824	166775 *	17.32	164036 *	21.58	177442 *	24.72
13 CL-01-041824	172287 *	17.32	168778 *	21.58	172510 *	24.71
14 72-11935DL	166275 *	17.32	164199 *	21.58	178935 *	24.71

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041924 SAS No.: BG041924 SDG NO.: BG041924

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BG060955.D Time Analyzed: 12:13

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	215327	17.315	207391	21.581	247976	24.701
	UPPER LIMIT	430654	17.815	414782	22.081	495952	25.201
	LOWER LIMIT	107663.5	16.815	103695.5	21.081	123988	24.201
	EPA SAMPLE NO.						
01	PB160349BL	214242	17.32	224971	21.57	254507	24.70
02	B-101-SB01	219000	17.32	229715	21.58	268375	24.70
03	B-131-SB01	199617	17.33	197186	21.58	247589	24.69
04	RBR200027-E2	214620	17.31	209731	21.57	248365	24.69
05	222177	207498	17.32	188712	21.58	229287	24.71
06	YARD-2	212192	17.31	205581	21.57	254597	24.69
07	YARD-2MS	214444	17.32	203486	21.58	250132	24.70
08	YARD-2MSD	195994	17.32	189742	21.58	228010	24.70
09	SP-1A	208591	17.31	207661	21.57	254659	24.70
10	SP-1B	214956	17.32	210535	21.58	253721	24.70
11	NB-07-041824	198732	17.31	191645	21.57	220287	24.71
12	OK-01-041824	166775	17.32	164036	21.58	177442	24.72
13	CL-01-041824	172287	17.32	168778	21.58	172510	24.71
14	72-11935DL	166275	17.32	164199	21.58	178935	24.71

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

B-101-SB01

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041924

SAS No.: BG041924 SDG NO.: BG041924

Lab File ID: BG060957.D

Lab Sample ID: P2125-01

Instrument ID: BNA_G

Date Extracted: 04/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/19/2024

Level: (low/med) LOW

Time Analyzed: 13:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-101-SB01	P2125-01	BG060957.D	04/19/2024
B-131-SB01	P2124-01	BG060958.D	04/19/2024
SP-1A	P2126-01	BG060964.D	04/19/2024
SP-1B	P2126-04	BG060965.D	04/19/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160349BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041924

SAS No.: BG041924 SDG NO.: BG041924

Lab File ID: BG060956.D

Lab Sample ID: PB160349BL

Instrument ID: BNA_G

Date Extracted: 04/18/2024

Matrix: (soil/water) water

Date Analyzed: 04/19/2024

Level: (low/med) LOW

Time Analyzed: 12:13

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

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

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NB-07-041824

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041924

SAS No.: BG041924 SDG NO.: BG041924

Lab File ID: BG060966.D

Lab Sample ID: P2196-01

Instrument ID: BNA_G

Date Extracted: 04/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/19/2024

Level: (low/med) LOW

Time Analyzed: 19:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
NB-07-041824	P2196-01	BG060966.D	04/19/2024
OK-01-041824	P2195-01	BG060967.D	04/19/2024
CL-01-041824	P2194-01	BG060968.D	04/19/2024
RBR200027-E2	P2187-02	BG060959.D	04/19/2024
222177	P2188-02	BG060960.D	04/19/2024
YARD-2	P2189-02	BG060961.D	04/19/2024
YARD-2MS	P2189-02MS	BG060962.D	04/19/2024
YARD-2MSD	P2189-02MSD	BG060963.D	04/19/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2189-02MS	Client Sample ID:	YARD-2MS					DataFile:	BG060962.D		
n-Nitrosodimethylamine	1100		800	ug/Kg	73				66	124	
Pyridine	1100		420	ug/Kg	38	*			45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		510	ug/Kg	46				10	88	
Phenol	1100		810	ug/Kg	74				67	126	
bis(2-Chloroethyl)ether	1100		650	ug/Kg	59	*			74	116	
2-Chlorophenol	1100		860	ug/Kg	78				61	138	
1,2-Dichlorobenzene	1100		880	ug/Kg	80				61	105	
1,3-Dichlorobenzene	1100		840	ug/Kg	76				62	101	
1,4-Dichlorobenzene	1100		870	ug/Kg	79				63	104	
Benzyl Alcohol	1100		860	ug/Kg	78				47	126	
2-Methylphenol	1100		770	ug/Kg	70				66	122	
2,2-oxybis(1-Chloropropane)	1100		700	ug/Kg	64				52	115	
Acetophenone	1100		870	ug/Kg	79				75	111	
3+4-Methylphenols	1100		770	ug/Kg	70				53	132	
N-Nitroso-di-n-propylamine	1100		720	ug/Kg	65				59	119	
Hexachloroethane	1100		870	ug/Kg	79				65	117	
Nitrobenzene	1100		860	ug/Kg	78				70	119	
Isophorone	1100		830	ug/Kg	75	*			76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		710	ug/Kg	65	*			83	144	
bis(2-Chloroethoxy)methane	1100		760	ug/Kg	69				68	112	
2,4-Dichlorophenol	1100		990	ug/Kg	90				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		910	ug/Kg	83				50	104	
Naphthalene	1100		900	ug/Kg	82				72	110	
4-Chloroaniline	1100		480	ug/Kg	44				10	100	
Hexachlorobutadiene	1100		1200	ug/Kg	109				66	114	
Caprolactam	1100		820	ug/Kg	75				51	134	
4-Chloro-3-methylphenol	1100		890	ug/Kg	81				57	132	
2-Methylnaphthalene	1100		910	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2300		1900	ug/Kg	83				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		960	ug/Kg	87				72	117	
1,1-Biphenyl	1100		950	ug/Kg	86				75	113	
2-Chloronaphthalene	1100		980	ug/Kg	89				67	118	
2-Nitroaniline	1100		870	ug/Kg	79				69	127	
Dimethylphthalate	1100		890	ug/Kg	81				70	113	
Acenaphthylene	1100		980	ug/Kg	89				79	118	
2,6-Dinitrotoluene	1100		940	ug/Kg	85				70	125	
3-Nitroaniline	1100		660	ug/Kg	60				20	111	
Acenaphthene	1100		920	ug/Kg	84				70	121	
Total PAH	17600		15420	ug/Kg	88				70	121	
2,4-Dinitrophenol	2300		1600	ug/Kg	70				16	160	
4-Nitrophenol	2300		1700	ug/Kg	74				45	133	
Dibenzofuran	1100		920	ug/Kg	84				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		960	ug/Kg	87				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1900	ug/Kg	86				55	128	
Diethylphthalate	1100		870	ug/Kg	79				70	112	
4-Chlorophenyl-phenylether	1100		990	ug/Kg	90				71	108	
Fluorene	1100		920	ug/Kg	84				68	116	
4-Nitroaniline	1100		770	ug/Kg	70				55	120	
4,6-Dinitro-2-methylphenol	1100		990	ug/Kg	90				32	145	
N-Nitrosodiphenylamine	1100		990	ug/Kg	90				73	118	
Azobenzene	1100		800	ug/Kg	73				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		1200	ug/Kg	109				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2300		2400	ug/Kg	104				47	128	
Phenanthrene	1100		980	ug/Kg	89				72	113	
Anthracene	1100		960	ug/Kg	87				62	124	
Carbazole	1100		910	ug/Kg	83				59	119	
Di-n-butylphthalate	1100		900	ug/Kg	82				69	118	
Fluoranthene	1100		970	ug/Kg	88				59	125	
Benzydine	2300		1300	ug/Kg	57				10	119	
Pyrene	1100		970	ug/Kg	88				52	128	
Butylbenzylphthalate	1100		890	ug/Kg	81				64	126	
3,3-Dichlorobenzidine	1100		890	ug/Kg	81				10	164	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		980	ug/Kg	89				57	121	
bis(2-Ethylhexyl)phthalate	1100		870	ug/Kg	79				66	127	
Di-n-octyl phthalate	1100		850	ug/Kg	77				71	126	
Benzo(b)fluoranthene	1100		990	ug/Kg	90				67	121	
Benzo(k)fluoranthene	1100		970	ug/Kg	88				74	114	
Benzo(a)pyrene	1100		950	ug/Kg	86				70	142	
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91				61	125	
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91				67	130	
Benzo(g,h,i)perylene	1100		930	ug/Kg	85				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100				69	124	
1,4-Dioxane	1100		440	ug/Kg	40	*			46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				56	133	
1-Methylnaphthalene	1100		900	ug/Kg	82				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2189-02MSD	Client Sample ID:	YARD-2MSD					DataFile:	BG060963.D		
n-Nitrosodimethylamine	1100		900	ug/Kg	82		12		66	124	20
Pyridine	1100		460	ug/Kg	42	*	10		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		510	ug/Kg	46		0		10	88	20
Phenol	1100		820	ug/Kg	75		1		67	126	20
bis(2-Chloroethyl)ether	1100		720	ug/Kg	65	*	10		74	116	20
2-Chlorophenol	1100		920	ug/Kg	84		7		61	138	20
1,2-Dichlorobenzene	1100		900	ug/Kg	82		2		61	105	20
1,3-Dichlorobenzene	1100		870	ug/Kg	79		4		62	101	20
1,4-Dichlorobenzene	1100		890	ug/Kg	81		3		63	104	20
Benzyl Alcohol	1100		860	ug/Kg	78		0		47	126	20
2-Methylphenol	1100		800	ug/Kg	73		4		66	122	20
2,2-oxybis(1-Chloropropane)	1100		710	ug/Kg	65		2		52	115	20
Acetophenone	1100		890	ug/Kg	81		3		75	111	20
3+4-Methylphenols	1100		800	ug/Kg	73		4		53	132	20
N-Nitroso-di-n-propylamine	1100		720	ug/Kg	65		0		59	119	20
Hexachloroethane	1100		900	ug/Kg	82		4		65	117	20
Nitrobenzene	1100		900	ug/Kg	82		5		70	119	20
Isophorone	1100		820	ug/Kg	75	*	0		76	122	20
2-Nitrophenol	1100		990	ug/Kg	90		1		54	145	20
2,4-Dimethylphenol	1100		730	ug/Kg	66	*	2		83	144	20
bis(2-Chloroethoxy)methane	1100		770	ug/Kg	70		1		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		1		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		0		57	103	20
Benzoic acid	1100		960	ug/Kg	87		5		50	104	20
Naphthalene	1100		910	ug/Kg	83		1		72	110	20
4-Chloroaniline	1100		520	ug/Kg	47		7		10	100	20
Hexachlorobutadiene	1100		1200	ug/Kg	109		0		66	114	20
Caprolactam	1100		850	ug/Kg	77		3		51	134	20
4-Chloro-3-methylphenol	1100		940	ug/Kg	85		5		57	132	20
2-Methylnaphthalene	1100		890	ug/Kg	81		2		59	123	20
Hexachlorocyclopentadiene	2300		2000	ug/Kg	87		5		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1100		990	ug/Kg	90		3		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		6		75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91		2		67	118	20
2-Nitroaniline	1100		910	ug/Kg	83		5		69	127	20
Dimethylphthalate	1100		930	ug/Kg	85		5		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		2		79	118	20
2,6-Dinitrotoluene	1100		950	ug/Kg	86		1		70	125	20
3-Nitroaniline	1100		710	ug/Kg	65		8		20	111	20
Acenaphthene	1100		950	ug/Kg	86		2		70	121	20
Total PAH	17600		15860	ug/Kg	90		2		70	121	20
2,4-Dinitrophenol	2300		1800	ug/Kg	78		11		16	160	20
4-Nitrophenol	2300		1800	ug/Kg	78		5		45	133	20
Dibenzofuran	1100		960	ug/Kg	87		4		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1000	ug/Kg	91		4		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1950	ug/Kg	89		3		55	128	20
Diethylphthalate	1100		910	ug/Kg	83		5		70	112	20
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91		1		71	108	20
Fluorene	1100		960	ug/Kg	87		4		68	116	20
4-Nitroaniline	1100		820	ug/Kg	75		7		55	120	20
4,6-Dinitro-2-methylphenol	1100		1000	ug/Kg	91		1		32	145	20
N-Nitrosodiphenylamine	1100		990	ug/Kg	90		0		73	118	20
Azobenzene	1100		840	ug/Kg	76		4		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1100		1300	ug/Kg	118		8		67	118	20
Atrazine	1100		1100	ug/Kg	100		0		79	127	20
Pentachlorophenol	2300		2400	ug/Kg	104		0		47	128	20
Phenanthrene	1100		1000	ug/Kg	91		2		72	113	20
Anthracene	1100		990	ug/Kg	90		3		62	124	20
Carbazole	1100		950	ug/Kg	86		4		59	119	20
Di-n-butylphthalate	1100		920	ug/Kg	84		2		69	118	20
Fluoranthene	1100		1000	ug/Kg	91		3		59	125	20
Benzydine	2300		1400	ug/Kg	61		7		10	119	20
Pyrene	1100		1000	ug/Kg	91		3		52	128	20
Butylbenzylphthalate	1100		910	ug/Kg	83		2		64	126	20
3,3-Dichlorobenzidine	1100		890	ug/Kg	81		0		10	164	20
Benzo(a)anthracene	1100		1000	ug/Kg	91		0		71	114	20
Chrysene	1100		1000	ug/Kg	91		2		57	121	20
bis(2-Ethylhexyl)phthalate	1100		880	ug/Kg	80		1		66	127	20
Di-n-octyl phthalate	1100		850	ug/Kg	77		0		71	126	20
Benzo(b)fluoranthene	1100		1000	ug/Kg	91		1		67	121	20
Benzo(k)fluoranthene	1100		1000	ug/Kg	91		3		74	114	20
Benzo(a)pyrene	1100		990	ug/Kg	90		5		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100		9		61	125	20
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91		0		67	130	20
Benzo(g,h,i)perylene	1100		960	ug/Kg	87		2		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109		9		69	124	20
1,4-Dioxane	1100		490	ug/Kg	45	*	12		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		0		56	133	20
1-Methylnaphthalene	1100		900	ug/Kg	82		0		70	130	20

Surrogate Summary

SW-846

SDG No.: **BG041924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2124-01	B-131-SB01	BG060958.D	2-Fluorophenol	150	72.28	48		18	112
			Phenol-d6	150	72.66	48		15	107
			Nitrobenzene-d5	100	51.17	51		18	107
			2-Fluorobiphenyl	100	51.99	52		20	109
			2,4,6-Tribromophenol	150	84.04	56		10	110
			Terphenyl-d14	100	51.29	51		14	112
P2125-01	B-101-SB01	BG060957.D	2-Fluorophenol	150	89.69	60		18	112
			Phenol-d6	150	82.65	55		15	107
			Nitrobenzene-d5	100	59.57	60		18	107
			2-Fluorobiphenyl	100	66.16	66		20	109
			2,4,6-Tribromophenol	150	101.62	68		10	110
			Terphenyl-d14	100	60.46	60		14	112
P2126-01	SP-1A	BG060964.D	2-Fluorophenol	150	71.93	48		18	112
			Phenol-d6	150	66.63	44		15	107
			Nitrobenzene-d5	100	50.91	51		18	107
			2-Fluorobiphenyl	100	54.16	54		20	109
			2,4,6-Tribromophenol	150	94.66	63		10	110
			Terphenyl-d14	100	53.98	54		14	112
P2126-04	SP-1B	BG060965.D	2-Fluorophenol	150	64.47	43		18	112
			Phenol-d6	150	60.54	40		15	107
			Nitrobenzene-d5	100	52.18	52		18	107
			2-Fluorobiphenyl	100	58.61	59		20	109
			2,4,6-Tribromophenol	150	99.71	66		10	110
			Terphenyl-d14	100	56.75	57		14	112



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

Surrogate Summary

SW-846

SDG No.: BG041924

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2148-01DL	72-11935DL	BG060969.D	2-Fluorophenol	150	95.20	63		18	112
			Phenol-d6	150	82.90	55		15	107
			Nitrobenzene-d5	100	67.65	68		18	107
			2-Fluorobiphenyl	100	71.05	71		20	109
			2,4,6-Tribromophenol	150	116.80	78		10	110
			Terphenyl-d14	100	78.65	79		14	112



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: BG041924

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160349BL	PB160349BL	BG060956.D	2-Fluorophenol	150	134.14	89		10	139
			Phenol-d6	150	125.62	84		10	134
			Nitrobenzene-d5	100	86.29	86		49	133
			2-Fluorobiphenyl	100	86.75	87		52	132
			2,4,6-Tribromophenol	150	162.95	109		32	145
			Terphenyl-d14	100	93.00	93		36	145

Surrogate Summary

SW-846

SDG No.: **BG041924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2187-02	RBR200027-E2	BG060959.D	2-Fluorophenol	150	92.13	61		18	112
			Phenol-d6	150	90.07	60		15	107
			Nitrobenzene-d5	100	62.31	62		18	107
			2-Fluorobiphenyl	100	62.29	62		20	109
			2,4,6-Tribromophenol	150	114.77	77		10	110
			Terphenyl-d14	100	64.04	64		14	112
P2188-02	222177	BG060960.D	2-Fluorophenol	150	86.97	58		18	112
			Phenol-d6	150	80.79	54		15	107
			Nitrobenzene-d5	100	58.54	59		18	107
			2-Fluorobiphenyl	100	57.09	57		20	109
			2,4,6-Tribromophenol	150	96.37	64		10	110
			Terphenyl-d14	100	59.92	60		14	112
P2189-02	YARD-2	BG060961.D	2-Fluorophenol	150	118.33	79		18	112
			Phenol-d6	150	109.49	73		15	107
			Nitrobenzene-d5	100	72.43	72		18	107
			2-Fluorobiphenyl	100	78.45	78		20	109
			2,4,6-Tribromophenol	150	140.94	94		10	110
			Terphenyl-d14	100	81.51	82		14	112
P2189-02MS	YARD-2MS	BG060962.D	2-Fluorophenol	150	91.74	61		18	112
			Phenol-d6	150	92.92	62		15	107
			Nitrobenzene-d5	100	69.12	69		18	107
			2-Fluorobiphenyl	100	74.84	75		20	109
			2,4,6-Tribromophenol	150	138.17	92		10	110
			Terphenyl-d14	100	80.03	80		14	112
P2189-02MSD	YARD-2MSD	BG060963.D	2-Fluorophenol	150	95.19	63		18	112
			Phenol-d6	150	94.14	63		15	107
			Nitrobenzene-d5	100	71.12	71		18	107
			2-Fluorobiphenyl	100	78.04	78		20	109
			2,4,6-Tribromophenol	150	145.26	97		10	110
			Terphenyl-d14	100	81.98	82		14	112
P2194-01	CL-01-041824	BG060968.D	2-Fluorophenol	150	84.84	57		18	112
			Phenol-d6	150	85.81	57		15	107
			Nitrobenzene-d5	100	63.85	64		18	107
			2-Fluorobiphenyl	100	72.05	72		20	109
			2,4,6-Tribromophenol	150	116.27	78		10	110
			Terphenyl-d14	100	67.47	67		14	112
P2195-01	OK-01-041824	BG060967.D	2-Fluorophenol	150	90.41	60		18	112
			Phenol-d6	150	88.77	59		15	107
			Nitrobenzene-d5	100	68.72	69		18	107
			2-Fluorobiphenyl	100	74.29	74		20	109
			2,4,6-Tribromophenol	150	119.48	80		10	110
			Terphenyl-d14	100	69.04	69		14	112
P2196-01	NB-07-041824	BG060966.D	2-Fluorophenol	150	70.51	47		18	112
			Phenol-d6	150	79.59	53		15	107
			Nitrobenzene-d5	100	57.37	57		18	107
			2-Fluorobiphenyl	100	62.47	62		20	109
			2,4,6-Tribromophenol	150	102.00	68		10	110
			Terphenyl-d14	100	64.02	64		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG041924

Lab Code: CHEM

SAS No.: BG041924 SDG NO.: BG041924

Lab File ID: BG060954.D

DFTPP Injection Date: 04/19/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	23.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	29.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	5
441	Present, but less than mass 443	16.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BG060955.D	04/19/2024	11:24
PB160349BL	PB160349BL	BG060956.D	04/19/2024	12:13
B-101-SB01	P2125-01	BG060957.D	04/19/2024	13:30
B-131-SB01	P2124-01	BG060958.D	04/19/2024	14:11
RBR200027-E2	P2187-02	BG060959.D	04/19/2024	14:52
222177	P2188-02	BG060960.D	04/19/2024	15:33
YARD-2	P2189-02	BG060961.D	04/19/2024	16:14
YARD-2MS	P2189-02MS	BG060962.D	04/19/2024	16:55
YARD-2MSD	P2189-02MSD	BG060963.D	04/19/2024	17:36
SP-1A	P2126-01	BG060964.D	04/19/2024	18:17
SP-1B	P2126-04	BG060965.D	04/19/2024	18:59
NB-07-041824	P2196-01	BG060966.D	04/19/2024	19:40
OK-01-041824	P2195-01	BG060967.D	04/19/2024	20:20
CL-01-041824	P2194-01	BG060968.D	04/19/2024	21:01
72-11935DL	P2148-01DL	BG060969.D	04/19/2024	21:42