

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG082824 SAS No.: BG082824 SDG No.: BG082824

Instrument ID: BNA_G Calibration Date/Time: 8/28/2024 1:10:57

Lab File ID: BG062590.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	0.770	0.700		-9.091	
Pyridine	1.445	1.344		-6.99	
2-Fluorophenol	1.115	1.196		7.265	
Benzaldehyde	1.002	1.073		7.086	
Aniline	1.499	1.601		6.805	
Phenol-d6	1.588	1.723		8.501	
Phenol	1.648	1.725		4.672	20.0
bis(2-Chloroethyl) ether	1.340	1.342		0.149	
2-Chlorophenol	1.201	1.279		6.495	
1,2-Dichlorobenzene	1.402	1.419		1.213	
1,3-Dichlorobenzene	1.406	1.411		0.356	
1,4-Dichlorobenzene	1.433	1.456		1.605	20.0
Benzyl Alcohol	1.106	1.213		9.675	
2-Methylphenol	1.101	1.198		8.81	
2,2-oxybis(1-Chloropropane)	2.545	2.611		2.593	
Acetophenone	0.499	0.569		14.028	
3+4-Methylphenols	1.505	1.745		15.947	
n-Nitroso-di-n-propylamine	1.063	1.294	0.050	21.731	
Nitrobenzene-d5	0.301	0.345		14.618	
Hexachloroethane	0.478	0.521		8.996	
Nitrobenzene	0.326	0.379		16.258	
Isophorone	0.731	0.810		10.807	
2-Nitrophenol	0.094	0.121		28.723	20.0
2,4-Dimethylphenol	0.191	0.210		9.948	
bis(2-Chloroethoxy) methane	0.424	0.447		5.425	
2,4-Dichlorophenol	0.283	0.299		5.654	20.0
1,2,4-Trichlorobenzene	0.346	0.360		4.046	
Benzoic acid	0.158	0.168		6.329	
Naphthalene	0.998	1.031		3.307	
4-Chloroaniline	0.363	0.389		7.163	
Hexachlorobutadiene	0.225	0.237		5.333	20.0
Caprolactam	0.076	0.093		22.368	
4-Chloro-3-methylphenol	0.306	0.345		12.745	20.0
2-Methylnaphthalene	0.673	0.757		12.481	
Hexachlorocyclopentadiene	0.143	0.160	0.050	11.888	
2,4,6-Trichlorophenol	0.326	0.371		13.804	20.0
2-Fluorobiphenyl	1.216	1.327		9.128	
2,4,5-Trichlorophenol	0.384	0.423		10.156	
1,1-Biphenyl	1.338	1.450		8.371	

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Lab File ID: BG062590.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	1.068	1.173		9.831	
2-Nitroaniline	0.183	0.243		32.787	
Dimethylphthalate	1.300	1.427		9.769	
Acenaphthylene	1.628	1.738		6.757	
2,6-Dinitrotoluene	0.221	0.248		12.217	
3-Nitroaniline	0.216	0.247		14.352	
Acenaphthene	1.005	1.054		4.876	20.0
2,4-Dinitrophenol	0.118	0.124	0.050	5.085	
4-Nitrophenol	0.204	0.220	0.050	7.843	
Dibenzofuran	1.722	1.789		3.891	
2,4-Dinitrotoluene	0.297	0.332		11.785	
Diethylphthalate	1.245	1.382		11.004	
4-Chlorophenyl-phenylether	0.719	0.742		3.199	
Fluorene	1.353	1.374		1.552	
4-Nitroaniline	0.239	0.272		13.808	
4,6-Dinitro-2-methylphenol	0.068	0.074		8.824	
n-Nitrosodiphenylamine	0.486	0.502		3.292	20.0
Azobenzene	1.415	1.473		4.099	
2,4,6-Tribromophenol	0.221	0.238		7.692	
4-Bromophenyl-phenylether	0.193	0.203		5.181	
Hexachlorobenzene	0.222	0.234		5.405	
Atrazine	0.132	0.133		0.758	
Pentachlorophenol	0.133	0.145		9.023	20.0
Phenanthrene	0.963	0.991		2.908	
Anthracene	0.942	0.977		3.715	
Carbazole	0.874	0.906		3.661	
Di-n-butylphthalate	0.765	0.882		15.294	
Fluoranthene	1.206	1.244		3.151	20.0
Benzidine	0.248	0.433		74.597	
Pyrene	1.272	1.341		5.425	
Terphenyl-d14	0.957	1.001		4.598	
Butylbenzylphthalate	0.241	0.323		34.025	
3,3-Dichlorobenzidine	0.337	0.396		17.507	
Benzo(a)anthracene	1.274	1.317		3.375	
Chrysene	1.246	1.274		2.247	
Bis(2-ethylhexyl)phthalate	0.403	0.504		25.062	
Di-n-octyl phthalate	0.760	0.888		16.842	20.0
Benzo(b)fluoranthene	1.120	1.164		3.929	
Benzo(k)fluoranthene	1.111	1.169		5.221	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG082824 SAS No.: BG082824 SDG No.: BG082824

Instrument ID: BNA_G Calibration Date/Time: 8/28/2024 1:10:57

Lab File ID: BG062590.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.985	1.037		5.279	20.0
Indeno(1,2,3-cd)pyrene	1.261	1.342		6.423	
Dibenzo(a,h)anthracene	1.042	1.120		7.486	
Benzo(g,h,i)perylene	1.060	1.124		6.038	
1,2,4,5-Tetrachlorobenzene	0.570	0.619		8.596	
1,4-Dioxane	0.531	0.479		-9.793	20.0
2,3,4,6-Tetrachlorophenol	0.350	0.368		5.143	
1-Methylnaphthalene	0.673	0.748		11.144	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BL	SDG No.:	BG082824
Lab Sample ID:	PB163031BL	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
BG062591.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BL	SDG No.:	BG082824
Lab Sample ID:	PB163031BL	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
BG062591.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BL	SDG No.:	BG082824
Lab Sample ID:	PB163031BL	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
BG062591.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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	141.367		10-139		94	SPK: -150
13127-88-3	Phenol-d6	128.838		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	93.369		49-133		93	SPK: -100
321-60-8	2-Fluorobiphenyl	82.889		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BL	SDG No.:	BG082824
Lab Sample ID:	PB163031BL	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
BG062591.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.434		44-137		90	SPK: -150
1718-51-0	Terphenyl-d14	83.888		48-125		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77438	7.929				
1146-65-2	Naphthalene-d8	316380	10.726				
15067-26-2	Acenaphthene-d10	243340	14.557				
1517-22-2	Phenanthrene-d10	600950	17.301				
1719-03-5	Chrysene-d12	645901	21.543				
1520-96-3	Perylene-d12	713354	24.627				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6	A			5.05	

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BS	SDG No.:	BG082824
Lab Sample ID:	PB163031BS	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
BG062592.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38		1	8	10	ug/L
110-86-1	Pyridine	24		1.6	4	5	ug/L
100-52-7	Benzaldehyde	14.7		4	8	10	ug/L
62-53-3	Aniline	28.3		1.6	4	5	ug/L
108-95-2	Phenol	52.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	51.7		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	42.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	42.1		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	42.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	53.8		1.6	8	10	ug/L
95-48-7	2-Methylphenol	50		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46		1.4	4	5	ug/L
98-86-2	Acetophenone	40.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	51.2		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	43.4		1	4	5	ug/L
98-95-3	Nitrobenzene	48.5		1.3	4	5	ug/L
78-59-1	Isophorone	45.4		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	51.5		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	57.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	52.8		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	51.5		5.5	8	10	ug/L
91-20-3	Naphthalene	42.3		1	4	5	ug/L
106-47-8	4-Chloroaniline	26.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	41.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BS	SDG No.:	BG082824
Lab Sample ID:	PB163031BS	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
BG062592.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	53.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	50.3		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	45.1		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.3		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.6		1	4	5	ug/L
92-52-4	1,1-Biphenyl	39.6		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	42.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	52.9		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.1		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.3		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	39.2		1.4	4	5	ug/L
83-32-9	Acenaphthene	42.8		0.81	4	5	ug/L
Total PAH	Total PAH	752.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.3		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	49.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	55		1.5	4	5	ug/L
84-66-2	Diethylphthalate	50		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.8		0.98	4	5	ug/L
86-73-7	Fluorene	43.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	53.8		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.3		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	46.4		0.89	4	5	ug/L
103-33-3	Azobenzene	45.5		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.2		1.1	4	5	ug/L
1912-24-9	Atrazine	53.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BS	SDG No.:	BG082824
Lab Sample ID:	PB163031BS	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
BG062592.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	86.8	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.5		0.89	4	5	ug/L
120-12-7	Anthracene	45.3		1.1	4	5	ug/L
86-74-8	Carbazole	46		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	54.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.6		1.3	4	5	ug/L
92-87-5	Benzidine	15.7		4.1	8	10	ug/L
129-00-0	Pyrene	42.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	52.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	39.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.6		0.94	4	5	ug/L
218-01-9	Chrysene	44.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	57		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	54.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	51.8		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	53.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.8		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	49.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	26.8		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.4		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	150.526		10-139		100	SPK: -150
13127-88-3	Phenol-d6	139.497		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	93.764		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	79.803		52-132		80	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163031BS	SDG No.:	BG082824
Lab Sample ID:	PB163031BS	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
BG062592.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	143.694		44-137		96	SPK: -150
1718-51-0	Terphenyl-d14	80.903		48-125		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74892	7.931				
1146-65-2	Naphthalene-d8	342142	10.728				
15067-26-2	Acenaphthene-d10	261734	14.559				
1517-22-2	Phenanthrene-d10	645903	17.303				
1719-03-5	Chrysene-d12	674833	21.551				
1520-96-3	Perylene-d12	687755	24.63				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILE	SDG No.:	BG082824
Lab Sample ID:	P3726-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062593.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILE	SDG No.:	BG082824
Lab Sample ID:	P3726-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BG062593.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILE	SDG No.:	BG082824
Lab Sample ID:	P3726-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062593.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	61.1	J	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	150.371		10-139		100	SPK: -150
13127-88-3	Phenol-d6	116.663		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	103.725		49-133		104	SPK: -100
321-60-8	2-Fluorobiphenyl	91.733		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILE	SDG No.:	BG082824
Lab Sample ID:	P3726-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BG062593.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	170.196		44-137		113	SPK: -150
1718-51-0	Terphenyl-d14	99.872		48-125		100	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76541	7.929				
1146-65-2	Naphthalene-d8	297793	10.725				
15067-26-2	Acenaphthene-d10	195946	14.556				
1517-22-2	Phenanthrene-d10	485578	17.3				
1719-03-5	Chrysene-d12	478435	21.542				
1520-96-3	Perylene-d12	545680	24.621				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMS	SDG No.:	BG082824
Lab Sample ID:	P3726-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062594.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	390		10.3	80	100	ug/L
110-86-1	Pyridine	280		15.5	40	50	ug/L
100-52-7	Benzaldehyde	120		40	80	100	ug/L
62-53-3	Aniline	210		16	40	50	ug/L
108-95-2	Phenol	460		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	430		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	500		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	370		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	390		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	520		16	80	100	ug/L
95-48-7	2-Methylphenol	460		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	380		13.5	40	50	ug/L
98-86-2	Acetophenone	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	460		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	450		14.8	25	25	ug/L
67-72-1	Hexachloroethane	380		10.1	40	50	ug/L
98-95-3	Nitrobenzene	450		12.7	40	50	ug/L
78-59-1	Isophorone	460		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	530		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	650		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	450		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	530		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	420		11	40	50	ug/L
65-85-0	Benzoic acid	330		54.7	80	100	ug/L
91-20-3	Naphthalene	430		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	48.7	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	410		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMS	SDG No.:	BG082824
Lab Sample ID:	P3726-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062594.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	530		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	510		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	440		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1800	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	530		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	440		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	450		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	560		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	530		9.3	40	50	ug/L
208-96-8	Acenaphthylene	500		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	460		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	190		13.7	40	50	ug/L
83-32-9	Acenaphthene	480		8.1	40	50	ug/L
Total PAH	Total PAH	7790		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1000	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	490		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	580		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1040		27.6	40	100	ug/L
84-66-2	Diethylphthalate	570		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	490		9.8	40	50	ug/L
86-73-7	Fluorene	480		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	560		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	570		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	500		8.9	40	50	ug/L
103-33-3	Azobenzene	470		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	500		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	490		11.4	40	50	ug/L
1912-24-9	Atrazine	740		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMS	SDG No.:	BG082824
Lab Sample ID:	P3726-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062594.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	490		8.9	40	50	ug/L
120-12-7	Anthracene	510		10.7	40	50	ug/L
86-74-8	Carbazole	480		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	640		14.7	40	50	ug/L
206-44-0	Fluoranthene	460		12.9	40	50	ug/L
92-87-5	Benzidine	190		40.7	80	100	ug/L
129-00-0	Pyrene	480		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	630		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	300		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	490		9.4	40	50	ug/L
218-01-9	Chrysene	480		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	710		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	680		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	470		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	490		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	520		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	520		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	520		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	470		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	350		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	590		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	410		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.095		10-139		102	SPK: -150
13127-88-3	Phenol-d6	134.472		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	97.71		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	90.558		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMS	SDG No.:	BG082824
Lab Sample ID:	P3726-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BG062594.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	173.687		44-137		116	SPK: -150
1718-51-0	Terphenyl-d14	99.054		48-125		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82966	7.933				
1146-65-2	Naphthalene-d8	330888	10.724				
15067-26-2	Acenaphthene-d10	227021	14.555				
1517-22-2	Phenanthrene-d10	557169	17.298				
1719-03-5	Chrysene-d12	526172	21.546				
1520-96-3	Perylene-d12	617742	24.625				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMSD	SDG No.:	BG082824
Lab Sample ID:	P3726-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062595.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	300		15.5	40	50	ug/L
100-52-7	Benzaldehyde	130		40	80	100	ug/L
62-53-3	Aniline	210		16	40	50	ug/L
108-95-2	Phenol	480		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	440		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	510		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	410		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	410		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	410		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	550		16	80	100	ug/L
95-48-7	2-Methylphenol	500		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	420		13.5	40	50	ug/L
98-86-2	Acetophenone	480		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	500		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	490		14.8	25	25	ug/L
67-72-1	Hexachloroethane	420		10.1	40	50	ug/L
98-95-3	Nitrobenzene	500		12.7	40	50	ug/L
78-59-1	Isophorone	490		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	580		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	700		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	500		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	580		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	450		11	40	50	ug/L
65-85-0	Benzoic acid	420		54.7	80	100	ug/L
91-20-3	Naphthalene	460		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	43.4	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	450		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMSD	SDG No.:	BG082824
Lab Sample ID:	P3726-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062595.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	600		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	560		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	480		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1900	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	610		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	580		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	480		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	490		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	620		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	580		9.3	40	50	ug/L
208-96-8	Acenaphthylene	530		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	220		13.7	40	50	ug/L
83-32-9	Acenaphthene	510		8.1	40	50	ug/L
Total PAH	Total PAH	8290		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1200	E	20	80	100	ug/L
132-64-9	Dibenzofuran	520		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	170		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	650		15.2	40	50	ug/L
84-66-2	Diethylphthalate	610		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	520		9.8	40	50	ug/L
86-73-7	Fluorene	510		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	640		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	630		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	520		8.9	40	50	ug/L
103-33-3	Azobenzene	500		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	530		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	520		11.4	40	50	ug/L
1912-24-9	Atrazine	790		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMSD	SDG No.:	BG082824
Lab Sample ID:	P3726-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062595.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1200	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	510		8.9	40	50	ug/L
120-12-7	Anthracene	530		10.7	40	50	ug/L
86-74-8	Carbazole	510		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	680		14.7	40	50	ug/L
206-44-0	Fluoranthene	490		12.9	40	50	ug/L
92-87-5	Benzidine	200		40.7	80	100	ug/L
129-00-0	Pyrene	510		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	670		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	330		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	510		9.4	40	50	ug/L
218-01-9	Chrysene	510		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	750		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	720		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	500		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	530		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	560		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	560		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	560		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	510		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	500		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	370		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	650		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	460		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	159.855		10-139		107	SPK: -150
13127-88-3	Phenol-d6	140.589		10-134		94	SPK: -150
4165-60-0	Nitrobenzene-d5	109.413		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	98.587		52-132		99	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MOO-SOIL-PILEMSD	SDG No.:	BG082824
Lab Sample ID:	P3726-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BG062595.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	191.066		44-137		127	SPK: -150
1718-51-0	Terphenyl-d14	103.547		48-125		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76325	7.936				
1146-65-2	Naphthalene-d8	301049	10.727				
15067-26-2	Acenaphthene-d10	208779	14.557				
1517-22-2	Phenanthrene-d10	526077	17.301				
1719-03-5	Chrysene-d12	515714	21.549				
1520-96-3	Perylene-d12	595783	24.628				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MH-21	SDG No.:	BG082824
Lab Sample ID:	P3727-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062596.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MH-21	SDG No.:	BG082824
Lab Sample ID:	P3727-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062596.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MH-21	SDG No.:	BG082824
Lab Sample ID:	P3727-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062596.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	161.665		10-139		108	SPK: -150
13127-88-3	Phenol-d6	128.174		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	112.971		49-133		113	SPK: -100
321-60-8	2-Fluorobiphenyl	101.259		52-132		101	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	MH-21	SDG No.:	BG082824
Lab Sample ID:	P3727-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062596.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	202.853		44-137		135	SPK: -150
1718-51-0	Terphenyl-d14	105.731		48-125		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70407	7.932				
1146-65-2	Naphthalene-d8	278925	10.723				
15067-26-2	Acenaphthene-d10	189015	14.554				
1517-22-2	Phenanthrene-d10	492394	17.298				
1719-03-5	Chrysene-d12	519902	21.546				
1520-96-3	Perylene-d12	600797	24.625				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BG082824
Lab Sample ID:	P3735-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062597.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BG082824
Lab Sample ID:	P3735-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062597.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BG082824
Lab Sample ID:	P3735-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062597.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	171.779		10-139		115	SPK: -150
13127-88-3	Phenol-d6	151.709		10-134		101	SPK: -150
4165-60-0	Nitrobenzene-d5	105.184		49-133		105	SPK: -100
321-60-8	2-Fluorobiphenyl	97.812		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BG082824
Lab Sample ID:	P3735-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062597.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	193.94		44-137		129	SPK: -150
1718-51-0	Terphenyl-d14	98.799		48-125		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72873	7.929				
1146-65-2	Naphthalene-d8	281931	10.72				
15067-26-2	Acenaphthene-d10	190295	14.551				
1517-22-2	Phenanthrene-d10	491167	17.294				
1719-03-5	Chrysene-d12	521431	21.542				
1520-96-3	Perylene-d12	600417	24.621				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-13	SDG No.:	BG082824
Lab Sample ID:	P3735-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062598.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-13	SDG No.:	BG082824
Lab Sample ID:	P3735-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062598.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	44.6	J	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-13	SDG No.:	BG082824
Lab Sample ID:	P3735-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062598.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	145.204		10-139		97	SPK: -150
13127-88-3	Phenol-d6	119.964		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	107.534		49-133		108	SPK: -100
321-60-8	2-Fluorobiphenyl	98.837		52-132		99	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-13	SDG No.:	BG082824
Lab Sample ID:	P3735-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062598.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	182.098		44-137		121	SPK: -150
1718-51-0	Terphenyl-d14	87.282		48-125		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75820	7.935				
1146-65-2	Naphthalene-d8	282149	10.72				
15067-26-2	Acenaphthene-d10	186800	14.551				
1517-22-2	Phenanthrene-d10	486563	17.294				
1719-03-5	Chrysene-d12	532753	21.542				
1520-96-3	Perylene-d12	609634	24.621				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BG082824
Lab Sample ID:	P3735-18	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062599.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BG082824
Lab Sample ID:	P3735-18	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062599.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BG082824
Lab Sample ID:	P3735-18	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062599.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	155.797		10-139		104	SPK: -150
13127-88-3	Phenol-d6	128.562		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	105.075		49-133		105	SPK: -100
321-60-8	2-Fluorobiphenyl	100.638		52-132		101	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	WC-16	SDG No.:	BG082824
Lab Sample ID:	P3735-18	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062599.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	204.034		44-137		136	SPK: -150
1718-51-0	Terphenyl-d14	106.298		48-125		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69849	7.932				
1146-65-2	Naphthalene-d8	273354	10.723				
15067-26-2	Acenaphthene-d10	179101	14.553				
1517-22-2	Phenanthrene-d10	492448	17.297				
1719-03-5	Chrysene-d12	505129	21.539				
1520-96-3	Perylene-d12	581577	24.618				

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BG082824
Lab Sample ID:	P3739-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062600.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BG082824
Lab Sample ID:	P3739-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062600.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BG082824
Lab Sample ID:	P3739-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062600.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	149.444		10-139		100	SPK: -150
13127-88-3	Phenol-d6	128.153		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	99.558		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	94.211		52-132		94	SPK: -100

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BG082824
Lab Sample ID:	P3739-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BG062600.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	200.565		44-137		134	SPK: -150
1718-51-0	Terphenyl-d14	98.264		48-125		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66177	7.932				
1146-65-2	Naphthalene-d8	260012	10.723				
15067-26-2	Acenaphthene-d10	181371	14.553				
1517-22-2	Phenanthrene-d10	520125	17.297				
1719-03-5	Chrysene-d12	539457	21.539				
1520-96-3	Perylene-d12	618043	24.618				

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BG082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062601.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	310	380	ug/Kg
110-86-1	Pyridine	93	U	93	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	96.5	U	96.5	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.5	U	97.5	150	200	ug/Kg
95-57-8	2-Chlorophenol	97.2	U	97.2	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.5	U	98.5	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	96.6	U	96.6	310	380	ug/Kg
95-48-7	2-Methylphenol	93.8	U	93.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	92.9	U	92.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.9	U	46.9	93.1	93.1	ug/Kg
67-72-1	Hexachloroethane	96.6	U	96.6	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	98.5	U	98.5	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	99.9	U	99.9	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	87.9	U	87.9	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.4	U	99.4	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	310	380	ug/Kg
91-20-3	Naphthalene	96.2	U	96.2	150	200	ug/Kg
106-47-8	4-Chloroaniline	96.2	U	96.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97	U	97	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BG082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062601.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.2	U	90.2	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.1	U	96.1	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.1	U	83.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.2	U	86.2	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97	U	97	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	95.1	U	95.1	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.9	U	96.9	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.4	U	94.4	150	200	ug/Kg
Total PAH	Total PAH	1543.9	U	1543.9	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	310	380	ug/Kg
132-64-9	Dibenzofuran	98.3	U	98.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	96.9	U	196.9	150	400	ug/Kg
84-66-2	Diethylphthalate	93.3	U	93.3	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.7	U	99.7	150	200	ug/Kg
86-73-7	Fluorene	99.6	U	99.6	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95	U	95	150	200	ug/Kg
103-33-3	Azobenzene	92.7	U	92.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	91.9	U	91.9	150	200	ug/Kg
118-74-1	Hexachlorobenzene	99	U	99	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BG082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062601.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90	U	90	310	380	ug/Kg
85-01-8	Phenanthrene	120	J	97.8	150	200	ug/Kg
120-12-7	Anthracene	98.3	U	98.3	150	200	ug/Kg
86-74-8	Carbazole	93.5	U	93.5	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.2	U	98.2	150	200	ug/Kg
206-44-0	Fluoranthene	240		95.1	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	220		96.6	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	94	150	200	ug/Kg
218-01-9	Chrysene	140	J	92.6	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	94.4	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	96.2	U	96.2	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.9	U	90.9	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.5	U	94.5	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.8	J	93.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87	U	87	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	96.9	U	96.9	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.411		18-112		62	SPK: -150
13127-88-3	Phenol-d6	88.947		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	57.768		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	56.092		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BG082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062601.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	107.834		10-116		72	SPK: -150
1718-51-0	Terphenyl-d14	61.123		10-105		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75128	7.93				
1146-65-2	Naphthalene-d8	308803	10.721				
15067-26-2	Acenaphthene-d10	222792	14.552				
1517-22-2	Phenanthrene-d10	546816	17.296				
1719-03-5	Chrysene-d12	523909	21.543				
1520-96-3	Perylene-d12	620801	24.622				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	130	J			3.659	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	A			5.051	
000770-35-4	1-Phenoxypropan-2-ol	140	J			11.455	
	unknown14.769	83.4	J			14.769	
000057-10-3	n-Hexadecanoic acid	150	J			18.189	
1000351-75-7	Triacontyl trifluoroacetate	110	J			21.214	
1000309-12-4	Sulfurous acid, 2-propyl tridecyl	78	J			22.331	

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BG082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062602.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		100	310	380	ug/Kg
110-86-1	Pyridine	1500		92.9	150	200	ug/Kg
100-52-7	Benzaldehyde	990		210	310	380	ug/Kg
62-53-3	Aniline	1100		110	150	200	ug/Kg
108-95-2	Phenol	2100		96.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		97.3	150	200	ug/Kg
95-57-8	2-Chlorophenol	2100		97.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		98.3	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	2100		96.5	310	380	ug/Kg
95-48-7	2-Methylphenol	2000		93.7	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		110	150	200	ug/Kg
98-86-2	Acetophenone	1800		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	2100		92.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		46.8	93	93	ug/Kg
67-72-1	Hexachloroethane	2000		96.5	150	200	ug/Kg
98-95-3	Nitrobenzene	1900		110	150	200	ug/Kg
78-59-1	Isophorone	1800		98.3	150	200	ug/Kg
88-75-5	2-Nitrophenol	2300		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		99.7	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		87.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		99.3	150	200	ug/Kg
65-85-0	Benzoic acid	2500		280	310	380	ug/Kg
91-20-3	Naphthalene	1800		96	150	200	ug/Kg
106-47-8	4-Chloroaniline	680		96	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1900		96.8	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BG082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062602.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2600		100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		90.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	2000		95.9	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6400	E	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2300		83	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		86	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1700		100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		96.8	150	200	ug/Kg
88-74-4	2-Nitroaniline	2200		110	150	200	ug/Kg
131-11-3	Dimethylphthalate	1900		95	150	200	ug/Kg
208-96-8	Acenaphthylene	1900		100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		96.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	1500		100	150	200	ug/Kg
83-32-9	Acenaphthene	1900		94.3	150	200	ug/Kg
Total PAH	Total PAH	31100		1541.7	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	4600	E	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	4200	E	130	310	380	ug/Kg
132-64-9	Dibenzofuran	1900		98.1	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4000		196.7	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		100	150	200	ug/Kg
84-66-2	Diethylphthalate	2000		93.1	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		99.5	150	200	ug/Kg
86-73-7	Fluorene	1800		99.4	150	200	ug/Kg
100-01-6	4-Nitroaniline	2100		120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		94.9	150	200	ug/Kg
103-33-3	Azobenzene	1800		92.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		91.7	150	200	ug/Kg
118-74-1	Hexachlorobenzene	2000		98.8	150	200	ug/Kg
1912-24-9	Atrazine	2900		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BG082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062602.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4400	E	89.9	310	380	ug/Kg
85-01-8	Phenanthrene	1900		97.6	150	200	ug/Kg
120-12-7	Anthracene	2000		98.1	150	200	ug/Kg
86-74-8	Carbazole	1800		93.3	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	2400		98	150	200	ug/Kg
206-44-0	Fluoranthene	1900		95	150	200	ug/Kg
92-87-5	Benzidine	850		190	310	380	ug/Kg
129-00-0	Pyrene	2000		96.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2500		110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	2000		93.8	150	200	ug/Kg
218-01-9	Chrysene	1900		92.4	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2800		110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		94.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		96	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	2100		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		90.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		94.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		93.1	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		100	150	200	ug/Kg
123-91-1	1,4-Dioxane	1500		130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		86.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1900		96.7	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.908		18-112		63	SPK: -150
13127-88-3	Phenol-d6	89.928		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	56.488		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	53.048		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BG082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062602.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.773		10-116		69	SPK: -150
1718-51-0	Terphenyl-d14	59.056		10-105		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68648	7.932				
1146-65-2	Naphthalene-d8	310407	10.722				
15067-26-2	Acenaphthene-d10	236880	14.553				
1517-22-2	Phenanthrene-d10	555387	17.297				
1719-03-5	Chrysene-d12	524461	21.545				
1520-96-3	Perylene-d12	621210	24.624				

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITMSD	SDG No.:	BG082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
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
BG062603.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		100	310	380	ug/Kg
110-86-1	Pyridine	1400		92.9	150	200	ug/Kg
100-52-7	Benzaldehyde	910		210	310	380	ug/Kg
62-53-3	Aniline	1100		110	150	200	ug/Kg
108-95-2	Phenol	1900		96.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		97.4	150	200	ug/Kg
95-57-8	2-Chlorophenol	1900		97.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		98.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	2100		96.5	310	380	ug/Kg
95-48-7	2-Methylphenol	2000		93.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		110	150	200	ug/Kg
98-86-2	Acetophenone	1800		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1900		92.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		46.9	93.1	93.1	ug/Kg
67-72-1	Hexachloroethane	1800		96.5	150	200	ug/Kg
98-95-3	Nitrobenzene	2000		110	150	200	ug/Kg
78-59-1	Isophorone	1700		98.4	150	200	ug/Kg
88-75-5	2-Nitrophenol	2400		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2500		110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		99.8	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		87.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		99.3	150	200	ug/Kg
65-85-0	Benzoic acid	2300		280	310	380	ug/Kg
91-20-3	Naphthalene	1800		96.1	150	200	ug/Kg
106-47-8	4-Chloroaniline	720		96.1	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	2000		96.9	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMSD	SDG No.:	BG082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
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
BG062603.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2400		100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		90.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	2000		96	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6200	E	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2300		83.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		86.1	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1800		100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1900		96.9	150	200	ug/Kg
88-74-4	2-Nitroaniline	2300		110	150	200	ug/Kg
131-11-3	Dimethylphthalate	2000		95	150	200	ug/Kg
208-96-8	Acenaphthylene	2000		100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		96.8	150	200	ug/Kg
99-09-2	3-Nitroaniline	1500		100	150	200	ug/Kg
83-32-9	Acenaphthene	1800		94.3	150	200	ug/Kg
Total PAH	Total PAH	31200		1542.5	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	4400	E	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	4200	E	130	310	380	ug/Kg
132-64-9	Dibenzofuran	1900		98.2	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2300		100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4200		196.8	150	400	ug/Kg
84-66-2	Diethylphthalate	2000		93.2	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		99.6	150	200	ug/Kg
86-73-7	Fluorene	1700		99.5	150	200	ug/Kg
100-01-6	4-Nitroaniline	2000		120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		94.9	150	200	ug/Kg
103-33-3	Azobenzene	1700		92.6	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		91.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	2100		98.9	150	200	ug/Kg
1912-24-9	Atrazine	2900		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMSD	SDG No.:	BG082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062603.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4500	E	89.9	310	380	ug/Kg
85-01-8	Phenanthrene	2000		97.7	150	200	ug/Kg
120-12-7	Anthracene	2000		98.2	150	200	ug/Kg
86-74-8	Carbazole	1800		93.4	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	2400		98.1	150	200	ug/Kg
206-44-0	Fluoranthene	2000		95	150	200	ug/Kg
92-87-5	Benzidine	1000		190	310	380	ug/Kg
129-00-0	Pyrene	2000		96.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2500		110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	2000		93.9	150	200	ug/Kg
218-01-9	Chrysene	1900		92.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2900		110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2700		130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		94.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		96.1	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	2100		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		90.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		94.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		93.2	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		100	150	200	ug/Kg
123-91-1	1,4-Dioxane	1300		130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		86.9	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1800		96.8	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.851		18-112		56	SPK: -150
13127-88-3	Phenol-d6	81.554		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	61.553		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	56.548		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMSD	SDG No.:	BG082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062603.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	103.013		10-116		69	SPK: -150
1718-51-0	Terphenyl-d14	59.974		10-105		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83845	7.929				
1146-65-2	Naphthalene-d8	340005	10.726				
15067-26-2	Acenaphthene-d10	240506	14.557				
1517-22-2	Phenanthrene-d10	553075	17.3				
1719-03-5	Chrysene-d12	537938	21.548				
1520-96-3	Perylene-d12	630036	24.627				

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	SOIL-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062604.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

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

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	SOIL-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062604.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59.3	U	59.3	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.9	U	52.9	88.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.3	U	56.3	88.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.8	U	48.8	88.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.5	U	50.5	88.8	120	ug/Kg
92-52-4	1,1-Biphenyl	59.7	U	59.7	88.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.9	U	56.9	88.8	120	ug/Kg
88-74-4	2-Nitroaniline	64.9	U	64.9	88.8	120	ug/Kg
131-11-3	Dimethylphthalate	55.8	U	55.8	88.8	120	ug/Kg
208-96-8	Acenaphthylene	59.1	U	59.1	88.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.8	U	56.8	88.8	120	ug/Kg
99-09-2	3-Nitroaniline	60.9	U	60.9	88.8	120	ug/Kg
83-32-9	Acenaphthene	55.4	U	55.4	88.8	120	ug/Kg
Total PAH	Total PAH	927.8	U	904.9	88.8	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	230	ug/Kg
100-02-7	4-Nitrophenol	79.2	U	79.2	180	230	ug/Kg
132-64-9	Dibenzofuran	57.6	U	57.6	88.8	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15.7	U	115.7	88.8	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.9	U	58.9	88.8	120	ug/Kg
84-66-2	Diethylphthalate	54.7	U	54.7	88.8	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.4	U	58.4	88.8	120	ug/Kg
86-73-7	Fluorene	58.4	U	58.4	88.8	120	ug/Kg
100-01-6	4-Nitroaniline	73.1	U	73.1	88.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.9	U	79.9	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.7	U	55.7	88.8	120	ug/Kg
103-33-3	Azobenzene	54.4	U	54.4	88.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.9	U	53.9	88.8	120	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	88.8	120	ug/Kg
1912-24-9	Atrazine	62.4	U	62.4	88.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	SOIL-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062604.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.8	U	52.8	180	230	ug/Kg
85-01-8	Phenanthrene	74	J	57.4	88.8	120	ug/Kg
120-12-7	Anthracene	57.6	U	57.6	88.8	120	ug/Kg
86-74-8	Carbazole	54.8	U	54.8	88.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.6	U	57.6	88.8	120	ug/Kg
206-44-0	Fluoranthene	200		55.8	88.8	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	230	ug/Kg
129-00-0	Pyrene	180		56.7	88.8	120	ug/Kg
85-68-7	Butylbenzylphthalate	66.1	U	66.1	88.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.3	U	67.3	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	97.4	J	55.1	88.8	120	ug/Kg
218-01-9	Chrysene	90.5	J	54.3	88.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.1	U	62.1	88.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	75.1	U	75.1	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	120		55.4	88.8	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.4	U	56.4	88.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	63.5	88.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53.3	U	53.3	88.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.4	U	55.4	88.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65.9	J	54.7	88.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.3	U	59.3	88.8	120	ug/Kg
123-91-1	1,4-Dioxane	75.1	U	75.1	88.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	51	88.8	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.8	U	56.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.242		18-112		68	SPK: -150
13127-88-3	Phenol-d6	96.669		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	74.011		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	65.472		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	SOIL-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062604.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	119.193		10-116		79	SPK: -150
1718-51-0	Terphenyl-d14	66.846		10-105		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89483	7.932				
1146-65-2	Naphthalene-d8	362954	10.723				
15067-26-2	Acenaphthene-d10	249004	14.554				
1517-22-2	Phenanthrene-d10	571049	17.297				
1719-03-5	Chrysene-d12	563225	21.545				
1520-96-3	Perylene-d12	651631	24.624				

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	ASPHALT-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062605.D	10	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	540	U	540	1700	2000	ug/Kg
110-86-1	Pyridine	490	U	490	800	1100	ug/Kg
100-52-7	Benzaldehyde	1100	U	1100	1700	2000	ug/Kg
62-53-3	Aniline	600	U	600	800	1100	ug/Kg
108-95-2	Phenol	510	U	510	800	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	520	U	520	800	1100	ug/Kg
95-57-8	2-Chlorophenol	520	U	520	800	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	520	U	520	800	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	530	U	530	800	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	530	U	530	800	1100	ug/Kg
100-51-6	Benzyl Alcohol	510	U	510	1700	2000	ug/Kg
95-48-7	2-Methylphenol	500	U	500	800	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	560	U	560	800	1100	ug/Kg
98-86-2	Acetophenone	540	U	540	800	1100	ug/Kg
65794-96-9	3+4-Methylphenols	490	U	490	1700	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	490	490	ug/Kg
67-72-1	Hexachloroethane	510	U	510	800	1100	ug/Kg
98-95-3	Nitrobenzene	560	U	560	800	1100	ug/Kg
78-59-1	Isophorone	520	U	520	800	1100	ug/Kg
88-75-5	2-Nitrophenol	580	U	580	800	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	580	U	580	800	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	530	U	530	800	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	470	U	470	800	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	530	U	530	800	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2000	ug/Kg
91-20-3	Naphthalene	510	U	510	800	1100	ug/Kg
106-47-8	4-Chloroaniline	510	U	510	800	1100	ug/Kg
87-68-3	Hexachlorobutadiene	510	U	510	800	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	ASPHALT-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062605.D	10	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	540	U	540	1700	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	480	U	480	800	1100	ug/Kg
91-57-6	2-Methylnaphthalene	510	U	510	800	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	960	U	960	1700	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	440	U	440	800	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	460	U	460	800	1100	ug/Kg
92-52-4	1,1-Biphenyl	540	U	540	800	1100	ug/Kg
91-58-7	2-Chloronaphthalene	510	U	510	800	1100	ug/Kg
88-74-4	2-Nitroaniline	590	U	590	800	1100	ug/Kg
131-11-3	Dimethylphthalate	500	U	500	800	1100	ug/Kg
208-96-8	Acenaphthylene	530	U	530	800	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	510	U	510	800	1100	ug/Kg
99-09-2	3-Nitroaniline	550	U	550	800	1100	ug/Kg
83-32-9	Acenaphthene	500	U	500	800	1100	ug/Kg
Total PAH	Total PAH	8160	U	8160	800	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1700	2000	ug/Kg
100-02-7	4-Nitrophenol	720	U	720	1700	2000	ug/Kg
132-64-9	Dibenzofuran	520	U	520	800	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	530	U	530	800	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1040	U	1040	800	2200	ug/Kg
84-66-2	Diethylphthalate	490	U	490	800	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	530	U	530	800	1100	ug/Kg
86-73-7	Fluorene	530	U	530	800	1100	ug/Kg
100-01-6	4-Nitroaniline	660	U	660	800	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	720	U	720	1700	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	500	U	500	800	1100	ug/Kg
103-33-3	Azobenzene	490	U	490	800	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	490	U	490	800	1100	ug/Kg
118-74-1	Hexachlorobenzene	530	U	530	800	1100	ug/Kg
1912-24-9	Atrazine	560	U	560	800	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	ASPHALT-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062605.D	10	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	480	U	480	1700	2000	ug/Kg
85-01-8	Phenanthrene	520	U	520	800	1100	ug/Kg
120-12-7	Anthracene	520	U	520	800	1100	ug/Kg
86-74-8	Carbazole	500	U	500	800	1100	ug/Kg
84-74-2	Di-n-butylphthalate	520	U	520	800	1100	ug/Kg
206-44-0	Fluoranthene	500	U	500	800	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2000	ug/Kg
129-00-0	Pyrene	510	U	510	800	1100	ug/Kg
85-68-7	Butylbenzylphthalate	600	U	600	800	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610	U	610	1700	2000	ug/Kg
56-55-3	Benzo(a)anthracene	500	U	500	800	1100	ug/Kg
218-01-9	Chrysene	490	U	490	800	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	560	U	560	800	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	680	U	680	1700	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	500	U	500	800	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	510	U	510	800	1100	ug/Kg
50-32-8	Benzo(a)pyrene	570	U	570	800	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	480	U	480	800	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	500	U	500	800	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	490	U	490	800	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	540	U	540	800	1100	ug/Kg
123-91-1	1,4-Dioxane	680	U	680	800	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	460	U	460	800	1100	ug/Kg
90-12-0	1-Methylnaphthalene	510	U	510	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	56.58		18-112		38	SPK: -150
13127-88-3	Phenol-d6	52.87		15-107		35	SPK: -150
4165-60-0	Nitrobenzene-d5	36.82		18-107		37	SPK: -100
321-60-8	2-Fluorobiphenyl	40.75		20-109		41	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	ASPHALT-MOUND	SDG No.:	BG082824
Lab Sample ID:	P3760-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062605.D	10	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	64.63		10-116		43	SPK: -150
1718-51-0	Terphenyl-d14	44		10-105		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	110267	7.932				
1146-65-2	Naphthalene-d8	443590	10.723				
15067-26-2	Acenaphthene-d10	306076	14.554				
1517-22-2	Phenanthrene-d10	694180	17.298				
1719-03-5	Chrysene-d12	687385	21.54				
1520-96-3	Perylene-d12	790615	24.624				

Hit Summary Sheet SW-846

SDG No.: BG082824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MOO-SOIL-PILE								
P3726-02	MOO-SOIL-PILE	water	Pentachlorophenol	61.100	J	18.5	100	ug/L
			Total Svoc :			61.10		
			Total Concentration:			61.10		
Client ID : WC-13								
P3735-12	WC-13	water	Dimethylphthalate	44.600	J	9.3	50	ug/L
			Total Svoc :			44.60		
			Total Concentration:			44.60		
Client ID : SOIL-MOUND								
P3760-01	SOIL-MOUND	Solid	Benzo(a)anthracene	97.400	J	55.1	120	ug/Kg
P3760-01	SOIL-MOUND	Solid	Benzo(a)pyrene	100.000	J	63.5	120	ug/Kg
P3760-01	SOIL-MOUND	Solid	Benzo(b)fluoranthene	120.000		55.4	120	ug/Kg
P3760-01	SOIL-MOUND	Solid	Benzo(g,h,i)perylene	65.900	J	54.7	120	ug/Kg
P3760-01	SOIL-MOUND	Solid	Chrysene	90.500	J	54.3	120	ug/Kg
P3760-01	SOIL-MOUND	Solid	Fluoranthene	200.000		55.8	120	ug/Kg
P3760-01	SOIL-MOUND	Solid	Phenanthrene	74.000	J	57.4	120	ug/Kg
P3760-01	SOIL-MOUND	Solid	Pyrene	180.000		56.7	120	ug/Kg
			Total Svoc :			927.80		
			Total Concentration:			927.80		
Client ID : P-5-COMPOSITE								
P3767-01	P-5-COMPOSITE	Solid	(S)-(+)-1,2-Propanediol	*	130.000	J		
P3767-01	P-5-COMPOSITE	Solid	1-Phenoxypropan-2-ol	*	140.000	J		
P3767-01	P-5-COMPOSITE	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	A		
P3767-01	P-5-COMPOSITE	Solid	n-Hexadecanoic acid	*	150.000	J		
P3767-01	P-5-COMPOSITE	Solid	Sulfurous acid, 2-propyl tridecyl	*	78.000	J		
P3767-01	P-5-COMPOSITE	Solid	Triacetyl trifluoroacetate	*	110.000	J		
P3767-01	P-5-COMPOSITE	Solid	unknown14.769	*	83.400	J		
			Total Tics :			871.40		
P3767-01	P-5-COMPOSITE	Solid	Benzo(a)anthracene	120.000	J	94	200	ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Benzo(a)pyrene	130.000	J	110	200	ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Benzo(b)fluoranthene	180.000	J	94.4	200	ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Benzo(g,h,i)perylene	99.800	J	93.3	200	ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Chrysene	140.000	J	92.6	200	ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Fluoranthene	240.000		95.1	200	ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Phenanthrene	120.000	J	97.8	200	ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Pyrene	220.000		96.6	200	ug/Kg
			Total Svoc :			1,249.80		



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

Hit Summary Sheet
SW-846

SDG No.: BG082824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:		2,121.20			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG082724 SAS No.: BG082724 SDG No.: BG082724
Instrument ID: _____ Calibration Date(s): 8/27/2024 : _____
Calibration Time(s): 15:08 _____

LAB FILE ID:		RRF2.5 = BG062579.D			RRF005 = BG062580.D		RRF010 = BG062581.D	
		RRF020 = BG062582.D			RRF040 = BG062583.D		RRF050 = BG062584.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.858	0.728	0.838	0.836	0.711	0.770	9.2
Pyridine		1.515	1.396	1.598	1.603	1.333	1.445	8.6
2-Fluorophenol		1.194	1.113	1.255	1.006	0.997	1.115	8.3
Benzaldehyde		1.161	1.161	1.129	1.011	0.927	1.002	15.9
Aniline		1.445	1.506	1.603	1.495	1.502	1.499	4.4
Phenol-d6		1.523	1.539	1.692	1.619	1.566	1.588	3.8
Phenol		1.624	1.587	1.727	1.674	1.614	1.648	3.3
bis(2-Chloroethyl)ether		1.322	1.372	1.408	1.385	1.277	1.340	4.0
2-Chlorophenol		1.138	1.180	1.245	1.243	1.179	1.201	3.6
1,2-Dichlorobenzene		1.497	1.357	1.437	1.452	1.367	1.402	4.5
1,3-Dichlorobenzene		1.482	1.397	1.479	1.421	1.347	1.406	4.4
1,4-Dichlorobenzene		1.523	1.408	1.500	1.460	1.367	1.433	4.7
Benzyl Alcohol		0.946	0.979	1.139	1.165	1.145	1.106	9.2
2-Methylphenol		1.065	1.004	1.140	1.163	1.100	1.101	5.3
2,2-oxybis(1-Chloropropane)		2.442	2.387	2.647	2.681	2.545	2.545	4.4
Acetophenone		0.528	0.535	0.522	0.509	0.458	0.499	6.3
3+4-Methylphenols		1.362	1.382	1.578	1.602	1.526	1.505	6.7
n-Nitroso-di-n-propylamine	0.819	0.928	0.996	1.136	1.189	1.121	1.063	12.7
Nitrobenzene-d5		0.251	0.266	0.298	0.318	0.304	0.301	11.0
Hexachloroethane		0.458	0.421	0.493	0.501	0.486	0.478	6.1
Nitrobenzene		0.267	0.288	0.324	0.350	0.339	0.326	11.1
Isophorone		0.707	0.705	0.738	0.796	0.708	0.731	4.4
2-Nitrophenol		0.070	0.079	0.098	0.112	0.111	0.094	20.1
2,4-Dimethylphenol		0.171	0.176	0.194	0.200	0.193	0.191	6.6
bis(2-Chloroethoxy)methane		0.406	0.408	0.439	0.442	0.415	0.424	3.4
2,4-Dichlorophenol		0.246	0.260	0.287	0.302	0.289	0.283	7.5
1,2,4-Trichlorobenzene		0.363	0.344	0.351	0.360	0.330	0.346	4.0
Benzoic acid			0.119	0.150	0.156	0.168	0.158	14.2
Naphthalene		1.054	0.994	1.034	1.055	0.960	0.998	5.4
4-Chloroaniline		0.341	0.348	0.393	0.394	0.367	0.363	6.3
Hexachlorobutadiene		0.250	0.237	0.234	0.225	0.206	0.225	7.0
Caprolactam		0.062	0.068	0.081	0.080	0.075	0.076	10.8
4-Chloro-3-methylphenol		0.279	0.306	0.332	0.324	0.292	0.306	5.8
2-Methylnaphthalene		0.728	0.699	0.736	0.679	0.614	0.673	7.6
Hexachlorocyclopentadiene		0.110	0.121	0.133	0.154	0.154	0.143	15.5
2,4,6-Trichlorophenol		0.273	0.292	0.329	0.358	0.337	0.326	9.7

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.: BG082724 SAS No.: BG082724 SDG No.: BG082724
Instrument ID: _____ Calibration Date(s): 8/27/2024 : _____
Calibration Time(s): 15:08 _____

LAB FILE ID:		RRF2.5 = BG062579.D			RRF005 = BG062580.D		RRF010 = BG062581.D	
		RRF020 = BG062582.D			RRF040 = BG062583.D		RRF050 = BG062584.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.279	1.255	1.272	1.262	1.168	1.216	5.4
2,4,5-Trichlorophenol		0.349	0.369	0.383	0.407	0.386	0.384	5.2
1,1-Biphenyl		1.391	1.346	1.363	1.380	1.284	1.338	3.3
2-Chloronaphthalene		1.104	1.062	1.074	1.092	1.032	1.068	2.5
2-Nitroaniline		0.128	0.151	0.182	0.222	0.230	0.183	24.1
Dimethylphthalate		1.216	1.236	1.360	1.369	1.286	1.300	4.8
Acenaphthylene		1.599	1.608	1.695	1.706	1.586	1.628	3.2
2,6-Dinitrotoluene		0.147	0.178	0.211	0.241	0.241	0.221	20.1
3-Nitroaniline		0.153	0.163	0.211	0.234	0.237	0.216	19.7
Acenaphthene		1.039	0.992	1.043	1.041	0.972	1.005	3.5
2,4-Dinitrophenol			0.082	0.104	0.124	0.122	0.118	18.6
4-Nitrophenol			0.151	0.190	0.218	0.212	0.204	14.3
Dibenzofuran		1.789	1.755	1.797	1.789	1.650	1.722	4.8
2,4-Dinitrotoluene		0.208	0.227	0.289	0.326	0.321	0.297	19.7
Diethylphthalate		1.160	1.103	1.283	1.318	1.254	1.245	6.8
4-Chlorophenyl-phenylether		0.788	0.737	0.752	0.729	0.676	0.719	6.3
Fluorene		1.415	1.400	1.451	1.394	1.283	1.353	6.2
4-Nitroaniline		0.164	0.190	0.243	0.261	0.259	0.239	18.9
4,6-Dinitro-2-methylphenol			0.049	0.060	0.074	0.073	0.068	19.9
n-Nitrosodiphenylamine		0.455	0.467	0.491	0.513	0.478	0.486	4.1
Azobenzene		1.309	1.455	1.482	1.497	1.383	1.415	4.9
2,4,6-Tribromophenol		0.197	0.209	0.225	0.230	0.221	0.221	6.2
4-Bromophenyl-phenylether		0.193	0.186	0.193	0.203	0.186	0.193	2.9
Hexachlorobenzene		0.220	0.224	0.218	0.231	0.215	0.222	2.4
Atrazine		0.154	0.144	0.149	0.131	0.120	0.132	13.7
Pentachlorophenol		0.101	0.115	0.131	0.149	0.140	0.133	14.1
Phenanthrene		1.007	0.987	1.000	1.010	0.909	0.963	5.2
Anthracene		0.954	0.939	0.971	1.006	0.904	0.942	4.2
Carbazole		0.893	0.880	0.909	0.923	0.841	0.874	4.5
Di-n-butylphthalate		0.687	0.673	0.738	0.821	0.771	0.765	8.9
Fluoranthene		1.312	1.243	1.269	1.275	1.125	1.206	7.7
Benzidine		0.181	0.188	0.224	0.324	0.322	0.248	28.5
Pyrene		1.209	1.298	1.378	1.335	1.228	1.272	5.5
Terphenyl-d14		1.006	1.026	1.076	0.994	0.889	0.957	9.7
Butylbenzylphthalate		0.151	0.176	0.220	0.267	0.269	0.241	25.1
3,3-Dichlorobenzidine		0.278	0.302	0.330	0.361	0.348	0.337	10.6

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.: BG082724 SAS No.: BG082724 SDG No.: BG082724
Instrument ID: _____ Calibration Date(s): 8/27/2024 : _____
Calibration Time(s): 15:08 _____

LAB FILE ID:		RRF2.5 = BG062579.D			RRF005 = BG062580.D		RRF010 = BG062581.D	
		RRF020 = BG062582.D			RRF040 = BG062583.D		RRF050 = BG062584.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.296	1.277	1.332	1.324	1.221	1.274	3.7
Chrysene		1.290	1.268	1.292	1.291	1.196	1.246	4.3
Bis(2-ethylhexyl)phthalate		0.276	0.329	0.388	0.444	0.433	0.403	18.8
Di-n-octyl phthalate			0.567	0.692	0.799	0.779	0.760	15.0
Benzo(b)fluoranthene		1.103	1.102	1.161	1.167	1.084	1.120	3.1
Benzo(k)fluoranthene		1.110	1.082	1.134	1.187	1.094	1.111	3.4
Benzo(a)pyrene		0.981	0.954	1.001	1.042	0.958	0.985	3.1
Indeno(1,2,3-cd)pyrene		1.223	1.212	1.260	1.318	1.243	1.261	3.0
Dibenzo(a,h)anthracene		0.989	1.005	1.042	1.094	1.039	1.042	3.5
Benzo(g,h,i)perylene		1.033	1.031	1.059	1.106	1.047	1.060	2.5
1,2,4,5-Tetrachlorobenzene		0.589	0.571	0.571	0.593	0.548	0.570	2.9
1,4-Dioxane		0.663	0.532	0.557	0.587	0.465	0.531	14.9
2,3,4,6-Tetrachlorophenol		0.307	0.324	0.363	0.371	0.353	0.350	7.0
1-Methylnaphthalene		0.721	0.710	0.729	0.687	0.610	0.673	7.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG082824 SAS No.: BG082824 SDG NO.: BG082824

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BG062583.D Time Analyzed: 11:41

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	65855	7.935	305254	10.73	211577	14.56
UPPER LIMIT	131710	8.435	610508	11.225	423154	15.056
LOWER LIMIT	32927.5	7.435	152627	10.225	105788.5	14.056
EPA SAMPLE NO.						
01 PB163031BL	77438	7.93	316380	10.73	243340	14.56
02 PB163031BS	74892	7.93	342142	10.73	261734	14.56
03 MOO-SOIL-PILE	76541	7.93	297793	10.73	195946	14.56
04 MOO-SOIL-PILEMS	82966	7.93	330888	10.72	227021	14.56
05 MOO-SOIL-PILEMSD	76325	7.94	301049	10.73	208779	14.56
06 MH-21	70407	7.93	278925	10.72	189015	14.55
07 WC-11	72873	7.93	281931	10.72	190295	14.55
08 WC-13	75820	7.94	282149	10.72	186800	14.55
09 WC-16	69849	7.93	273354	10.72	179101	14.55
10 WC-4	66177	7.93	260012	10.72	181371	14.55
11 P-5-COMPOSITE	75128	7.93	308803	10.72	222792	14.55
12 P-5-COMPOSITEMS	68648	7.93	310407	10.72	236880	14.55
13 P-5-COMPOSITEMS D	83845	7.93	340005	10.73	240506	14.56
14 SOIL-MOUND	89483	7.93	362954	10.72	249004	14.55
15 ASPHALT-MOUND	110267	7.93	443590	10.72	306076	14.55

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.: BG082824 SAS No.: BG082824 SDG NO.: BG082824

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BG062590.D Time Analyzed: 11:41

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	63983	7.935	277717	10.73	202985	14.56
UPPER LIMIT	127966	8.435	555434	11.226	405970	15.057
LOWER LIMIT	31991.5	7.435	138858.5	10.226	101492.5	14.057
EPA SAMPLE NO.						
01 PB163031BL	77438	7.93	316380	10.73	243340	14.56
02 PB163031BS	74892	7.93	342142	10.73	261734	14.56
03 MOO-SOIL-PILE	76541	7.93	297793	10.73	195946	14.56
04 MOO-SOIL-PILEMS	82966	7.93	330888	10.72	227021	14.56
05 MOO-SOIL-PILEMSD	76325	7.94	301049	10.73	208779	14.56
06 MH-21	70407	7.93	278925	10.72	189015	14.55
07 WC-11	72873	7.93	281931	10.72	190295	14.55
08 WC-13	75820	7.94	282149	10.72	186800	14.55
09 WC-16	69849	7.93	273354	10.72	179101	14.55
10 WC-4	66177	7.93	260012	10.72	181371	14.55
11 P-5-COMPOSITE	75128	7.93	308803	10.72	222792	14.55
12 P-5-COMPOSITEMS	68648	7.93	310407	10.72	236880	14.55
13 P-5-COMPOSITEMS	83845	7.93	340005	10.73	240506	14.56
14 SOIL-MOUND	89483	7.93	362954	10.72	249004	14.55
15 ASPHALT-MOUND	110267	7.93	443590	10.72	306076	14.55

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.: BG082824 SAS No.: BG082824 SDG NO.: BG082824

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BG062583.D Time Analyzed: 11:41

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	501980	17.3	498080	21.548	561708	24.627
	UPPER LIMIT	1003960	17.8	996160	22.048	1123416	25.127
	LOWER LIMIT	250990	16.8	249040	21.048	280854	24.127
	EPA SAMPLE NO.						
01	PB163031BL	600950	17.30	645901	21.54	713354	24.63
02	PB163031BS	645903	17.30	674833	21.55	687755	24.63
03	MOO-SOIL-PILE	485578	17.30	478435	21.54	545680	24.62
04	MOO-SOIL-PILEMS	557169	17.30	526172	21.55	617742	24.63
05	MOO-SOIL-PILEMSD	526077	17.30	515714	21.55	595783	24.63
06	MH-21	492394	17.30	519902	21.55	600797	24.63
07	WC-11	491167	17.29	521431	21.54	600417	24.62
08	WC-13	486563	17.29	532753	21.54	609634	24.62
09	WC-16	492448	17.30	505129	21.54	581577	24.62
10	WC-4	520125	17.30	539457	21.54	618043	24.62
11	P-5-COMPOSITE	546816	17.30	523909	21.54	620801	24.62
12	P-5-COMPOSITEMS	555387	17.30	524461	21.55	621210	24.62
13	P-5-COMPOSITEMSD	553075	17.30	537938	21.55	630036	24.63
14	SOIL-MOUND	571049	17.30	563225	21.55	651631	24.62
15	ASPHALT-MOUND	694180	17.30	687385	21.54	790615	24.62

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG082824 SAS No.: BG082824 SDG NO.: BG082824

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BG062583.D Time Analyzed: 21:26

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	501980	17.3	498080	21.548	561708	24.627
UPPER LIMIT	1003960	17.8	996160	22.048	1123416	25.127
LOWER LIMIT	250990	16.8	249040	21.048	280854	24.127
EPA SAMPLE NO.						

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.: BG082824 SAS No.: BG082824 SDG NO.: BG082824

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BG062590.D Time Analyzed: 11:41

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	496209	17.301	484192	21.549	555383	24.627
	UPPER LIMIT	992418	17.801	968384	22.049	1110766	25.127
	LOWER LIMIT	248104.5	16.801	242096	21.049	277691.5	24.127
	EPA SAMPLE NO.						
01	PB163031BL	600950	17.30	645901	21.54	713354	24.63
02	PB163031BS	645903	17.30	674833	21.55	687755	24.63
03	MOO-SOIL-PILE	485578	17.30	478435	21.54	545680	24.62
04	MOO-SOIL-PILEMS	557169	17.30	526172	21.55	617742	24.63
05	MOO-SOIL-PILEMSD	526077	17.30	515714	21.55	595783	24.63
06	MH-21	492394	17.30	519902	21.55	600797	24.63
07	WC-11	491167	17.29	521431	21.54	600417	24.62
08	WC-13	486563	17.29	532753	21.54	609634	24.62
09	WC-16	492448	17.30	505129	21.54	581577	24.62
10	WC-4	520125	17.30	539457	21.54	618043	24.62
11	P-5-COMPOSITE	546816	17.30	523909	21.54	620801	24.62
12	P-5-COMPOSITEMS	555387	17.30	524461	21.55	621210	24.62
13	P-5-COMPOSITEMS D	553075	17.30	537938	21.55	630036	24.63
14	SOIL-MOUND	571049	17.30	563225	21.55	651631	24.62
15	ASPHALT-MOUND	694180	17.30	687385	21.54	790615	24.62

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG082824 SAS No.: BG082824 SDG NO.: BG082824

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BG062590.D Time Analyzed: 21:26

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	496209	17.301	484192	21.549	555383	24.627
UPPER LIMIT	992418	17.801	968384	22.049	1110766	25.127
LOWER LIMIT	248104.5	16.801	242096	21.049	277691.5	24.127
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163031BS	n-Nitrosodimethylamine	50	38	ug/L	76				55	108	
	Pyridine	50	24	ug/L	48				29	97	
	Benzaldehyde	50	14.7	ug/L	29				10	162	
	Aniline	50	28.3	ug/L	57				10	130	
	Phenol	50	52.1	ug/L	104				66	118	
	bis(2-Chloroethyl)ether	50	45	ug/L	90				62	103	
	2-Chlorophenol	50	51.7	ug/L	103				70	117	
	1,2-Dichlorobenzene	50	42.7	ug/L	85				72	102	
	1,3-Dichlorobenzene	50	42.1	ug/L	84				71	103	
	1,4-Dichlorobenzene	50	42.3	ug/L	85				76	103	
	Benzyl Alcohol	50	53.8	ug/L	108		*		36	93	
	2-Methylphenol	50	50	ug/L	100				69	109	
	2,2-oxybis(1-Chloropropane)	50	46	ug/L	92				65	100	
	Acetophenone	50	40.2	ug/L	80				60	104	
	3+4-Methylphenols	50	51.2	ug/L	102				67	106	
	N-Nitroso-di-n-propylamine	50	50.1	ug/L	100				57	107	
	Hexachloroethane	50	43.4	ug/L	87				76	118	
	Nitrobenzene	50	48.5	ug/L	97				58	106	
	Isophorone	50	45.4	ug/L	91				61	102	
	2-Nitrophenol	50	51.5	ug/L	103				70	115	
	2,4-Dimethylphenol	50	57.5	ug/L	115				42	142	
	bis(2-Chloroethoxy)methane	50	46.6	ug/L	93				58	109	
	2,4-Dichlorophenol	50	52.8	ug/L	106				66	115	
	1,2,4-Trichlorobenzene	50	44.5	ug/L	89				41	115	
	Benzoic acid	50	51.5	ug/L	103				10	125	
	Naphthalene	50	42.3	ug/L	85				64	107	
	4-Chloroaniline	50	26.4	ug/L	53				10	85	
	Hexachlorobutadiene	50	41.4	ug/L	83				69	101	
	Caprolactam	50	53.3	ug/L	107				58	128	
	4-Chloro-3-methylphenol	50	50.3	ug/L	101				65	114	
	2-Methylnaphthalene	50	45.1	ug/L	90				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	49.3	ug/L	99				61	110	
	2,4,5-Trichlorophenol	50	47.6	ug/L	95				70	106	
	1,1-Biphenyl	50	39.6	ug/L	79				72	98	
	2-Chloronaphthalene	50	42.8	ug/L	86				59	106	
	2-Nitroaniline	50	52.9	ug/L	106				73	114	
	Dimethylphthalate	50	48.1	ug/L	96				64	103	
	Acenaphthylene	50	47.2	ug/L	94				79	103	
	2,6-Dinitrotoluene	50	44.3	ug/L	89				64	110	
3-Nitroaniline	50	39.2	ug/L	78				28	100		
Acenaphthene	50	42.8	ug/L	86				59	113		
Total PAH	800	752.1	ug/L	94				59	113		
2,4-Dinitrophenol	100	110	ug/L	110				36	166		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG082824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163031BS	4-Nitrophenol	100	110	ug/L	110				45	147	
	Dibenzofuran	50	44.3	ug/L	89				65	106	
	2,4-Dinitrotoluene	50	55	ug/L	110				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	99.3	ug/L	99				60	115	
	Diethylphthalate	50	50	ug/L	100				63	105	
	4-Chlorophenyl-phenylether	50	43.8	ug/L	88				61	104	
	Fluorene	50	43.4	ug/L	87				64	107	
	4-Nitroaniline	50	53.8	ug/L	108				55	125	
	4,6-Dinitro-2-methylphenol	50	57.3	ug/L	115				62	132	
	N-Nitrosodiphenylamine	50	46.4	ug/L	93				61	109	
	Azobenzene	50	45.5	ug/L	91				59	106	
	4-Bromophenyl-phenylether	50	45	ug/L	90				73	103	
	Hexachlorobenzene	50	44.2	ug/L	88				73	106	
	Atrazine	50	53.1	ug/L	106				76	120	
	Pentachlorophenol	100	86.8	ug/L	87				47	114	
	Phenanthrene	50	44.5	ug/L	89				62	109	
	Anthracene	50	45.3	ug/L	91				65	110	
	Carbazole	50	46	ug/L	92				62	106	
	Di-n-butylphthalate	50	54.4	ug/L	109		*		64	106	
	Fluoranthene	50	44.6	ug/L	89				64	110	
	Benzidine	100	15.7	ug/L	16				10	94	
	Pyrene	50	42.5	ug/L	85				71	103	
	Butylbenzylphthalate	50	52.2	ug/L	104				61	105	
	3,3-Dichlorobenzidine	50	39.1	ug/L	78				43	108	
	Benzo(a)anthracene	50	45.6	ug/L	91				62	107	
	Chrysene	50	44.5	ug/L	89				61	108	
	bis(2-Ethylhexyl)phthalate	50	57	ug/L	114		*		59	110	
	Di-n-octyl phthalate	50	54.2	ug/L	108				52	139	
	Benzo(b)fluoranthene	50	49.7	ug/L	99				77	113	
	Benzo(k)fluoranthene	50	51.8	ug/L	104				77	105	
	Benzo(a)pyrene	50	53.1	ug/L	106				72	131	
	Indeno(1,2,3-cd)pyrene	50	52.8	ug/L	106		*		72	105	
	Dibenz(a,h)anthracene	50	52.8	ug/L	106				78	115	
	Benzo(g,h,i)perylene	50	49.2	ug/L	98				75	118	
	1,2,4,5-Tetrachlorobenzene	50	39.5	ug/L	79				72	101	
	1,4-Dioxane	50	26.8	ug/L	54				38	125	
	2,3,4,6-Tetrachlorophenol	50	51.4	ug/L	103				63	116	
	1-Methylnaphthalene	50	43.2	ug/L	86				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

P-5-COMPOSITE

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG082824

SAS No.: BG082824 SDG NO.: BG082824

Lab File ID: BG062601.D

Lab Sample ID: P3767-01

Instrument ID: BNA_G

Date Extracted: 08/28/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/28/2024

Level: (low/med) LOW

Time Analyzed: 18:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
P-5-COMPOSITE	P3767-01	BG062601.D	08/28/2024
P-5-COMPOSITEMS	P3767-01MS	BG062602.D	08/28/2024
P-5-COMPOSITEMSD	P3767-01MSD	BG062603.D	08/28/2024
SOIL-MOUND	P3760-01	BG062604.D	08/28/2024
ASPHALT-MOUND	P3760-02	BG062605.D	08/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163031BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG082824

SAS No.: BG082824 SDG NO.: BG082824

Lab File ID: BG062591.D

Lab Sample ID: PB163031BL

Instrument ID: BNA_G

Date Extracted: 08/27/2024

Matrix: (soil/water) water

Date Analyzed: 08/28/2024

Level: (low/med) LOW

Time Analyzed: 11:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163031BS	PB163031BS	BG062592.D	08/28/2024
MOO-SOIL-PILE	P3726-02	BG062593.D	08/28/2024
MOO-SOIL-PILEMS	P3726-02MS	BG062594.D	08/28/2024
MOO-SOIL-PILEMSD	P3726-02MSD	BG062595.D	08/28/2024
MH-21	P3727-04	BG062596.D	08/28/2024
WC-11	P3735-06	BG062597.D	08/28/2024
WC-13	P3735-12	BG062598.D	08/28/2024
WC-16	P3735-18	BG062599.D	08/28/2024
WC-4	P3739-04	BG062600.D	08/28/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3726-02MS		Client Sample ID: MOO-SOIL-PILEMS		DataFile: BG062594.D							
n-Nitrosodimethylamine	500		390	ug/L	78				10	130	
Pyridine	500		280	ug/L	56				10	109	
Benzaldehyde	500		120	ug/L	24				10	137	
Aniline	500		210	ug/L	42				10	130	
Phenol	500		460	ug/L	92				10	130	
bis(2-Chloroethyl)ether	500		430	ug/L	86				29	141	
2-Chlorophenol	500		500	ug/L	100				23	127	
1,2-Dichlorobenzene	500		370	ug/L	74				61	114	
1,3-Dichlorobenzene	500		390	ug/L	78				65	106	
1,4-Dichlorobenzene	500		380	ug/L	76				55	125	
Benzyl Alcohol	500		520	ug/L	104	*			31	94	
2-Methylphenol	500		460	ug/L	92				37	126	
2,2-oxybis(1-Chloropropane)	500		380	ug/L	76				36	141	
Acetophenone	500		440	ug/L	88				31	164	
3+4-Methylphenols	500		460	ug/L	92				31	127	
N-Nitroso-di-n-propylamine	500		450	ug/L	90				36	147	
Hexachloroethane	500		380	ug/L	76				49	110	
Nitrobenzene	500		450	ug/L	90				62	112	
Isophorone	500		460	ug/L	92				39	146	
2-Nitrophenol	500		530	ug/L	106				30	148	
2,4-Dimethylphenol	500		650	ug/L	130				17	143	
bis(2-Chloroethoxy)methane	500		450	ug/L	90				39	143	
2,4-Dichlorophenol	500		530	ug/L	106				22	146	
1,2,4-Trichlorobenzene	500		420	ug/L	84				66	110	
Benzoic acid	500		330	ug/L	66				10	101	
Naphthalene	500		430	ug/L	86				17	157	
4-Chloroaniline	500		48.7	ug/L	10				10	95	
Hexachlorobutadiene	500		410	ug/L	82				52	125	
Caprolactam	500		530	ug/L	106				10	130	
4-Chloro-3-methylphenol	500		510	ug/L	102				17	148	
2-Methylnaphthalene	500		440	ug/L	88				38	146	
Hexachlorocyclopentadiene	1000		1800	ug/L	180	*			20	153	
2,4,6-Trichlorophenol	500		570	ug/L	114	*			78	112	
2,4,5-Trichlorophenol	500		530	ug/L	106				71	111	
1,1-Biphenyl	500		440	ug/L	88				38	154	
2-Chloronaphthalene	500		450	ug/L	90				41	145	
2-Nitroaniline	500		560	ug/L	112				39	151	
Dimethylphthalate	500		530	ug/L	106				42	147	
Acenaphthylene	500		500	ug/L	100				40	141	
2,6-Dinitrotoluene	500		460	ug/L	92				43	148	
3-Nitroaniline	500		190	ug/L	38				10	111	
Acenaphthene	500		480	ug/L	96				37	146	
Total PAH	8000		7790	ug/L	97				37	146	
2,4-Dinitrophenol	1000		1000	ug/L	100				14	167	
4-Nitrophenol	1000		1100	ug/L	110				10	130	
Dibenzofuran	500		490	ug/L	98				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500	61.1	580	ug/L	116				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1040	ug/L	104				50	142	
Diethylphthalate	500		570	ug/L	114				41	148	
4-Chlorophenyl-phenylether	500		490	ug/L	98				38	149	
Fluorene	500		480	ug/L	96				39	144	
4-Nitroaniline	500		560	ug/L	112				27	138	
4,6-Dinitro-2-methylphenol	500		570	ug/L	114				32	175	
N-Nitrosodiphenylamine	500		500	ug/L	100				40	150	
Azobenzene	500		470	ug/L	94				72	112	
4-Bromophenyl-phenylether	500		500	ug/L	100				42	151	
Hexachlorobenzene	500		490	ug/L	98				72	115	
Atrazine	500		740	ug/L	148				20	162	
Pentachlorophenol	1000		1100	ug/L	104				25	139	
Phenanthrene	500		490	ug/L	98				40	147	
Anthracene	500		510	ug/L	102				41	146	
Carbazole	500		480	ug/L	96				37	154	
Di-n-butylphthalate	500		640	ug/L	128				40	151	
Fluoranthene	500		460	ug/L	92				42	146	
Benzidine	1000		190	ug/L	19				10	130	
Pyrene	500		480	ug/L	96				41	149	
Butylbenzylphthalate	500		630	ug/L	126				39	155	
3,3-Dichlorobenzidine	500		300	ug/L	60				10	114	
Benzo(a)anthracene	500		490	ug/L	98				41	147	
Chrysene	500		480	ug/L	96				44	144	
bis(2-Ethylhexyl)phthalate	500		710	ug/L	142				33	160	
Di-n-octyl phthalate	500		680	ug/L	136				36	158	
Benzo(b)fluoranthene	500		470	ug/L	94				40	150	
Benzo(k)fluoranthene	500		490	ug/L	98				40	147	
Benzo(a)pyrene	500		520	ug/L	104				42	147	
Indeno(1,2,3-cd)pyrene	500		520	ug/L	104				30	166	
Dibenz(a,h)anthracene	500		520	ug/L	104				23	172	
Benzo(g,h,i)perylene	500		470	ug/L	94				27	167	
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92				89	102	
1,4-Dioxane	500		350	ug/L	70				38	130	
2,3,4,6-Tetrachlorophenol	500		590	ug/L	118	*			91	111	
1-Methylnaphthalene	500		410	ug/L	82				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3726-02MSD		Client Sample ID: MOO-SOIL-PILEMSD		DataFile: BG062595.D							
n-Nitrosodimethylamine	500		400	ug/L	80		3		10	130	20
Pyridine	500		300	ug/L	60		7		10	109	20
Benzaldehyde	500		130	ug/L	26		8		10	137	20
Aniline	500		210	ug/L	42		0		10	130	20
Phenol	500		480	ug/L	96		4		10	130	20
bis(2-Chloroethyl)ether	500		440	ug/L	88		2		29	141	20
2-Chlorophenol	500		510	ug/L	102		2		23	127	20
1,2-Dichlorobenzene	500		410	ug/L	82		10		61	114	20
1,3-Dichlorobenzene	500		410	ug/L	82		5		65	106	20
1,4-Dichlorobenzene	500		410	ug/L	82		8		55	125	20
Benzyl Alcohol	500		550	ug/L	110	*	6		31	94	20
2-Methylphenol	500		500	ug/L	100		8		37	126	20
2,2-oxybis(1-Chloropropane)	500		420	ug/L	84		10		36	141	20
Acetophenone	500		480	ug/L	96		9		31	164	20
3+4-Methylphenols	500		500	ug/L	100		8		31	127	20
N-Nitroso-di-n-propylamine	500		490	ug/L	98		9		36	147	20
Hexachloroethane	500		420	ug/L	84		10		49	110	20
Nitrobenzene	500		500	ug/L	100		11		62	112	20
Isophorone	500		490	ug/L	98		6		39	146	20
2-Nitrophenol	500		580	ug/L	116		9		30	148	20
2,4-Dimethylphenol	500		700	ug/L	140		7		17	143	20
bis(2-Chloroethoxy)methane	500		500	ug/L	100		11		39	143	20
2,4-Dichlorophenol	500		580	ug/L	116		9		22	146	20
1,2,4-Trichlorobenzene	500		450	ug/L	90		7		66	110	20
Benzoic acid	500		420	ug/L	84		24	*	10	101	20
Naphthalene	500		460	ug/L	92		7		17	157	20
4-Chloroaniline	500		43.4	ug/L	9	*	11		10	95	20
Hexachlorobutadiene	500		450	ug/L	90		9		52	125	20
Caprolactam	500		600	ug/L	120		12		10	130	20
4-Chloro-3-methylphenol	500		560	ug/L	112		9		17	148	20
2-Methylnaphthalene	500		480	ug/L	96		9		38	146	20
Hexachlorocyclopentadiene	1000		1900	ug/L	190	*	5		20	153	20
2,4,6-Trichlorophenol	500		610	ug/L	122	*	7		78	112	20
2,4,5-Trichlorophenol	500		580	ug/L	116	*	9		71	111	20
1,1-Biphenyl	500		480	ug/L	96		9		38	154	20
2-Chloronaphthalene	500		490	ug/L	98		9		41	145	20
2-Nitroaniline	500		620	ug/L	124		10		39	151	20
Dimethylphthalate	500		580	ug/L	116		9		42	147	20
Acenaphthylene	500		530	ug/L	106		6		40	141	20
2,6-Dinitrotoluene	500		520	ug/L	104		12		43	148	20
3-Nitroaniline	500		220	ug/L	44		15		10	111	20
Acenaphthene	500		510	ug/L	102		6		37	146	20
Total PAH	8000		8290	ug/L	104		7		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		10		14	167	20
4-Nitrophenol	1000		1200	ug/L	120		9		10	130	20
Dibenzofuran	500		520	ug/L	104		6		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500	61.1	650	ug/L	130		11		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1170	ug/L	117		12		50	142	20
Diethylphthalate	500		610	ug/L	122		7		41	148	20
4-Chlorophenyl-phenylether	500		520	ug/L	104		6		38	149	20
Fluorene	500		510	ug/L	102		6		39	144	20
4-Nitroaniline	500		640	ug/L	128		13		27	138	20
4,6-Dinitro-2-methylphenol	500		630	ug/L	126		10		32	175	20
N-Nitrosodiphenylamine	500		520	ug/L	104		4		40	150	20
Azobenzene	500		500	ug/L	100		6		72	112	20
4-Bromophenyl-phenylether	500		530	ug/L	106		6		42	151	20
Hexachlorobenzene	500		520	ug/L	104		6		72	115	20
Atrazine	500		790	ug/L	158		7		20	162	20
Pentachlorophenol	1000		1200	ug/L	114		9		25	139	20
Phenanthrene	500		510	ug/L	102		4		40	147	20
Anthracene	500		530	ug/L	106		4		41	146	20
Carbazole	500		510	ug/L	102		6		37	154	20
Di-n-butylphthalate	500		680	ug/L	136		6		40	151	20
Fluoranthene	500		490	ug/L	98		6		42	146	20
Benzydine	1000		200	ug/L	20		5		10	130	20
Pyrene	500		510	ug/L	102		6		41	149	20
Butylbenzylphthalate	500		670	ug/L	134		6		39	155	20
3,3-Dichlorobenzidine	500		330	ug/L	66		10		10	114	20
Benzo(a)anthracene	500		510	ug/L	102		4		41	147	20
Chrysene	500		510	ug/L	102		6		44	144	20
bis(2-Ethylhexyl)phthalate	500		750	ug/L	150		5		33	160	20
Di-n-octyl phthalate	500		720	ug/L	144		6		36	158	20
Benzo(b)fluoranthene	500		500	ug/L	100		6		40	150	20
Benzo(k)fluoranthene	500		530	ug/L	106		8		40	147	20
Benzo(a)pyrene	500		560	ug/L	112		7		42	147	20
Indeno(1,2,3-cd)pyrene	500		560	ug/L	112		7		30	166	20
Dibenz(a,h)anthracene	500		560	ug/L	112		7		23	172	20
Benzo(g,h,i)perylene	500		510	ug/L	102		8		27	167	20
1,2,4,5-Tetrachlorobenzene	500		500	ug/L	100		8		89	102	20
1,4-Dioxane	500		370	ug/L	74		6		38	130	20
2,3,4,6-Tetrachlorophenol	500		650	ug/L	130	*	10		91	111	20
1-Methylnaphthalene	500		460	ug/L	92		11		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3767-01MS		Client Sample ID: P-5-COMPOSITEMS		DataFile: BG062602.D							
n-Nitrosodimethylamine	1900		1600	ug/Kg	84				66	124	
Pyridine	1900		1500	ug/Kg	79				45	119	
Benzaldehyde	1900		990	ug/Kg	52				10	86	
Aniline	1900		1100	ug/Kg	58				10	88	
Phenol	1900		2100	ug/Kg	111				67	126	
bis(2-Chloroethyl)ether	1900		1700	ug/Kg	89				54	125	
2-Chlorophenol	1900		2100	ug/Kg	111	*			79	107	
1,2-Dichlorobenzene	1900		1800	ug/Kg	95				61	105	
1,3-Dichlorobenzene	1900		1800	ug/Kg	95				62	101	
1,4-Dichlorobenzene	1900		1800	ug/Kg	95				63	104	
Benzyl Alcohol	1900		2100	ug/Kg	111				47	126	
2-Methylphenol	1900		2000	ug/Kg	105				66	122	
2,2-oxybis(1-Chloropropane)	1900		1600	ug/Kg	84				65	110	
Acetophenone	1900		1800	ug/Kg	95				75	111	
3+4-Methylphenols	1900		2100	ug/Kg	111	*			66	104	
N-Nitroso-di-n-propylamine	1900		2000	ug/Kg	105				59	119	
Hexachloroethane	1900		2000	ug/Kg	105				65	117	
Nitrobenzene	1900		1900	ug/Kg	100				70	119	
Isophorone	1900		1800	ug/Kg	95				76	122	
2-Nitrophenol	1900		2300	ug/Kg	121				54	145	
2,4-Dimethylphenol	1900		2600	ug/Kg	137	*			44	135	
bis(2-Chloroethoxy)methane	1900		1800	ug/Kg	95				68	112	
2,4-Dichlorophenol	1900		2200	ug/Kg	116				72	118	
1,2,4-Trichlorobenzene	1900		1800	ug/Kg	95				57	103	
Benzoic acid	1900		2500	ug/Kg	132	*			50	104	
Naphthalene	1900		1800	ug/Kg	95				72	110	
4-Chloroaniline	1900		680	ug/Kg	36				10	91	
Hexachlorobutadiene	1900		1900	ug/Kg	100				66	114	
Caprolactam	1900		2600	ug/Kg	137	*			51	134	
4-Chloro-3-methylphenol	1900		2200	ug/Kg	116				57	132	
2-Methylnaphthalene	1900		2000	ug/Kg	105				59	123	
Hexachlorocyclopentadiene	3900		6400	ug/Kg	164				10	175	
2,4,6-Trichlorophenol	1900		2300	ug/Kg	121	*			72	117	
2,4,5-Trichlorophenol	1900		2100	ug/Kg	111				72	117	
1,1-Biphenyl	1900		1700	ug/Kg	89				75	113	
2-Chloronaphthalene	1900		1800	ug/Kg	95				67	118	
2-Nitroaniline	1900		2200	ug/Kg	116				69	127	
Dimethylphthalate	1900		1900	ug/Kg	100				70	113	
Acenaphthylene	1900		1900	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1900		1800	ug/Kg	95				70	125	
3-Nitroaniline	1900		1500	ug/Kg	79				30	99	
Acenaphthene	1900		1900	ug/Kg	100				70	121	
Total PAH	30400	0	31100	ug/Kg	102				70	121	
2,4-Dinitrophenol	3900		4600	ug/Kg	118				10	155	
4-Nitrophenol	3900		4200	ug/Kg	108				45	133	
Dibenzofuran	1900		1900	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		4000	ug/Kg	105				55	128	
2,4-Dinitrotoluene	1900		2200	ug/Kg	116				55	128	
Diethylphthalate	1900		2000	ug/Kg	105				70	112	
4-Chlorophenyl-phenylether	1900		1900	ug/Kg	100				71	108	
Fluorene	1900		1800	ug/Kg	95				68	116	
4-Nitroaniline	1900		2100	ug/Kg	111				55	120	
4,6-Dinitro-2-methylphenol	1900		2400	ug/Kg	126				10	160	
N-Nitrosodiphenylamine	1900		2000	ug/Kg	105				73	118	
Azobenzene	1900		1800	ug/Kg	95				73	110	
4-Bromophenyl-phenylether	1900		2000	ug/Kg	105				65	121	
Hexachlorobenzene	1900		2000	ug/Kg	105				67	118	
Atrazine	1900		2900	ug/Kg	153	*			79	127	
Pentachlorophenol	3900		4400	ug/Kg	113				47	128	
Phenanthrene	1900	120	1900	ug/Kg	94				52	128	
Anthracene	1900		2000	ug/Kg	105				62	124	
Carbazole	1900		1800	ug/Kg	95				59	119	
Di-n-butylphthalate	1900		2400	ug/Kg	126	*			69	118	
Fluoranthene	1900	220	1900	ug/Kg	88				44	125	
Benzydine	3900		850	ug/Kg	22				10	119	
Pyrene	1900	160	2000	ug/Kg	94				26	142	
Butylbenzylphthalate	1900	190	2500	ug/Kg	122				64	126	
3,3-Dichlorobenzidine	1900		1100	ug/Kg	58				33	116	
Benzo(a)anthracene	1900	130	2000	ug/Kg	99				71	114	
Chrysene	1900	130	1900	ug/Kg	93				57	121	
bis(2-Ethylhexyl)phthalate	1900	220	2800	ug/Kg	136				42	169	
Di-n-octyl phthalate	1900		2600	ug/Kg	137				23	175	
Benzo(b)fluoranthene	1900	180	2000	ug/Kg	96				67	121	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				57	134	
Benzo(a)pyrene	1900	140	2100	ug/Kg	103				70	142	
Indeno(1,2,3-cd)pyrene	1900		2100	ug/Kg	111				40	129	
Dibenz(a,h)anthracene	1900		2000	ug/Kg	105				43	123	
Benzo(g,h,i)perylene	1900	99.8	1900	ug/Kg	95				24	125	
1,2,4,5-Tetrachlorobenzene	1900		1900	ug/Kg	100				69	124	
1,4-Dioxane	1900		1500	ug/Kg	79				46	112	
2,3,4,6-Tetrachlorophenol	1900		2300	ug/Kg	121	*			69	112	
1-Methylnaphthalene	1900		1900	ug/Kg	100				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3767-01MSD		Client Sample ID: P-5-COMPOSITEMSD		DataFile: BG062603.D							
n-Nitrosodimethylamine	1900		1400	ug/Kg	74		13		66	124	20
Pyridine	1900		1400	ug/Kg	74		7		45	119	20
Benzaldehyde	1900		910	ug/Kg	48		8		10	86	20
Aniline	1900		1100	ug/Kg	58		0		10	88	20
Phenol	1900		1900	ug/Kg	100		10		67	126	20
bis(2-Chloroethyl)ether	1900		1600	ug/Kg	84		6		54	125	20
2-Chlorophenol	1900		1900	ug/Kg	100		10		79	107	20
1,2-Dichlorobenzene	1900		1700	ug/Kg	89		7		61	105	20
1,3-Dichlorobenzene	1900		1800	ug/Kg	95		0		62	101	20
1,4-Dichlorobenzene	1900		1700	ug/Kg	89		7		63	104	20
Benzyl Alcohol	1900		2100	ug/Kg	111		0		47	126	20
2-Methylphenol	1900		2000	ug/Kg	105		0		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1600	ug/Kg	84		0		65	110	20
Acetophenone	1900		1800	ug/Kg	95		0		75	111	20
3+4-Methylphenols	1900		1900	ug/Kg	100		10		66	104	20
N-Nitroso-di-n-propylamine	1900		1900	ug/Kg	100		5		59	119	20
Hexachloroethane	1900		1800	ug/Kg	95		10		65	117	20
Nitrobenzene	1900		2000	ug/Kg	105		5		70	119	20
Isophorone	1900		1700	ug/Kg	89		7		76	122	20
2-Nitrophenol	1900		2400	ug/Kg	126		4		54	145	20
2,4-Dimethylphenol	1900		2500	ug/Kg	132		4		44	135	20
bis(2-Chloroethoxy)methane	1900		1800	ug/Kg	95		0		68	112	20
2,4-Dichlorophenol	1900		2200	ug/Kg	116		0		72	118	20
1,2,4-Trichlorobenzene	1900		1900	ug/Kg	100		5		57	103	20
Benzoic acid	1900		2300	ug/Kg	121	*	9		50	104	20
Naphthalene	1900		1800	ug/Kg	95		0		72	110	20
4-Chloroaniline	1900		720	ug/Kg	38		5		10	91	20
Hexachlorobutadiene	1900		2000	ug/Kg	105		5		66	114	20
Caprolactam	1900		2400	ug/Kg	126		8		51	134	20
4-Chloro-3-methylphenol	1900		2100	ug/Kg	111		4		57	132	20
2-Methylnaphthalene	1900		2000	ug/Kg	105		0		59	123	20
Hexachlorocyclopentadiene	3900		6200	ug/Kg	159		3		10	175	20
2,4,6-Trichlorophenol	1900		2300	ug/Kg	121	*	0		72	117	20
2,4,5-Trichlorophenol	1900		2200	ug/Kg	116		4		72	117	20
1,1-Biphenyl	1900		1800	ug/Kg	95		7		75	113	20
2-Chloronaphthalene	1900		1900	ug/Kg	100		5		67	118	20
2-Nitroaniline	1900		2300	ug/Kg	121		4		69	127	20
Dimethylphthalate	1900		2000	ug/Kg	105		5		70	113	20
Acenaphthylene	1900		2000	ug/Kg	105		5		79	118	20
2,6-Dinitrotoluene	1900		1900	ug/Kg	100		5		70	125	20
3-Nitroaniline	1900		1500	ug/Kg	79		0		30	99	20
Acenaphthene	1900		1800	ug/Kg	95		5		70	121	20
Total PAH	30400	0	31200	ug/Kg	103		1		70	121	20
2,4-Dinitrophenol	3900		4400	ug/Kg	113		4		10	155	20
4-Nitrophenol	3900		4200	ug/Kg	108		0		45	133	20
Dibenzofuran	1900		1900	ug/Kg	100		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		4200	ug/Kg	111		6		55	128	20
2,4-Dinitrotoluene	1900		2300	ug/Kg	121		4		55	128	20
Diethylphthalate	1900		2000	ug/Kg	105		0		70	112	20
4-Chlorophenyl-phenylether	1900		1800	ug/Kg	95		5		71	108	20
Fluorene	1900		1700	ug/Kg	89		7		68	116	20
4-Nitroaniline	1900		2000	ug/Kg	105		6		55	120	20
4,6-Dinitro-2-methylphenol	1900		2400	ug/Kg	126		0		10	160	20
N-Nitrosodiphenylamine	1900		2000	ug/Kg	105		0		73	118	20
Azobenzene	1900		1700	ug/Kg	89		7		73	110	20
4-Bromophenyl-phenylether	1900		2100	ug/Kg	111		6		65	121	20
Hexachlorobenzene	1900		2100	ug/Kg	111		6		67	118	20
Atrazine	1900		2900	ug/Kg	153	*	0		79	127	20
Pentachlorophenol	3900		4500	ug/Kg	115		2		47	128	20
Phenanthrene	1900	120	2000	ug/Kg	99		5		52	128	20
Anthracene	1900		2000	ug/Kg	105		0		62	124	20
Carbazole	1900		1800	ug/Kg	95		0		59	119	20
Di-n-butylphthalate	1900		2400	ug/Kg	126	*	0		69	118	20
Fluoranthene	1900	220	2000	ug/Kg	94		7		44	125	20
Benzidine	3900		1000	ug/Kg	26		17		10	119	20
Pyrene	1900	160	2000	ug/Kg	94		0		26	142	20
Butylbenzylphthalate	1900	190	2500	ug/Kg	122		0		64	126	20
3,3-Dichlorobenzidine	1900		1200	ug/Kg	63		8		33	116	20
Benzo(a)anthracene	1900	130	2000	ug/Kg	98		1		71	114	20
Chrysene	1900	130	1900	ug/Kg	93		0		57	121	20
bis(2-Ethylhexyl)phthalate	1900	220	2900	ug/Kg	141		4		42	169	20
Di-n-octyl phthalate	1900		2700	ug/Kg	142		4		23	175	20
Benzo(b)fluoranthene	1900	180	2000	ug/Kg	96		0		67	121	20
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100		0		57	134	20
Benzo(a)pyrene	1900	140	2100	ug/Kg	104		1		70	142	20
Indeno(1,2,3-cd)pyrene	1900		2100	ug/Kg	111		0		40	129	20
Dibenz(a,h)anthracene	1900		2000	ug/Kg	105		0		43	123	20
Benzo(g,h,i)perylene	1900	99.8	1900	ug/Kg	95		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1900		2000	ug/Kg	105		5		69	124	20
1,4-Dioxane	1900		1300	ug/Kg	68		15		46	112	20
2,3,4,6-Tetrachlorophenol	1900		2300	ug/Kg	121	*	0		69	112	20
1-Methylnaphthalene	1900		1800	ug/Kg	95		5		70	130	20

Surrogate Summary

SW-846

SDG No.: **BG082824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3760-01	SOIL-MOUND	BG062604.D	2-Fluorophenol	150	102.24	68		18	112
			Phenol-d6	150	96.67	64		15	107
			Nitrobenzene-d5	100	74.01	74		18	107
			2-Fluorobiphenyl	100	65.47	65		20	109
			2,4,6-Tribromophenol	150	119.19	79		10	116
			Terphenyl-d14	100	66.85	67		10	105
P3760-02	ASPHALT-MOUNI	BG062605.D	2-Fluorophenol	150	56.58	38		18	112
			Phenol-d6	150	52.87	35		15	107
			Nitrobenzene-d5	100	36.82	37		18	107
			2-Fluorobiphenyl	100	40.75	41		20	109
			2,4,6-Tribromophenol	150	64.63	43		10	116
			Terphenyl-d14	100	44.00	44		10	105
P3767-01	P-5-COMPOSITE	BG062601.D	2-Fluorophenol	150	93.41	62		18	112
			Phenol-d6	150	88.95	59		15	107
			Nitrobenzene-d5	100	57.77	58		18	107
			2-Fluorobiphenyl	100	56.09	56		20	109
			2,4,6-Tribromophenol	150	107.83	72		10	116
			Terphenyl-d14	100	61.12	61		10	105
P3767-01MS	P-5-COMPOSITE	MBG062602.D	2-Fluorophenol	150	94.91	63		18	112
			Phenol-d6	150	89.93	60		15	107
			Nitrobenzene-d5	100	56.49	56		18	107
			2-Fluorobiphenyl	100	53.05	53		20	109
			2,4,6-Tribromophenol	150	102.77	69		10	116
			Terphenyl-d14	100	59.06	59		10	105
P3767-01MSD	P-5-COMPOSITE	MBG062603.D	2-Fluorophenol	150	83.85	56		18	112
			Phenol-d6	150	81.55	54		15	107
			Nitrobenzene-d5	100	61.55	62		18	107
			2-Fluorobiphenyl	100	56.55	57		20	109
			2,4,6-Tribromophenol	150	103.01	69		10	116
			Terphenyl-d14	100	59.97	60		10	105

Surrogate Summary

SW-846

SDG No.: **BG082824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3726-02	MOO-SOIL-PILE	BG062593.D	2-Fluorophenol	150	150.37	100		10	139
			Phenol-d6	150	116.66	78		10	134
			Nitrobenzene-d5	100	103.73	104		49	133
			2-Fluorobiphenyl	100	91.73	92		52	132
			2,4,6-Tribromophenol	150	170.20	113		44	137
			Terphenyl-d14	100	99.87	100		48	125
P3726-02MS	MOO-SOIL-PILEMBG062594.D		2-Fluorophenol	150	153.10	102		10	139
			Phenol-d6	150	134.47	90		10	134
			Nitrobenzene-d5	100	97.71	98		49	133
			2-Fluorobiphenyl	100	90.56	91		52	132
			2,4,6-Tribromophenol	150	173.69	116		44	137
			Terphenyl-d14	100	99.05	99		48	125
P3726-02MSD	MOO-SOIL-PILEMBG062595.D		2-Fluorophenol	150	159.86	107		10	139
			Phenol-d6	150	140.59	94		10	134
			Nitrobenzene-d5	100	109.41	109		49	133
			2-Fluorobiphenyl	100	98.59	99		52	132
			2,4,6-Tribromophenol	150	191.07	127		44	137
			Terphenyl-d14	100	103.55	104		48	125
P3727-04	MH-21	BG062596.D	2-Fluorophenol	150	161.67	108		10	139
			Phenol-d6	150	128.17	85		10	134
			Nitrobenzene-d5	100	112.97	113		49	133
			2-Fluorobiphenyl	100	101.26	101		52	132
			2,4,6-Tribromophenol	150	202.85	135		44	137
			Terphenyl-d14	100	105.73	106		48	125
P3735-06	WC-11	BG062597.D	2-Fluorophenol	150	171.78	115		10	139
			Phenol-d6	150	151.71	101		10	134
			Nitrobenzene-d5	100	105.18	105		49	133
			2-Fluorobiphenyl	100	97.81	98		52	132
			2,4,6-Tribromophenol	150	193.94	129		44	137
			Terphenyl-d14	100	98.80	99		48	125
P3735-12	WC-13	BG062598.D	2-Fluorophenol	150	145.20	97		10	139
			Phenol-d6	150	119.96	80		10	134
			Nitrobenzene-d5	100	107.53	108		49	133
			2-Fluorobiphenyl	100	98.84	99		52	132
			2,4,6-Tribromophenol	150	182.10	121		44	137
			Terphenyl-d14	100	87.28	87		48	125
P3735-18	WC-16	BG062599.D	2-Fluorophenol	150	155.80	104		10	139
			Phenol-d6	150	128.56	86		10	134
			Nitrobenzene-d5	100	105.08	105		49	133
			2-Fluorobiphenyl	100	100.64	101		52	132
			2,4,6-Tribromophenol	150	204.03	136		44	137
			Terphenyl-d14	100	106.30	106		48	125
P3739-04	WC-4	BG062600.D	2-Fluorophenol	150	149.44	100		10	139
			Phenol-d6	150	128.15	85		10	134
			Nitrobenzene-d5	100	99.56	100		49	133
			2-Fluorobiphenyl	100	94.21	94		52	132
			2,4,6-Tribromophenol	150	200.57	134		44	137
			Terphenyl-d14	100	98.26	98		48	125
PB163031BL	PB163031BL	BG062591.D	2-Fluorophenol	150	141.37	94		10	139

Surrogate Summary

SW-846

SDG No.: **BG082824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB163031BL	PB163031BL	BG062591.D	Phenol-d6	150	128.84	86		10	134
			Nitrobenzene-d5	100	93.37	93		49	133
			2-Fluorobiphenyl	100	82.89	83		52	132
			2,4,6-Tribromophenol	150	134.43	90		44	137
			Terphenyl-d14	100	83.89	84		48	125
PB163031BS	PB163031BS	BG062592.D	2-Fluorophenol	150	150.53	100		10	139
			Phenol-d6	150	139.50	93		10	134
			Nitrobenzene-d5	100	93.76	94		49	133
			2-Fluorobiphenyl	100	79.80	80		52	132
			2,4,6-Tribromophenol	150	143.69	96		44	137
			Terphenyl-d14	100	80.90	81		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG082824

Lab Code: CHEM

SAS No.: BG082824 SDG NO.: BG082824

Lab File ID: BG062589.D

DFTPP Injection Date: 08/28/2024

Instrument ID: BNA_G

DFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.3
68	Less than 2.0% of mass 69	0.4 (1.2) 1
69	Mass 69 relative abundance	30
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	36.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG062590.D	08/28/2024	10:57
PB163031BL	PB163031BL	BG062591.D	08/28/2024	11:41
PB163031BS	PB163031BS	BG062592.D	08/28/2024	12:22
MOO-SOIL-PILE	P3726-02	BG062593.D	08/28/2024	13:11
MOO-SOIL-PILEMS	P3726-02MS	BG062594.D	08/28/2024	13:53
MOO-SOIL-PILEMSD	P3726-02MSD	BG062595.D	08/28/2024	14:33
MH-21	P3727-04	BG062596.D	08/28/2024	15:14
WC-11	P3735-06	BG062597.D	08/28/2024	15:55
WC-13	P3735-12	BG062598.D	08/28/2024	16:37
WC-16	P3735-18	BG062599.D	08/28/2024	17:18
WC-4	P3739-04	BG062600.D	08/28/2024	18:00
P-5-COMPOSITE	P3767-01	BG062601.D	08/28/2024	18:41
P-5-COMPOSITEMS	P3767-01MS	BG062602.D	08/28/2024	19:23
P-5-COMPOSITEMS D	P3767-01MSD	BG062603.D	08/28/2024	20:04
SOIL-MOUND	P3760-01	BG062604.D	08/28/2024	20:45
ASPHALT-MOUND	P3760-02	BG062605.D	08/28/2024	21:26