



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080823 SAS No.: BG080823 SDG No.: BG080823

Instrument ID: BNA_G Calibration Date/Time: 8/8/2023 12:08:50

Lab File ID: BG058634.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	0.732	0.714		-2.459	
Pyridine	1.729	1.662		-3.875	
2-Fluorophenol	1.309	1.234		-5.73	
Benzaldehyde	0.989	0.903		-8.696	
Aniline	2.242	2.296		2.409	
Phenol-d6	1.821	1.842		1.153	
Phenol	1.779	1.800		1.18	20.0
bis(2-Chloroethyl)ether	1.402	1.375		-1.926	
2-Chlorophenol	1.284	1.279		-0.389	
1,2-Dichlorobenzene	1.316	1.267		-3.723	
1,3-Dichlorobenzene	1.371	1.316		-4.012	
1,4-Dichlorobenzene	1.376	1.310		-4.797	20.0
Benzyl Alcohol	1.155	1.286		11.342	
2-Methylphenol	1.300	1.293		-0.538	
2,2-oxybis(1-Chloropropane)	2.278	2.277		-0.044	
Acetophenone	0.536	0.526		-1.866	
3+4-Methylphenols	1.759	1.820		3.468	
n-Nitroso-di-n-propylamine	1.176	1.199	0.050	1.956	
Nitrobenzene-d5	0.407	0.396		-2.703	
Hexachloroethane	0.500	0.482		-3.6	
Nitrobenzene	0.414	0.397		-4.106	
Isophorone	0.841	0.824		-2.021	
2-Nitrophenol	0.180	0.177		-1.667	20.0
2,4-Dimethylphenol	0.299	0.292		-2.341	
bis(2-Chloroethoxy)methane	0.458	0.458		0.0	
2,4-Dichlorophenol	0.310	0.302		-2.581	20.0
1,2,4-Trichlorobenzene	0.358	0.339		-5.307	
Benzoic acid	0.207	0.208		0.483	
Naphthalene	1.054	1.013		-3.89	
4-Chloroaniline	0.445	0.466		4.719	
Hexachlorobutadiene	0.230	0.213		-7.391	20.0
Caprolactam	0.115	0.120		4.348	
4-Chloro-3-methylphenol	0.384	0.383		-0.26	20.0
2-Methylnaphthalene	0.754	0.742		-1.592	
Hexachlorocyclopentadiene	0.236	0.210	0.050	-11.017	
2,4,6-Trichlorophenol	0.422	0.392		-7.109	20.0
2-Fluorobiphenyl	1.335	1.224		-8.315	
2,4,5-Trichlorophenol	0.497	0.467		-6.036	
1,1-Biphenyl	1.374	1.269		-7.642	
2-Chloronaphthalene	1.071	0.984		-8.123	
2-Nitroaniline	0.409	0.402		-1.711	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.502	1.453		-3.262	
Acenaphthylene	1.793	1.687		-5.912	
2,6-Dinitrotoluene	0.330	0.323		-2.121	
3-Nitroaniline	0.330	0.333		0.909	
Acenaphthene	1.036	0.972		-6.178	20.0
2,4-Dinitrophenol	0.150	0.168	0.050	12.0	
4-Nitrophenol	0.222	0.231	0.050	4.054	
Dibenzofuran	1.780	1.668		-6.292	
2,4-Dinitrotoluene	0.457	0.459		0.438	
Diethylphthalate	1.530	1.507		-1.503	
4-Chlorophenyl-phenylether	0.788	0.748		-5.076	
Fluorene	1.414	1.332		-5.799	
4-Nitroaniline	0.312	0.336		7.692	
4,6-Dinitro-2-methylphenol	0.110	0.115		4.545	
n-Nitrosodiphenylamine	0.521	0.496		-4.798	20.0
Azobenzene	1.507	1.444		-4.18	
2,4,6-Tribromophenol	0.328	0.310		-5.488	
4-Bromophenyl-phenylether	0.227	0.214		-5.727	
Hexachlorobenzene	0.240	0.225		-6.25	
Atrazine	0.176	0.173		-1.705	
Pentachlorophenol	0.145	0.143		-1.379	20.0
Phenanthrene	0.948	0.899		-5.169	
Anthracene	0.973	0.920		-5.447	
Carbazole	0.858	0.854		-0.466	
Di-n-butylphthalate	1.075	1.084		0.837	
Fluoranthene	1.139	1.120		-1.668	20.0
Benzidine	0.303	0.428		41.254	
Pyrene	1.361	1.301		-4.409	
Terphenyl-d14	1.064	1.023		-3.853	
Butylbenzylphthalate	0.559	0.540		-3.399	
3,3-Dichlorobenzidine	0.465	0.468		0.645	
Benzo (a) anthracene	1.376	1.330		-3.343	
Chrysene	1.320	1.263		-4.318	
Bis (2-ethylhexyl) phthalate	0.817	0.792		-3.06	
Di-n-octyl phthalate	1.436	1.412		-1.671	20.0
Benzo (b) fluoranthene	1.085	1.063		-2.028	
Benzo (k) fluoranthene	1.090	1.046		-4.037	
Benzo (a) pyrene	1.065	1.042		-2.16	20.0
Indeno (1,2,3-cd) pyrene	1.331	1.288		-3.231	
Dibenzo (a,h) anthracene	1.100	1.070		-2.727	
Benzo (g,h,i) perylene	1.103	1.071		-2.901	



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Instrument ID: BNA_G Calibration Date/Time: 8/8/2023 12:08:50

Lab File ID: BG058634.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
1,2,4,5-Tetrachlorobenzene	0.614	0.555		-9.609	
1,4-Dioxane	0.634	0.566		-10.726	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.402		-5.189	
1-Methylnaphthalene	0.717	0.698		-2.65	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080823
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058635.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080823
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058635.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.9	U	189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080823
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058635.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	149.351		18-112		100	SPK: -150
13127-88-3	Phenol-d6	144.693		15-107		96	SPK: -150
4165-60-0	Nitrobenzene-d5	91.091		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	92.501		20-109		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	133.929		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	97.06		14-112		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38817	7.812				
1146-65-2	Naphthalene-d8	160774	10.615				
15067-26-2	Acenaphthene-d10	112785	14.463				
1517-22-2	Phenanthrene-d10	300164	17.207				
1719-03-5	Chrysene-d12	300376	21.449				
1520-96-3	Perylene-d12	363822	24.522				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080823
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	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
BG058635.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

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

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154526BS	SDG No.:	BG080823
Lab Sample ID:	PB154526BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058636.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		77.3	270	330	ug/Kg
110-86-1	Pyridine	1100		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	990		150	270	330	ug/Kg
62-53-3	Aniline	1400		120	130	170	ug/Kg
108-95-2	Phenol	1900		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1900		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	2000		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1800		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		100	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1800		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		75.2	130	170	ug/Kg
78-59-1	Isophorone	1500		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	1100		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		84	130	170	ug/Kg
105-60-2	Caprolactam	1800		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154526BS	SDG No.:	BG080823
Lab Sample ID:	PB154526BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058636.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3100	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.3	130	170	ug/Kg
Total PAH	Total PAH	25200		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		90.4	130	170	ug/Kg
86-73-7	Fluorene	1600		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1800		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1600		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1900		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1600		92.7	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1600		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		100	130	170	ug/Kg
206-44-0	Fluoranthene	1600		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154526BS	SDG No.:	BG080823
Lab Sample ID:	PB154526BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058636.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2900	E	190	270	330	ug/Kg
129-00-0	Pyrene	1600		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		83.9	130	170	ug/Kg
218-01-9	Chrysene	1500		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	150.179		18-112		100	SPK: -150
13127-88-3	Phenol-d6	150.491		15-107		100	SPK: -150
4165-60-0	Nitrobenzene-d5	88.669		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	86.817		20-109		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	133.744		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	94.168		14-112		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45507	7.811				
1146-65-2	Naphthalene-d8	204621	10.614				
15067-26-2	Acenaphthene-d10	149776	14.462				
1517-22-2	Phenanthrene-d10	368042	17.206				
1719-03-5	Chrysene-d12	322897	21.454				
1520-96-3	Perylene-d12	409959	24.527				



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Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154526BS	SDG No.:	BG080823
Lab Sample ID:	PB154526BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BG058636.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154526

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

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BG080823
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058637.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		77.3	270	330	ug/Kg
110-86-1	Pyridine	1100		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	1000		150	270	330	ug/Kg
62-53-3	Aniline	1300		120	130	170	ug/Kg
108-95-2	Phenol	1900		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	2000		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1700		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		110	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1800		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1700		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		75.2	130	170	ug/Kg
78-59-1	Isophorone	1500		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	1000		110	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		84	130	170	ug/Kg
105-60-2	Caprolactam	1800		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BG080823
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058637.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3200	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.3	130	170	ug/Kg
Total PAH	Total PAH	25600		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		90.4	130	170	ug/Kg
86-73-7	Fluorene	1600		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1600		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1900		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1600		92.7	130	170	ug/Kg
120-12-7	Anthracene	1600		100	130	170	ug/Kg
86-74-8	Carbazole	1700		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		100	130	170	ug/Kg
206-44-0	Fluoranthene	1600		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BG080823
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058637.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2900	E	190	270	330	ug/Kg
129-00-0	Pyrene	1600		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		83.9	130	170	ug/Kg
218-01-9	Chrysene	1500		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	148.907		18-112		99	SPK: -150
13127-88-3	Phenol-d6	148.975		15-107		99	SPK: -150
4165-60-0	Nitrobenzene-d5	89.379		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	87.028		20-109		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	136.599		10-110		91	SPK: -150
1718-51-0	Terphenyl-d14	95.036		14-112		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45222	7.811				
1146-65-2	Naphthalene-d8	202394	10.613				
15067-26-2	Acenaphthene-d10	147602	14.462				
1517-22-2	Phenanthrene-d10	363317	17.206				
1719-03-5	Chrysene-d12	320713	21.454				
1520-96-3	Perylene-d12	405190	24.521				



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Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BG080823
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	Level : LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058637.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

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

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BL	SDG No.:	BG080823
Lab Sample ID:	PB154550BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058638.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	22700	U	22700	79400	97100	ug/Kg
110-86-1	Pyridine	21300	U	21300	38200	50000	ug/Kg
100-52-7	Benzaldehyde	43500	U	43500	79400	97100	ug/Kg
62-53-3	Aniline	34400	U	34400	38200	50000	ug/Kg
108-95-2	Phenol	21900	U	21900	38200	50000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26400	U	26400	38200	50000	ug/Kg
95-57-8	2-Chlorophenol	21200	U	21200	38200	50000	ug/Kg
95-50-1	1,2-Dichlorobenzene	24000	U	24000	38200	50000	ug/Kg
541-73-1	1,3-Dichlorobenzene	26000	U	26000	38200	50000	ug/Kg
106-46-7	1,4-Dichlorobenzene	24200	U	24200	38200	50000	ug/Kg
100-51-6	Benzyl Alcohol	29100	U	29100	79400	97100	ug/Kg
95-48-7	2-Methylphenol	33500	U	33500	38200	50000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30900	U	30900	38200	50000	ug/Kg
98-86-2	Acetophenone	25500	U	25500	38200	50000	ug/Kg
65794-96-9	3+4-Methylphenols	31800	U	31800	79400	97100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	17400	U	17400	23500	23500	ug/Kg
67-72-1	Hexachloroethane	21600	U	21600	38200	50000	ug/Kg
98-95-3	Nitrobenzene	22100	U	22100	38200	50000	ug/Kg
78-59-1	Isophorone	20000	U	20000	38200	50000	ug/Kg
88-75-5	2-Nitrophenol	28000	U	28000	38200	50000	ug/Kg
105-67-9	2,4-Dimethylphenol	29300	U	29300	38200	50000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32900	U	32900	38200	50000	ug/Kg
120-83-2	2,4-Dichlorophenol	23000	U	23000	38200	50000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	22800	U	22800	38200	50000	ug/Kg
65-85-0	Benzoic acid	62900	U	62900	79400	97100	ug/Kg
91-20-3	Naphthalene	23900	U	23900	38200	50000	ug/Kg
106-47-8	4-Chloroaniline	30900	U	30900	38200	50000	ug/Kg
87-68-3	Hexachlorobutadiene	24700	U	24700	38200	50000	ug/Kg
105-60-2	Caprolactam	34400	U	34400	79400	97100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	24300	U	24300	38200	50000	ug/Kg
91-57-6	2-Methylnaphthalene	27900	U	27900	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BL	SDG No.:	BG080823
Lab Sample ID:	PB154550BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058638.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	61800	U	61800	79400	97100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22700	U	22700	38200	50000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	25900	U	25900	38200	50000	ug/Kg
92-52-4	1,1-Biphenyl	26900	U	26900	38200	50000	ug/Kg
91-58-7	2-Chloronaphthalene	24900	U	24900	38200	50000	ug/Kg
88-74-4	2-Nitroaniline	29200	U	29200	38200	50000	ug/Kg
131-11-3	Dimethylphthalate	26100	U	26100	38200	50000	ug/Kg
208-96-8	Acenaphthylene	26000	U	26000	38200	50000	ug/Kg
606-20-2	2,6-Dinitrotoluene	26500	U	26500	38200	50000	ug/Kg
99-09-2	3-Nitroaniline	27500	U	27500	38200	50000	ug/Kg
83-32-9	Acenaphthene	23600	U	23600	38200	50000	ug/Kg
Total PAH	Total PAH	422600	U	422600	38200	800000	ug/Kg
51-28-5	2,4-Dinitrophenol	52900	U	52900	79400	97100	ug/Kg
100-02-7	4-Nitrophenol	33500	U	33500	79400	97100	ug/Kg
132-64-9	Dibenzofuran	22600	U	22600	38200	50000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	55900	U	55900	38200	100000	ug/Kg
121-14-2	2,4-Dinitrotoluene	29400	U	29400	38200	50000	ug/Kg
84-66-2	Diethylphthalate	25300	U	25300	38200	50000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26600	U	26600	38200	50000	ug/Kg
86-73-7	Fluorene	24900	U	24900	38200	50000	ug/Kg
100-01-6	4-Nitroaniline	30600	U	30600	38200	50000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	25800	U	25800	79400	97100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	27400	U	27400	38200	50000	ug/Kg
103-33-3	Azobenzene	21600	U	21600	38200	50000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	28600	U	28600	38200	50000	ug/Kg
118-74-1	Hexachlorobenzene	29100	U	29100	38200	50000	ug/Kg
1912-24-9	Atrazine	28100	U	28100	38200	50000	ug/Kg
87-86-5	Pentachlorophenol	32600	U	32600	79400	97100	ug/Kg
85-01-8	Phenanthrene	27300	U	27300	38200	50000	ug/Kg
120-12-7	Anthracene	30000	U	30000	38200	50000	ug/Kg
86-74-8	Carbazole	25000	U	25000	38200	50000	ug/Kg
84-74-2	Di-n-butylphthalate	30600	U	30600	38200	50000	ug/Kg
206-44-0	Fluoranthene	27800	U	27800	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BL	SDG No.:	BG080823
Lab Sample ID:	PB154550BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058638.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	56800	U	56800	79400	97100	ug/Kg
129-00-0	Pyrene	24600	U	24600	38200	50000	ug/Kg
85-68-7	Butylbenzylphthalate	30300	U	30300	38200	50000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47400	U	47400	79400	97100	ug/Kg
56-55-3	Benzo(a)anthracene	24700	U	24700	38200	50000	ug/Kg
218-01-9	Chrysene	25500	U	25500	38200	50000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	33800	U	33800	38200	50000	ug/Kg
117-84-0	Di-n-octyl phthalate	36200	U	36200	79400	97100	ug/Kg
205-99-2	Benzo(b)fluoranthene	23600	U	23600	38200	50000	ug/Kg
207-08-9	Benzo(k)fluoranthene	25900	U	25900	38200	50000	ug/Kg
50-32-8	Benzo(a)pyrene	27700	U	27700	38200	50000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31500	U	31500	38200	50000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28400	U	28400	38200	50000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27200	U	27200	38200	50000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	26300	U	26300	38200	50000	ug/Kg
123-91-1	1,4-Dioxane	34400	U	34400	38200	50000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	24400	U	24400	38200	50000	ug/Kg
90-12-0	1-Methylnaphthalene	26500	U	26500	50000	50000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134.76		18-112		90	SPK: -150
13127-88-3	Phenol-d6	125.6		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	76.13		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	89.15		20-109		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	107		10-110		71	SPK: -150
1718-51-0	Terphenyl-d14	97.33		14-112		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36983	7.813				
1146-65-2	Naphthalene-d8	154690	10.615				
15067-26-2	Acenaphthene-d10	116388	14.458				
1517-22-2	Phenanthrene-d10	311747	17.207				
1719-03-5	Chrysene-d12	301417	21.45				
1520-96-3	Perylene-d12	365254	24.522				



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Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BL	SDG No.:	BG080823
Lab Sample ID:	PB154550BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02	Units:	g
Soil Aliquot Vol:		Final Vol:	10000 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
BG058638.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

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

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058639.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54400	J	22700	79400	97100	ug/Kg
110-86-1	Pyridine	38400	J	21300	38200	50000	ug/Kg
100-52-7	Benzaldehyde	44100	J	43500	79400	97100	ug/Kg
62-53-3	Aniline	38900	J	34400	38200	50000	ug/Kg
108-95-2	Phenol	57400		21900	38200	50000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52700		26400	38200	50000	ug/Kg
95-57-8	2-Chlorophenol	53900		21200	38200	50000	ug/Kg
95-50-1	1,2-Dichlorobenzene	57800		24000	38200	50000	ug/Kg
541-73-1	1,3-Dichlorobenzene	58100		26000	38200	50000	ug/Kg
106-46-7	1,4-Dichlorobenzene	58700		24200	38200	50000	ug/Kg
100-51-6	Benzyl Alcohol	46100	J	29100	79400	97100	ug/Kg
95-48-7	2-Methylphenol	51900		33500	38200	50000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56700		30900	38200	50000	ug/Kg
98-86-2	Acetophenone	51400		25500	38200	50000	ug/Kg
65794-96-9	3+4-Methylphenols	51800	J	31800	79400	97100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51300		17400	23500	23500	ug/Kg
67-72-1	Hexachloroethane	57700		21600	38200	50000	ug/Kg
98-95-3	Nitrobenzene	47100	J	22100	38200	50000	ug/Kg
78-59-1	Isophorone	47300	J	20000	38200	50000	ug/Kg
88-75-5	2-Nitrophenol	44000	J	28000	38200	50000	ug/Kg
105-67-9	2,4-Dimethylphenol	47600	J	29300	38200	50000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	49200	J	32900	38200	50000	ug/Kg
120-83-2	2,4-Dichlorophenol	49600	J	23000	38200	50000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51600		22800	38200	50000	ug/Kg
65-85-0	Benzoic acid	62900	U	62900	79400	97100	ug/Kg
91-20-3	Naphthalene	53200		23900	38200	50000	ug/Kg
106-47-8	4-Chloroaniline	34200	J	30900	38200	50000	ug/Kg
87-68-3	Hexachlorobutadiene	52600		24700	38200	50000	ug/Kg
105-60-2	Caprolactam	38300	J	34400	79400	97100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46500	J	24300	38200	50000	ug/Kg
91-57-6	2-Methylnaphthalene	49500	J	27900	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058639.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	103800		61800	79400	97100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44500	J	22700	38200	50000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42000	J	25900	38200	50000	ug/Kg
92-52-4	1,1-Biphenyl	51700		26900	38200	50000	ug/Kg
91-58-7	2-Chloronaphthalene	51800		24900	38200	50000	ug/Kg
88-74-4	2-Nitroaniline	44400	J	29200	38200	50000	ug/Kg
131-11-3	Dimethylphthalate	51200		26100	38200	50000	ug/Kg
208-96-8	Acenaphthylene	52600		26000	38200	50000	ug/Kg
606-20-2	2,6-Dinitrotoluene	45700	J	26500	38200	50000	ug/Kg
99-09-2	3-Nitroaniline	36200	J	27500	38200	50000	ug/Kg
83-32-9	Acenaphthene	52200		23600	38200	50000	ug/Kg
Total PAH	Total PAH	823700		422600	38200	800000	ug/Kg
51-28-5	2,4-Dinitrophenol	100900		52900	79400	97100	ug/Kg
100-02-7	4-Nitrophenol	86600	J	33500	79400	97100	ug/Kg
132-64-9	Dibenzofuran	53100		22600	38200	50000	ug/Kg
121-14-2	2,4-Dinitrotoluene	44600	J	29400	38200	50000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	90300	J	55900	38200	100000	ug/Kg
84-66-2	Diethylphthalate	52900		25300	38200	50000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53100		26600	38200	50000	ug/Kg
86-73-7	Fluorene	54100		24900	38200	50000	ug/Kg
100-01-6	4-Nitroaniline	42000	J	30600	38200	50000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	30900	J	25800	79400	97100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48300	J	27400	38200	50000	ug/Kg
103-33-3	Azobenzene	50400		21600	38200	50000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	46800	J	28600	38200	50000	ug/Kg
118-74-1	Hexachlorobenzene	53000		29100	38200	50000	ug/Kg
1912-24-9	Atrazine	58300		28100	38200	50000	ug/Kg
87-86-5	Pentachlorophenol	42500	J	32600	79400	97100	ug/Kg
85-01-8	Phenanthrene	53200		27300	38200	50000	ug/Kg
120-12-7	Anthracene	51100		30000	38200	50000	ug/Kg
86-74-8	Carbazole	54000		25000	38200	50000	ug/Kg
84-74-2	Di-n-butylphthalate	52600		30600	38200	50000	ug/Kg
206-44-0	Fluoranthene	55800		27800	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058639.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	85800	J	56800	79400	97100	ug/Kg
129-00-0	Pyrene	51000		24600	38200	50000	ug/Kg
85-68-7	Butylbenzylphthalate	43900	J	30300	38200	50000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47400	U	47400	79400	97100	ug/Kg
56-55-3	Benzo(a)anthracene	50500		24700	38200	50000	ug/Kg
218-01-9	Chrysene	50800		25500	38200	50000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	45100	J	33800	38200	50000	ug/Kg
117-84-0	Di-n-octyl phthalate	44700	J	36200	79400	97100	ug/Kg
205-99-2	Benzo(b)fluoranthene	53200		23600	38200	50000	ug/Kg
207-08-9	Benzo(k)fluoranthene	51100		25900	38200	50000	ug/Kg
50-32-8	Benzo(a)pyrene	46900	J	27700	38200	50000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50000		31500	38200	50000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	49400	J	28400	38200	50000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48600	J	27200	38200	50000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	48500	J	26300	38200	50000	ug/Kg
123-91-1	1,4-Dioxane	58400		34400	38200	50000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50100		24400	38200	50000	ug/Kg
90-12-0	1-Methylnaphthalene	52500		26500	50000	50000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	159.22		18-112		106	SPK: -150
13127-88-3	Phenol-d6	156.79		15-107		105	SPK: -150
4165-60-0	Nitrobenzene-d5	94.55		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	105.27		20-109		105	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.67		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	113.42	*	14-112		113	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	33127	7.813				
1146-65-2	Naphthalene-d8	142138	10.615				
15067-26-2	Acenaphthene-d10	104317	14.458				
1517-22-2	Phenanthrene-d10	269450	17.208				
1719-03-5	Chrysene-d12	267127	21.444				
1520-96-3	Perylene-d12	322488	24.517				



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Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02	Units:	g
Soil Aliquot Vol:		Final Vol:	10000 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
BG058639.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

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

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AB	SDG No.:	BG080823
Lab Sample ID:	O3917-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058640.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.8	U	87.8	310	370	ug/Kg
110-86-1	Pyridine	82.2	U	82.2	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	84.5	U	84.5	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.8	U	81.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.8	U	92.8	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.6	U	93.6	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	98.5	U	98.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67	U	67	90.9	90.9	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	150	190	ug/Kg
98-95-3	Nitrobenzene	85.4	U	85.4	150	190	ug/Kg
78-59-1	Isophorone	77.3	U	77.3	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	88.7	U	88.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88	U	88	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	370	ug/Kg
91-20-3	Naphthalene	92.5	U	92.5	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.4	U	95.4	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.7	U	93.7	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AB	SDG No.:	BG080823
Lab Sample ID:	O3917-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058640.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.6	U	87.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.8	U	99.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	96.1	U	96.1	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	91.2	U	91.2	150	190	ug/Kg
Total PAH	Total PAH	1650.2	U	1650.2	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	310	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	370	ug/Kg
132-64-9	Dibenzofuran	87.3	U	87.3	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
84-66-2	Diethylphthalate	97.6	U	97.6	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	96.3	U	96.3	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.7	U	99.7	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83.5	U	83.5	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	370	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	190	ug/Kg
120-12-7	Anthracene	120	U	120	150	190	ug/Kg
86-74-8	Carbazole	96.4	U	96.4	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AB	SDG No.:	BG080823
Lab Sample ID:	O3917-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058640.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	370	ug/Kg
129-00-0	Pyrene	95.1	U	95.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	95.3	U	95.3	150	190	ug/Kg
218-01-9	Chrysene	98.6	U	98.6	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.2	U	91.2	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.2	U	94.2	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.402		18-112		53	SPK: -150
13127-88-3	Phenol-d6	80.467		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	47.072		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	43.236		20-109		43	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.427		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	47.959		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	33884	7.812				
1146-65-2	Naphthalene-d8	147093	10.615				
15067-26-2	Acenaphthene-d10	116078	14.458				
1517-22-2	Phenanthrene-d10	315912	17.207				
1719-03-5	Chrysene-d12	283881	21.449				
1520-96-3	Perylene-d12	332289	24.522				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AB	SDG No.:	BG080823
Lab Sample ID:	O3917-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BG058640.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

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

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP05B	SDG No.:	BG080823
Lab Sample ID:	O3917-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058641.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	85.5	U	85.5	300	360	ug/Kg
110-86-1	Pyridine	80.1	U	80.1	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	300	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	82.3	U	82.3	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	99.3	U	99.3	140	190	ug/Kg
95-57-8	2-Chlorophenol	79.6	U	79.6	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.4	U	90.4	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.9	U	97.9	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.1	U	91.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	360	ug/Kg
95-48-7	2-Methylphenol	130	U	130	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	140	190	ug/Kg
98-86-2	Acetophenone	95.9	U	95.9	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	65.3	U	65.3	88.5	88.5	ug/Kg
67-72-1	Hexachloroethane	81.4	U	81.4	140	190	ug/Kg
98-95-3	Nitrobenzene	83.2	U	83.2	140	190	ug/Kg
78-59-1	Isophorone	75.3	U	75.3	140	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86.4	U	86.4	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.7	U	85.7	140	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	360	ug/Kg
91-20-3	Naphthalene	90	U	90	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.9	U	92.9	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.2	U	91.2	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP05B	SDG No.:	BG080823
Lab Sample ID:	O3917-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058641.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.3	U	85.3	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.2	U	97.2	140	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.6	U	93.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	98.3	U	98.3	140	190	ug/Kg
208-96-8	Acenaphthylene	97.8	U	97.8	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	99.5	U	99.5	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	88.8	U	88.8	140	190	ug/Kg
Total PAH	Total PAH	1578	U	1578	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	85	U	85	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	209.5	U	209.5	140	380	ug/Kg
84-66-2	Diethylphthalate	95	U	95	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	140	190	ug/Kg
86-73-7	Fluorene	93.8	U	93.8	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.1	U	97.1	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	81.3	U	81.3	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	110	U	110	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	360	ug/Kg
85-01-8	Phenanthrene	100	U	100	140	190	ug/Kg
120-12-7	Anthracene	110	U	110	140	190	ug/Kg
86-74-8	Carbazole	93.9	U	93.9	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	140	190	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP05B	SDG No.:	BG080823
Lab Sample ID:	O3917-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058641.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	300	360	ug/Kg
129-00-0	Pyrene	92.6	U	92.6	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	92.8	U	92.8	140	190	ug/Kg
218-01-9	Chrysene	96	U	96	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.8	U	88.8	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	97.4	U	97.4	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.9	U	98.9	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	91.7	U	91.7	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	99.8	U	99.8	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.599		18-112		64	SPK: -150
13127-88-3	Phenol-d6	99.547		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	56.455		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	56.923		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.249		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	60.971		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37220	7.815				
1146-65-2	Naphthalene-d8	167032	10.617				
15067-26-2	Acenaphthene-d10	132236	14.46				
1517-22-2	Phenanthrene-d10	343782	17.204				
1719-03-5	Chrysene-d12	311127	21.446				
1520-96-3	Perylene-d12	374796	24.519				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP05B	SDG No.:	BG080823
Lab Sample ID:	O3917-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058641.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			4.912	
001002-84-2	Pentadecanoic acid	78.5	J			18.097	
015594-90-8	1-Heneicosanol	160	J			21.134	

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AA	SDG No.:	BG080823
Lab Sample ID:	O3917-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058642.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	94.9	U	94.9	330	410	ug/Kg
110-86-1	Pyridine	88.9	U	88.9	160	210	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	410	ug/Kg
62-53-3	Aniline	140	U	140	160	210	ug/Kg
108-95-2	Phenol	91.3	U	91.3	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	88.4	U	88.4	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	210	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	330	410	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	72.4	U	72.4	98.2	98.2	ug/Kg
67-72-1	Hexachloroethane	90.4	U	90.4	160	210	ug/Kg
98-95-3	Nitrobenzene	92.3	U	92.3	160	210	ug/Kg
78-59-1	Isophorone	83.6	U	83.6	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	95.9	U	95.9	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	95.1	U	95.1	160	210	ug/Kg
65-85-0	Benzoic acid	260	U	260	330	410	ug/Kg
91-20-3	Naphthalene	99.9	U	99.9	160	210	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	140	U	140	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AA	SDG No.:	BG080823
Lab Sample ID:	O3917-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058642.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	260	U	260	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.7	U	94.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	98.6	U	98.6	160	210	ug/Kg
Total PAH	Total PAH	1767.1	U	1767.1	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	94.4	U	94.4	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
84-66-2	Diethylphthalate	110	U	110	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	100	U	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	210	ug/Kg
103-33-3	Azobenzene	90.2	U	90.2	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	210	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	330	410	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	210	ug/Kg
120-12-7	Anthracene	130	U	130	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	210	ug/Kg
206-44-0	Fluoranthene	120	U	120	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AA	SDG No.:	BG080823
Lab Sample ID:	O3917-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058642.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	240	U	240	330	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	110	U	110	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	420		140	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	98.6	U	98.6	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.565		18-112		73	SPK: -150
13127-88-3	Phenol-d6	114.28		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	65.517		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	63.852		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	98.295		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	69.019		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	33898	7.811				
1146-65-2	Naphthalene-d8	152885	10.614				
15067-26-2	Acenaphthene-d10	121382	14.457				
1517-22-2	Phenanthrene-d10	314690	17.206				
1719-03-5	Chrysene-d12	280330	21.448				
1520-96-3	Perylene-d12	338243	24.521				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	B-PP04AA	SDG No.:	BG080823
Lab Sample ID:	O3917-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058642.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A			4.909	
000057-10-3	n-Hexadecanoic acid	110	J			18.094	

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BG080823
Lab Sample ID:	O3903-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058643.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.9	U	90.9	320	390	ug/Kg
110-86-1	Pyridine	85.2	U	85.2	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	87.5	U	87.5	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.7	U	84.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.1	U	96.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.9	U	96.9	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	69.4	U	69.4	94.1	94.1	ug/Kg
67-72-1	Hexachloroethane	86.6	U	86.6	150	200	ug/Kg
98-95-3	Nitrobenzene	88.5	U	88.5	150	200	ug/Kg
78-59-1	Isophorone	80.1	U	80.1	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	91.9	U	91.9	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.2	U	91.2	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	95.7	U	95.7	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.8	U	98.8	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97	U	97	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BG080823
Lab Sample ID:	O3903-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058643.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.7	U	90.7	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	99.5	U	99.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	94.5	U	94.5	150	200	ug/Kg
Total PAH	Total PAH	1681.6	U	1681.6	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	90.5	U	90.5	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	99.7	U	99.7	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	86.5	U	86.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	99.9	U	99.9	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BG080823
Lab Sample ID:	O3903-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058643.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	98.5	U	98.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	98.7	U	98.7	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.5	U	94.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97.5	U	97.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.742		18-112		67	SPK: -150
13127-88-3	Phenol-d6	103.448		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	59.23		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	57.707		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.302		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	60.748		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	34713	7.811				
1146-65-2	Naphthalene-d8	156914	10.614				
15067-26-2	Acenaphthene-d10	122815	14.462				
1517-22-2	Phenanthrene-d10	326369	17.206				
1719-03-5	Chrysene-d12	290772	21.448				
1520-96-3	Perylene-d12	350502	24.521				



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Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-06	SDG No.:	BG080823
Lab Sample ID:	O3903-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058643.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			4.909	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-10W	SDG No.:	BG080823
Lab Sample ID:	O3903-20	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970 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
BG058644.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.3	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.2	ug/L
100-52-7	Benzaldehyde	3.4	U	3.4	8.2	10.3	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.2	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.2	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.2	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.2	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.2	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.2	ug/L
100-51-6	Benzyl Alcohol	2.5	U	2.5	8.2	10.3	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.2	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.2	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.2	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.2	ug/L
78-59-1	Isophorone	1.8	U	1.8	4.1	5.2	ug/L
88-75-5	2-Nitrophenol	2.5	U	2.5	4.1	5.2	ug/L
105-67-9	2,4-Dimethylphenol	3.1	U	3.1	4.1	5.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.2	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.2	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	4.1	5.2	ug/L
65-85-0	Benzoic acid	6.9	U	6.9	8.2	10.3	ug/L
91-20-3	Naphthalene	3.3	J	1.7	4.1	5.2	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.2	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.2	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.2	ug/L
91-57-6	2-Methylnaphthalene	7.4		2.3	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-10W	SDG No.:	BG080823
Lab Sample ID:	O3903-20	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970 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
BG058644.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.2	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4.1	5.2	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.2	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.2	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.2	ug/L
606-20-2	2,6-Dinitrotoluene	2.2	U	2.2	4.1	5.2	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.2	ug/L
Total PAH	Total PAH	31.8	U	31.8	4.1	83.2	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.3	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.3	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.2	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.8	U	4.8	4.1	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.2	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.2	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.2	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.9	U	1.9	8.2	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.2	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.2	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.2	ug/L
118-74-1	Hexachlorobenzene	2	U	2	4.1	5.2	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.2	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.3	ug/L
85-01-8	Phenanthrene	2.1	U	2.1	4.1	5.2	ug/L
120-12-7	Anthracene	2.4	U	2.4	4.1	5.2	ug/L
86-74-8	Carbazole	1.8	U	1.8	4.1	5.2	ug/L
84-74-2	Di-n-butylphthalate	2.5	U	2.5	4.1	5.2	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-10W	SDG No.:	BG080823
Lab Sample ID:	O3903-20	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058644.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.8	U	6.8	8.2	10.3	ug/L
129-00-0	Pyrene	1.9	U	1.9	4.1	5.2	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.2	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.3	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.2	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	4.1	5.2	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.2	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.2	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.2	U	2.2	4.1	5.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.2	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.2	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	4.1	5.2	ug/L
90-12-0	1-Methylnaphthalene	12.6		2.1	4.1	5.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	66.398		10-139		44	SPK: -150
13127-88-3	Phenol-d6	41.9		10-134		28	SPK: -150
4165-60-0	Nitrobenzene-d5	88.356		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	87.776		52-132		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.723		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	87.055		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	31423	7.812				
1146-65-2	Naphthalene-d8	145995	10.615				
15067-26-2	Acenaphthene-d10	116180	14.457				
1517-22-2	Phenanthrene-d10	289914	17.207				
1719-03-5	Chrysene-d12	258600	21.449				
1520-96-3	Perylene-d12	315664	24.522				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-10W	SDG No.:	BG080823
Lab Sample ID:	O3903-20	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058644.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	16.3	J			4.998	
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	22.2	J			5.239	
003788-32-7	Cyclopentane, (2-methylpropyl)-	20	J			5.679	
003728-56-1	1-Ethyl-4-methylcyclohexane	20.3	J			5.756	
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	31.8	J			6.073	
028282-35-1	Cis-bicyclo[4.2.0]octane	41.4	J			6.302	
002051-30-1	Octane, 2,6-dimethyl-	18.7	J			6.355	
001678-92-8	Cyclohexane, propyl-	55.2	J			6.443	
062108-23-0	Decane, 2,5,6-trimethyl-	19.6	J			6.702	
000103-65-1	Benzene, propyl-	36.1	J			6.79	
000526-73-8	Benzene, 1,2,3-trimethyl-	20.6	J			7.454	
	unknown7.712	18.3	J			7.712	
000496-11-7	Indane	20.9	J			8.182	
000141-93-5	Benzene, 1,3-diethyl-	64.1	J			8.3	
000135-01-3	Benzene, 1,2-diethyl-	39.7	J			8.453	
000493-02-7	Naphthalene, decahydro-, trans-	16.2	J			8.641	
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	120	J			8.917	
056253-64-6	Benzene, (2-methyl-1-butenyl)-	38.6	J			9.158	
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	18.8	J			9.44	
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	17.2	J			10.01	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-01W	SDG No.:	BG080823
Lab Sample ID:	O3903-12	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
BG058645.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	14.7		6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	4.2	J	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-01W	SDG No.:	BG080823
Lab Sample ID:	O3903-12	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
BG058645.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-01W	SDG No.:	BG080823
Lab Sample ID:	O3903-12	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
BG058645.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	3.9	J	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	71.153		10-139		47	SPK: -150
13127-88-3	Phenol-d6	47.525		10-134		32	SPK: -150
4165-60-0	Nitrobenzene-d5	86.624		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	84.003		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	124.63		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	81.482		36-145		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37864	7.808				
1146-65-2	Naphthalene-d8	179624	10.611				
15067-26-2	Acenaphthene-d10	143337	14.459				
1517-22-2	Phenanthrene-d10	342847	17.203				
1719-03-5	Chrysene-d12	304502	21.445				
1520-96-3	Perylene-d12	369749	24.518				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-01W	SDG No.:	BG080823
Lab Sample ID:	O3903-12	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
BG058645.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000638-04-0	Cyclohexane, 1,3-dimethyl-, cis-	13.7	J			4.166	
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	13.4	J			4.448	
000694-72-4	Pentalene, octahydro-	12.9	J			5.505	
	unknown5.676	14.7	J			5.676	
003728-56-1	1-Ethyl-4-methylcyclohexane	15	J			5.758	
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	15.5	J			6.075	
	unknown6.310	31.1	J			6.31	
001678-92-8	Cyclohexane, propyl-	27	J			6.439	
	unknown6.792	17.6	J			6.792	
001074-55-1	Benzene, 1-methyl-4-propyl-	19.9	J			7.708	
000496-11-7	Indane	18.3	J			8.184	
000105-05-5	Benzene, 1,4-diethyl-	40.8	J			8.302	
000141-93-5	Benzene, 1,3-diethyl-	40.1	J			8.449	
000135-01-3	Benzene, 1,2-diethyl-	13	J			8.496	
000091-17-8	Naphthalene, decahydro-	15	J			8.637	
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	78.2	J			8.913	
097664-18-1	Benzene, 1-methyl-4-(1-methyl-2-pr	19	J			9.154	
	unknown17.908	13	J			17.908	
	unknown18.878	260	J			18.878	
000141-17-3	Hexanedioic acid, bis[2-(2-butoxye	160	J			22.961	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-04W	SDG No.:	BG080823
Lab Sample ID:	O3903-14	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058646.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.3	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.2	ug/L
100-52-7	Benzaldehyde	3.4	U	3.4	8.2	10.3	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.2	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.2	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.2	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.2	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.2	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.2	ug/L
100-51-6	Benzyl Alcohol	2.5	U	2.5	8.2	10.3	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.2	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.2	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.2	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.2	ug/L
78-59-1	Isophorone	1.8	U	1.8	4.1	5.2	ug/L
88-75-5	2-Nitrophenol	2.5	U	2.5	4.1	5.2	ug/L
105-67-9	2,4-Dimethylphenol	3.1	U	3.1	4.1	5.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.2	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.2	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	4.1	5.2	ug/L
65-85-0	Benzoic acid	6.9	U	6.9	8.2	10.3	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4.1	5.2	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.2	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.2	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.2	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-04W	SDG No.:	BG080823
Lab Sample ID:	O3903-14	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058646.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.2	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4.1	5.2	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.2	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.2	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.2	ug/L
606-20-2	2,6-Dinitrotoluene	2.2	U	2.2	4.1	5.2	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.2	ug/L
Total PAH	Total PAH	31.8	U	31.8	4.1	83.2	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.3	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.3	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.2	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.8	U	4.8	4.1	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.2	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.2	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.2	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.9	U	1.9	8.2	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.2	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.2	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.2	ug/L
118-74-1	Hexachlorobenzene	2	U	2	4.1	5.2	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.2	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.3	ug/L
85-01-8	Phenanthrene	2.1	U	2.1	4.1	5.2	ug/L
120-12-7	Anthracene	2.4	U	2.4	4.1	5.2	ug/L
86-74-8	Carbazole	1.8	U	1.8	4.1	5.2	ug/L
84-74-2	Di-n-butylphthalate	2.5	U	2.5	4.1	5.2	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-04W	SDG No.:	BG080823
Lab Sample ID:	O3903-14	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058646.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	6.8	U	6.8	8.2	10.3	ug/L
129-00-0	Pyrene	1.9	U	1.9	4.1	5.2	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.2	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.3	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.2	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	4.1	5.2	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.2	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.2	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.2	U	2.2	4.1	5.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.2	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.2	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	4.1	5.2	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4.1	5.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	62.78		10-139		42	SPK: -150
13127-88-3	Phenol-d6	40.325		10-134		27	SPK: -150
4165-60-0	Nitrobenzene-d5	79.742		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	76.991		52-132		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	118.1		32-145		79	SPK: -150
1718-51-0	Terphenyl-d14	79.116		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38009	7.809				
1146-65-2	Naphthalene-d8	176794	10.612				
15067-26-2	Acenaphthene-d10	137180	14.46				
1517-22-2	Phenanthrene-d10	349961	17.204				
1719-03-5	Chrysene-d12	308927	21.446				
1520-96-3	Perylene-d12	370953	24.519				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-04W	SDG No.:	BG080823
Lab Sample ID:	O3903-14	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058646.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000104-76-7	1-Hexanol, 2-ethyl-	4.6	J			7.868	
000149-57-5	Hexanoic acid, 2-ethyl-	4.6	J			9.119	
024927-67-1	Octanoic acid, silver(1+) salt	10	J			11.434	
000112-05-0	Nonanoic acid	2.2	J			14.883	
000057-10-3	n-Hexadecanoic acid	5	J			18.091	
000661-19-8	Behenic alcohol	3.8	J			21.129	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-05W	SDG No.:	BG080823
Lab Sample ID:	O3903-15	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058647.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.3	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.2	ug/L
100-52-7	Benzaldehyde	3.4	U	3.4	8.2	10.3	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.2	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.2	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.2	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.2	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.2	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.2	ug/L
100-51-6	Benzyl Alcohol	2.5	U	2.5	8.2	10.3	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.2	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.2	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.2	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.2	ug/L
78-59-1	Isophorone	1.8	U	1.8	4.1	5.2	ug/L
88-75-5	2-Nitrophenol	2.5	U	2.5	4.1	5.2	ug/L
105-67-9	2,4-Dimethylphenol	3.1	U	3.1	4.1	5.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.2	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.2	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	4.1	5.2	ug/L
65-85-0	Benzoic acid	6.9	U	6.9	8.2	10.3	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4.1	5.2	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.2	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.2	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.2	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-05W	SDG No.:	BG080823
Lab Sample ID:	O3903-15	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058647.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.2	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4.1	5.2	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.2	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.2	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.2	ug/L
606-20-2	2,6-Dinitrotoluene	2.2	U	2.2	4.1	5.2	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.2	ug/L
Total PAH	Total PAH	31.8	U	31.8	4.1	83.2	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.3	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.3	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.2	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.8	U	4.8	4.1	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.2	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.2	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.2	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.9	U	1.9	8.2	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.2	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.2	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.2	ug/L
118-74-1	Hexachlorobenzene	2	U	2	4.1	5.2	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.2	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.3	ug/L
85-01-8	Phenanthrene	2.1	U	2.1	4.1	5.2	ug/L
120-12-7	Anthracene	2.4	U	2.4	4.1	5.2	ug/L
86-74-8	Carbazole	1.8	U	1.8	4.1	5.2	ug/L
84-74-2	Di-n-butylphthalate	2.5	U	2.5	4.1	5.2	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-05W	SDG No.:	BG080823
Lab Sample ID:	O3903-15	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058647.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	6.8	U	6.8	8.2	10.3	ug/L
129-00-0	Pyrene	1.9	U	1.9	4.1	5.2	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.2	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.3	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.2	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	4.1	5.2	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.2	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.2	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.2	U	2.2	4.1	5.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.2	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.2	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	4.1	5.2	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4.1	5.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	71.05		10-139		47	SPK: -150
13127-88-3	Phenol-d6	45.731		10-134		30	SPK: -150
4165-60-0	Nitrobenzene-d5	91.975		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	89.501		52-132		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.267		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	87.052		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	33008	7.809				
1146-65-2	Naphthalene-d8	159394	10.611				
15067-26-2	Acenaphthene-d10	127234	14.46				
1517-22-2	Phenanthrene-d10	324460	17.204				
1719-03-5	Chrysene-d12	285178	21.446				
1520-96-3	Perylene-d12	345923	24.519				



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-05W	SDG No.:	BG080823
Lab Sample ID:	O3903-15	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	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
BG058647.D	1	8/4/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000142-62-1	Hexanoic acid	4.2	J			6.834	
000104-76-7	1-Hexanol, 2-ethyl-	4.4	J			7.874	
000149-57-5	Hexanoic acid, 2-ethyl-	14.4	J			9.125	
000124-07-2	Octanoic acid	3.5	J			9.953	
024927-67-1	Octanoic acid, silver(1+) salt	9.5	J			11.428	
000143-22-6	Ethanol, 2-[2-(2-butoxyethoxy)etho	2.3	J			14.008	
000638-53-9	Tridecanoic acid	4.5	J			18.091	
003452-07-1	1-Eicosene	4.2	J			21.123	

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058648.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38500	J	22700	79400	97100	ug/Kg
110-86-1	Pyridine	29100	J	21300	38200	50000	ug/Kg
100-52-7	Benzaldehyde	43500	U	43500	79400	97100	ug/Kg
62-53-3	Aniline	34400	U	34400	38200	50000	ug/Kg
108-95-2	Phenol	45500	J	21900	38200	50000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	42600	J	26400	38200	50000	ug/Kg
95-57-8	2-Chlorophenol	44400	J	21200	38200	50000	ug/Kg
95-50-1	1,2-Dichlorobenzene	43800	J	24000	38200	50000	ug/Kg
541-73-1	1,3-Dichlorobenzene	42600	J	26000	38200	50000	ug/Kg
106-46-7	1,4-Dichlorobenzene	42200	J	24200	38200	50000	ug/Kg
100-51-6	Benzyl Alcohol	40400	J	29100	79400	97100	ug/Kg
95-48-7	2-Methylphenol	42500	J	33500	38200	50000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43400	J	30900	38200	50000	ug/Kg
98-86-2	Acetophenone	36500	J	25500	38200	50000	ug/Kg
65794-96-9	3+4-Methylphenols	42100	J	31800	79400	97100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41700		17400	23500	23500	ug/Kg
67-72-1	Hexachloroethane	40200	J	21600	38200	50000	ug/Kg
98-95-3	Nitrobenzene	36100	J	22100	38200	50000	ug/Kg
78-59-1	Isophorone	36800	J	20000	38200	50000	ug/Kg
88-75-5	2-Nitrophenol	32300	J	28000	38200	50000	ug/Kg
105-67-9	2,4-Dimethylphenol	38800	J	29300	38200	50000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37200	J	32900	38200	50000	ug/Kg
120-83-2	2,4-Dichlorophenol	38200	J	23000	38200	50000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	38600	J	22800	38200	50000	ug/Kg
65-85-0	Benzoic acid	69200	J	62900	79400	97100	ug/Kg
91-20-3	Naphthalene	39800	J	23900	38200	50000	ug/Kg
106-47-8	4-Chloroaniline	30900	U	30900	38200	50000	ug/Kg
87-68-3	Hexachlorobutadiene	37700	J	24700	38200	50000	ug/Kg
105-60-2	Caprolactam	34400	U	34400	79400	97100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40900	J	24300	38200	50000	ug/Kg
91-57-6	2-Methylnaphthalene	38900	J	27900	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058648.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	86800	J	61800	79400	97100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	34900	J	22700	38200	50000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35900	J	25900	38200	50000	ug/Kg
92-52-4	1,1-Biphenyl	36400	J	26900	38200	50000	ug/Kg
91-58-7	2-Chloronaphthalene	37300	J	24900	38200	50000	ug/Kg
88-74-4	2-Nitroaniline	32000	J	29200	38200	50000	ug/Kg
131-11-3	Dimethylphthalate	38600	J	26100	38200	50000	ug/Kg
208-96-8	Acenaphthylene	39300	J	26000	38200	50000	ug/Kg
606-20-2	2,6-Dinitrotoluene	34400	J	26500	38200	50000	ug/Kg
99-09-2	3-Nitroaniline	29500	J	27500	38200	50000	ug/Kg
83-32-9	Acenaphthene	38700	J	23600	38200	50000	ug/Kg
Total PAH	Total PAH	566100	J	422600	38200	800000	ug/Kg
51-28-5	2,4-Dinitrophenol	83500	J	52900	79400	97100	ug/Kg
100-02-7	4-Nitrophenol	75400	J	33500	79400	97100	ug/Kg
132-64-9	Dibenzofuran	40400	J	22600	38200	50000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	72000	J	55900	38200	100000	ug/Kg
121-14-2	2,4-Dinitrotoluene	37600	J	29400	38200	50000	ug/Kg
84-66-2	Diethylphthalate	40300	J	25300	38200	50000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	39100	J	26600	38200	50000	ug/Kg
86-73-7	Fluorene	41600	J	24900	38200	50000	ug/Kg
100-01-6	4-Nitroaniline	30600	U	30600	38200	50000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	25800	U	25800	79400	97100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37200	J	27400	38200	50000	ug/Kg
103-33-3	Azobenzene	39300	J	21600	38200	50000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	35500	J	28600	38200	50000	ug/Kg
118-74-1	Hexachlorobenzene	38400	J	29100	38200	50000	ug/Kg
1912-24-9	Atrazine	43900	J	28100	38200	50000	ug/Kg
87-86-5	Pentachlorophenol	38100	J	32600	79400	97100	ug/Kg
85-01-8	Phenanthrene	40400	J	27300	38200	50000	ug/Kg
120-12-7	Anthracene	37800	J	30000	38200	50000	ug/Kg
86-74-8	Carbazole	39100	J	25000	38200	50000	ug/Kg
84-74-2	Di-n-butylphthalate	36900	J	30600	38200	50000	ug/Kg
206-44-0	Fluoranthene	39400	J	27800	38200	50000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02 Units: g	Final Vol:	10000 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
BG058648.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	56800	U	56800	79400	97100	ug/Kg
129-00-0	Pyrene	37500	J	24600	38200	50000	ug/Kg
85-68-7	Butylbenzylphthalate	35200	J	30300	38200	50000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47400	U	47400	79400	97100	ug/Kg
56-55-3	Benzo(a)anthracene	38100	J	24700	38200	50000	ug/Kg
218-01-9	Chrysene	36700	J	25500	38200	50000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	36100	J	33800	38200	50000	ug/Kg
117-84-0	Di-n-octyl phthalate	36200	U	36200	79400	97100	ug/Kg
205-99-2	Benzo(b)fluoranthene	38500	J	23600	38200	50000	ug/Kg
207-08-9	Benzo(k)fluoranthene	38900	J	25900	38200	50000	ug/Kg
50-32-8	Benzo(a)pyrene	35000	J	27700	38200	50000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31500	U	31500	38200	50000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31600	J	28400	38200	50000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32800	J	27200	38200	50000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	34700	J	26300	38200	50000	ug/Kg
123-91-1	1,4-Dioxane	38800	J	34400	38200	50000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	35600	J	24400	38200	50000	ug/Kg
90-12-0	1-Methylnaphthalene	39800	J	26500	50000	50000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.86		18-112		81	SPK: -150
13127-88-3	Phenol-d6	127.99		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	73.49		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	76.04		20-109		76	SPK: -100
118-79-6	2,4,6-Tribromophenol	109.68		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	82.4		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38933	7.812				
1146-65-2	Naphthalene-d8	180458	10.614				
15067-26-2	Acenaphthene-d10	148698	14.457				
1517-22-2	Phenanthrene-d10	388728	17.207				
1719-03-5	Chrysene-d12	351578	21.449				
1520-96-3	Perylene-d12	422418	24.522				



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Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154550BS	SDG No.:	BG080823
Lab Sample ID:	PB154550BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	1.02	Units:	g
Soil Aliquot Vol:		Final Vol:	10000 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
BG058648.D	1	7/31/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet

SW-846

SDG No.: BG080823

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-06								
O3903-06	MW-06	Solid	2-Pentanone, 4-hydroxy-4-methyl *	140.000	A			
			Total Tics :			140.00		
			Total Concentration:			140.00		
Client ID : MW-01W								
O3903-12	MW-01W	Water	1-Ethyl-4-methylcyclohexane *	15.000	J			
O3903-12	MW-01W	Water	Benzene, 1,2-diethyl-	13.000	J			
O3903-12	MW-01W	Water	Benzene, 1,3-diethyl-	40.100	J			
O3903-12	MW-01W	Water	Benzene, 1,4-diethyl-	40.800	J			
O3903-12	MW-01W	Water	Benzene, 1-methyl-4-(1-methyl-2-	19.000	J			
O3903-12	MW-01W	Water	Benzene, 1-methyl-4-propyl-	19.900	J			
O3903-12	MW-01W	Water	Benzene, 4-ethyl-1,2-dimethyl-	78.200	J			
O3903-12	MW-01W	Water	Cyclohexane, 1,2-dimethyl-, trans *	13.400	J			
O3903-12	MW-01W	Water	Cyclohexane, 1,3-dimethyl-, cis-	13.700	J			
O3903-12	MW-01W	Water	Cyclohexane, 1,3-dimethyl-, trans *	15.500	J			
O3903-12	MW-01W	Water	Cyclohexane, propyl-	27.000	J			
O3903-12	MW-01W	Water	Hexanedioic acid, bis[2-(2-butoxy *	160.000	J			
O3903-12	MW-01W	Water	Indane *	18.300	J			
O3903-12	MW-01W	Water	Naphthalene, decahydro-	15.000	J			
O3903-12	MW-01W	Water	Pentalene, octahydro-	12.900	J			
O3903-12	MW-01W	Water	unknown17.908 *	13.000	J			
O3903-12	MW-01W	Water	unknown18.878 *	260.000	J			
O3903-12	MW-01W	Water	unknown5.676 *	14.700	J			
O3903-12	MW-01W	Water	unknown6.310 *	31.100	J			
O3903-12	MW-01W	Water	unknown6.792 *	17.600	J			
			Total Tics :			838.20		
O3903-12	MW-01W	Water	1-Methylnaphthalene	3.900	J	2.1	5	ug/L
O3903-12	MW-01W	Water	2-Methylnaphthalene	4.200	J	2.2	5	ug/L
O3903-12	MW-01W	Water	Benzoic acid	14.700		6.7	10	ug/L
			Total Svoc :			22.80		
			Total Concentration:			861.00		
Client ID : MW-04W								
O3903-14	MW-04W	Water	1-Hexanol, 2-ethyl-	4.600	J			
O3903-14	MW-04W	Water	Behenic alcohol	3.800	J			
O3903-14	MW-04W	Water	Hexanoic acid, 2-ethyl-	4.600	J			
O3903-14	MW-04W	Water	n-Hexadecanoic acid	5.000	J			
O3903-14	MW-04W	Water	Nonanoic acid	2.200	J			
O3903-14	MW-04W	Water	Octanoic acid, silver(1+) salt *	10.000	J			
			Total Tics :			30.20		

Hit Summary Sheet SW-846

SDG No.: BG080823

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:					30.20		
Client ID : MW-05W							
O3903-15	MW-05W	Water	1-Eicosene	*	4.200	J	
O3903-15	MW-05W	Water	1-Hexanol, 2-ethyl-	*	4.400	J	
O3903-15	MW-05W	Water	Ethanol, 2-[2-(2-butoxyethoxy)eth	*	2.300	J	
O3903-15	MW-05W	Water	Hexanoic acid	*	4.200	J	
O3903-15	MW-05W	Water	Hexanoic acid, 2-ethyl-	*	14.400	J	
O3903-15	MW-05W	Water	Octanoic acid	*	3.500	J	
O3903-15	MW-05W	Water	Octanoic acid, silver(1+) salt	*	9.500	J	
O3903-15	MW-05W	Water	Tridecanoic acid	*	4.500	J	
Total Tics :					47.00		
Total Concentration:					47.00		
Client ID : MW-10W							
O3903-20	MW-10W	Water	1-Ethyl-4-methylcyclohexane	*	20.300	J	
O3903-20	MW-10W	Water	Benzene, (2-methyl-1-butenyl)-	*	38.600	J	
O3903-20	MW-10W	Water	Benzene, 1,2,3-trimethyl-	*	20.600	J	
O3903-20	MW-10W	Water	Benzene, 1,2,4,5-tetramethyl-	*	18.800	J	
O3903-20	MW-10W	Water	Benzene, 1,2-diethyl-	*	39.700	J	
O3903-20	MW-10W	Water	Benzene, 1,3-diethyl-	*	64.100	J	
O3903-20	MW-10W	Water	Benzene, 2-ethenyl-1,4-dimethyl-	*	17.200	J	
O3903-20	MW-10W	Water	Benzene, 4-ethyl-1,2-dimethyl-	*	120.000	J	
O3903-20	MW-10W	Water	Benzene, propyl-	*	36.100	J	
O3903-20	MW-10W	Water	Cis-bicyclo[4.2.0]octane	*	41.400	J	
O3903-20	MW-10W	Water	Cyclohexane, 1,1,3-trimethyl-	*	16.300	J	
O3903-20	MW-10W	Water	Cyclohexane, 1,2,4-trimethyl-, (1.	*	22.200	J	
O3903-20	MW-10W	Water	Cyclohexane, 1,3-dimethyl-, trans	*	31.800	J	
O3903-20	MW-10W	Water	Cyclohexane, propyl-	*	55.200	J	
O3903-20	MW-10W	Water	Cyclopentane, (2-methylpropyl)-	*	20.000	J	
O3903-20	MW-10W	Water	Decane, 2,5,6-trimethyl-	*	19.600	J	
O3903-20	MW-10W	Water	Indane	*	20.900	J	
O3903-20	MW-10W	Water	Naphthalene, decahydro-, trans-	*	16.200	J	
O3903-20	MW-10W	Water	Octane, 2,6-dimethyl-	*	18.700	J	
O3903-20	MW-10W	Water	unknown7.712	*	18.300	J	
Total Tics :					656.00		
O3903-20	MW-10W	Water	1-Methylnaphthalene		12.600	2.1	ug/L
O3903-20	MW-10W	Water	2-Methylnaphthalene		7.400	2.3	ug/L
O3903-20	MW-10W	Water	Naphthalene		3.300	1.7	ug/L
Total Svoc :					23.30		
Total Concentration:					679.30		
Client ID : B-PP04AA							
O3917-01	B-PP04AA	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	A	



Hit Summary Sheet
SW-846

SDG No.: BG080823

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3917-01	B-PP04AA	Solid	n-Hexadecanoic acid	*	110.000	J		
			Total Tics :			340.00		
O3917-01	B-PP04AA	Solid	Bis(2-ethylhexyl)phthalate		420.000	140	210	ug/Kg
			Total Svoc :			420.00		
			Total Concentration:			760.00		
Client ID : B-PP05B								
O3917-04	B-PP05B	Solid	1-Heneicosanol	*	160.000	J		
O3917-04	B-PP05B	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A		
O3917-04	B-PP05B	Solid	Pentadecanoic acid	*	78.500	J		
			Total Tics :			388.50		
			Total Concentration:			388.50		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG072823

SAS No.: BG072823

SDG No.: BG072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 09:21 _____

LAB FILE ID:		RRF2.5 = BG058510.D			RRF005 = BG058511.D		RRF010 = BG058512.D	
		RRF020 = BG058513.D			RRF040 = BG058514.D		RRF050 = BG058515.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.778	0.762	0.788	0.737	0.693	0.732	6.4
Pyridine		1.800	1.767	1.861	1.755	1.648	1.729	5.5
2-Fluorophenol		1.394	1.389	1.419	1.318	1.230	1.309	7.5
Benzaldehyde			1.165	1.118	0.948	0.861	0.989	14.6
Aniline		2.285	2.268	2.387	2.318	2.168	2.242	4.6
Phenol-d6		1.923	1.870	1.962	1.855	1.737	1.821	6.3
Phenol		1.838	1.857	1.912	1.818	1.691	1.779	6.0
bis(2-Chloroethyl)ether		1.536	1.455	1.465	1.387	1.344	1.402	6.5
2-Chlorophenol		1.347	1.329	1.393	1.290	1.220	1.284	6.3
1,2-Dichlorobenzene		1.412	1.419	1.431	1.315	1.229	1.316	8.3
1,3-Dichlorobenzene		1.463	1.456	1.500	1.367	1.287	1.371	7.7
1,4-Dichlorobenzene		1.503	1.446	1.479	1.376	1.288	1.376	7.7
Benzyl Alcohol		0.934	1.098	1.224	1.234	1.182	1.155	9.4
2-Methylphenol		1.349	1.379	1.373	1.313	1.238	1.300	5.6
2,2-oxybis(1-Chloropropane)		2.403	2.394	2.421	2.272	2.178	2.278	5.8
Acetophenone		0.540	0.539	0.577	0.548	0.517	0.536	4.5
3+4-Methylphenols		1.733	1.744	1.898	1.830	1.721	1.759	4.8
n-Nitroso-di-n-propylamine	1.237	1.220	1.214	1.251	1.181	1.113	1.176	5.8
Nitrobenzene-d5		0.402	0.406	0.434	0.416	0.393	0.407	3.7
Hexachloroethane		0.544	0.523	0.528	0.500	0.474	0.500	6.7
Nitrobenzene		0.395	0.427	0.440	0.423	0.401	0.414	4.2
Isophorone		0.847	0.868	0.883	0.851	0.808	0.841	3.6
2-Nitrophenol		0.163	0.172	0.185	0.189	0.181	0.180	5.3
2,4-Dimethylphenol		0.289	0.295	0.317	0.308	0.293	0.299	3.4
bis(2-Chloroethoxy)methane		0.433	0.467	0.485	0.475	0.446	0.458	4.3
2,4-Dichlorophenol		0.294	0.305	0.326	0.323	0.302	0.310	3.8
1,2,4-Trichlorobenzene		0.370	0.363	0.376	0.363	0.343	0.358	4.1
Benzoic acid			0.130	0.180	0.236	0.224	0.207	21.1
Naphthalene		1.104	1.108	1.122	1.062	0.997	1.054	5.9
4-Chloroaniline		0.395	0.433	0.464	0.476	0.441	0.445	6.0
Hexachlorobutadiene		0.238	0.229	0.246	0.232	0.219	0.230	4.1
Caprolactam		0.110	0.121	0.120	0.119	0.109	0.115	4.5
4-Chloro-3-methylphenol		0.368	0.388	0.406	0.397	0.375	0.384	3.7
2-Methylnaphthalene		0.793	0.777	0.796	0.766	0.717	0.754	5.2
Hexachlorocyclopentadiene			0.135	0.203	0.249	0.264	0.236	24.5
2,4,6-Trichlorophenol		0.411	0.414	0.442	0.435	0.412	0.422	3.3

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.: BG072823

SAS No.: BG072823

SDG No.: BG072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 09:21 _____

LAB FILE ID:		RRF2.5 = BG058510.D			RRF005 = BG058511.D		RRF010 = BG058512.D	
		RRF020 = BG058513.D			RRF040 = BG058514.D		RRF050 = BG058515.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.469	1.429	1.449	1.313	1.240	1.335	8.8
2,4,5-Trichlorophenol		0.506	0.521	0.493	0.499	0.478	0.497	3.1
1,1-Biphenyl		1.422	1.425	1.455	1.370	1.328	1.374	4.9
2-Chloronaphthalene		1.103	1.102	1.138	1.067	1.026	1.071	4.5
2-Nitroaniline		0.364	0.385	0.432	0.427	0.412	0.409	6.2
Dimethylphthalate		1.585	1.583	1.595	1.501	1.421	1.502	6.0
Acenaphthylene		1.890	1.876	1.919	1.802	1.697	1.793	6.2
2,6-Dinitrotoluene		0.321	0.338	0.345	0.335	0.319	0.330	3.2
3-Nitroaniline		0.281	0.315	0.351	0.347	0.333	0.330	7.6
Acenaphthene		1.096	1.077	1.108	1.030	0.981	1.036	5.9
2,4-Dinitrophenol			0.076	0.120	0.164	0.166	0.150	29.1
4-Nitrophenol			0.161	0.203	0.245	0.228	0.222	15.5
Dibenzofuran		1.911	1.931	1.899	1.773	1.661	1.780	7.8
2,4-Dinitrotoluene		0.415	0.466	0.492	0.473	0.448	0.457	5.5
Diethylphthalate		1.626	1.678	1.634	1.527	1.422	1.530	7.9
4-Chlorophenyl-phenylether		0.850	0.834	0.833	0.782	0.744	0.788	6.6
Fluorene		1.561	1.548	1.529	1.397	1.304	1.414	9.4
4-Nitroaniline		0.243	0.310	0.329	0.338	0.312	0.312	10.4
4,6-Dinitro-2-methylphenol			0.083	0.103	0.118	0.115	0.110	13.5
n-Nitrosodiphenylamine		0.533	0.535	0.564	0.522	0.502	0.521	5.2
Azobenzene		1.594	1.615	1.605	1.515	1.416	1.507	6.9
2,4,6-Tribromophenol		0.326	0.344	0.346	0.334	0.313	0.328	4.5
4-Bromophenyl-phenylether		0.230	0.230	0.236	0.227	0.220	0.227	2.8
Hexachlorobenzene		0.251	0.245	0.253	0.238	0.232	0.240	4.1
Atrazine		0.191	0.197	0.195	0.176	0.161	0.176	10.7
Pentachlorophenol			0.110	0.139	0.155	0.152	0.145	13.1
Phenanthrene		1.024	1.019	1.023	0.943	0.883	0.948	8.0
Anthracene		1.041	1.042	1.051	0.975	0.911	0.973	7.7
Carbazole		0.846	0.913	0.928	0.885	0.812	0.858	6.3
Di-n-butylphthalate		1.080	1.164	1.168	1.098	1.013	1.075	7.2
Fluoranthene		1.202	1.245	1.230	1.156	1.048	1.139	8.3
Benzidine		0.279	0.303	0.242	0.370	0.317	0.303	12.8
Pyrene		1.438	1.453	1.447	1.362	1.287	1.361	6.6
Terphenyl-d14		1.178	1.169	1.153	1.051	0.985	1.064	9.9
Butylbenzylphthalate		0.554	0.568	0.585	0.571	0.550	0.559	3.4
3,3-Dichlorobenzidine		0.440	0.478	0.490	0.481	0.453	0.465	4.2

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.: BG072823

SAS No.: BG072823

SDG No.: BG072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 09:21 _____

LAB FILE ID:		RRF2.5 = BG058510.D			RRF005 = BG058511.D		RRF010 = BG058512.D	
		RRF020 = BG058513.D			RRF040 = BG058514.D		RRF050 = BG058515.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.430	1.443	1.436	1.386	1.311	1.376	4.9
Chrysene		1.361	1.397	1.393	1.325	1.258	1.320	5.3
Bis(2-ethylhexyl)phthalate		0.834	0.849	0.866	0.833	0.783	0.817	5.1
Di-n-octyl phthalate		1.450	1.466	1.501	1.467	1.393	1.436	3.9
Benzo(b)fluoranthene		1.109	1.117	1.149	1.117	1.041	1.085	5.0
Benzo(k)fluoranthene		1.133	1.139	1.148	1.103	1.023	1.090	5.2
Benzo(a)pyrene		1.079	1.086	1.113	1.088	1.021	1.065	3.7
Indeno(1,2,3-cd)pyrene		1.307	1.349	1.386	1.367	1.288	1.331	3.2
Dibenzo(a,h)anthracene		1.077	1.127	1.148	1.129	1.059	1.100	3.5
Benzo(g,h,i)perylene		1.089	1.122	1.151	1.128	1.060	1.103	3.2
1,2,4,5-Tetrachlorobenzene		0.634	0.623	0.642	0.613	0.594	0.614	3.7
1,4-Dioxane		0.672	0.707	0.678	0.630	0.591	0.634	8.5
2,3,4,6-Tetrachlorophenol		0.431	0.438	0.432	0.430	0.408	0.424	2.8
1-Methylnaphthalene		0.766	0.765	0.757	0.715	0.672	0.717	6.6

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: CHEMTECHLab Code: CHEM Case No.: BG080823 SAS No.: BG080823 SDG NO.: BG080823EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 8 2023 12:00AMLab File ID: BG058514.D Time Analyzed: 09:31Instrument 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	57417	7.811	230279	10.61	159879	14.46
	UPPER LIMIT	114834	8.311	460558	11.114	319758	14.962
	LOWER LIMIT	28708.5	7.311	115139.5	10.114	79939.5	13.962
	EPA SAMPLE NO.						
01	PB154669BL	38817	7.81	160774	10.62	112785	14.46
02	PB154526BS	45507	7.81	204621	10.61	149776	14.46
03	PB154638BS	45222	7.81	202394	10.61	147602	14.46
04	PB154550BL	36983	7.81	154690	10.62	116388	14.46
05	PB154550BS	33127	7.81	142138	10.62	104317	14.46
06	B-PP04AB	33884	7.81	147093	10.62	116078	14.46
07	B-PP05B	37220	7.82	167032	10.62	132236	14.46
08	B-PP04AA	33898	7.81	152885	10.61	121382	14.46
09	MW-06	34713	7.81	156914	10.61	122815	14.46
10	MW-10W	31423	7.81	145995	10.62	116180	14.46
11	MW-01W	37864	7.81	179624	10.61	143337	14.46
12	MW-04W	38009	7.81	176794	10.61	137180	14.46
13	MW-05W	33008	7.81	159394	10.61	127234	14.46
14	PB154550BS	38933	7.81	180458	10.61	148698	14.46

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: CHEMTECHLab Code: CHEM Case No.: BG080823 SAS No.: BG080823 SDG NO.: BG080823EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 8 2023 12:00AMLab File ID: BG058634.D Time Analyzed: 09:31Instrument 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	50043	7.812	213371	10.62	155838	14.46
	UPPER LIMIT	100086	8.312	426742	11.115	311676	14.964
	LOWER LIMIT	25021.5	7.312	106685.5	10.115	77919	13.964
	EPA SAMPLE NO.						
01	PB154669BL	38817	7.81	160774	10.62	112785	14.46
02	PB154526BS	45507	7.81	204621	10.61	149776	14.46
03	PB154638BS	45222	7.81	202394	10.61	147602	14.46
04	PB154550BL	36983	7.81	154690	10.62	116388	14.46
05	PB154550BS	33127	7.81	142138	10.62	104317	14.46
06	B-PP04AB	33884	7.81	147093	10.62	116078	14.46
07	B-PP05B	37220	7.82	167032	10.62	132236	14.46
08	B-PP04AA	33898	7.81	152885	10.61	121382	14.46
09	MW-06	34713	7.81	156914	10.61	122815	14.46
10	MW-10W	31423	7.81	145995	10.62	116180	14.46
11	MW-01W	37864	7.81	179624	10.61	143337	14.46
12	MW-04W	38009	7.81	176794	10.61	137180	14.46
13	MW-05W	33008	7.81	159394	10.61	127234	14.46
14	PB154550BS	38933	7.81	180458	10.61	148698	14.46

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080823 SAS No.: BG080823 SDG NO.: BG080823

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 8 2023 12:00AM

Lab File ID: BG058514.D Time Analyzed: 09:31

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	383110	17.206	331305	21.448	421901	24.515
UPPER LIMIT	766220	17.706	662610	21.948	843802	25.015
LOWER LIMIT	191555	16.706	165652.5	20.948	210950.5	24.015
EPA SAMPLE NO.						
01 PB154669BL	300164	17.21	300376	21.45	363822	24.52
02 PB154526BS	368042	17.21	322897	21.45	409959	24.53
03 PB154638BS	363317	17.21	320713	21.45	405190	24.52
04 PB154550BL	311747	17.21	301417	21.45	365254	24.52
05 PB154550BS	269450	17.21	267127	21.44	322488	24.52
06 B-PP04AB	315912	17.21	283881	21.45	332289	24.52
07 B-PP05B	343782	17.20	311127	21.45	374796	24.52
08 B-PP04AA	314690	17.21	280330	21.45	338243	24.52
09 MW-06	326369	17.21	290772	21.45	350502	24.52
10 MW-10W	289914	17.21	258600	21.45	315664	24.52
11 MW-01W	342847	17.20	304502	21.45	369749	24.52
12 MW-04W	349961	17.20	308927	21.45	370953	24.52
13 MW-05W	324460	17.20	285178	21.45	345923	24.52
14 PB154550BS	388728	17.21	351578	21.45	422418	24.52

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080823 SAS No.: BG080823 SDG NO.: BG080823

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 8 2023 12:00AM

Lab File ID: BG058634.D Time Analyzed: 09:31

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	380055	17.207	331565	21.449	426338	24.522
UPPER LIMIT	760110	17.707	663130	21.949	852676	25.022
LOWER LIMIT	190027.5	16.707	165782.5	20.949	213169	24.022
EPA SAMPLE NO.						
01 PB154669BL	300164	17.21	300376	21.45	363822	24.52
02 PB154526BS	368042	17.21	322897	21.45	409959	24.53
03 PB154638BS	363317	17.21	320713	21.45	405190	24.52
04 PB154550BL	311747	17.21	301417	21.45	365254	24.52
05 PB154550BS	269450	17.21	267127	21.44	322488	24.52
06 B-PP04AB	315912	17.21	283881	21.45	332289	24.52
07 B-PP05B	343782	17.20	311127	21.45	374796	24.52
08 B-PP04AA	314690	17.21	280330	21.45	338243	24.52
09 MW-06	326369	17.21	290772	21.45	350502	24.52
10 MW-10W	289914	17.21	258600	21.45	315664	24.52
11 MW-01W	342847	17.20	304502	21.45	369749	24.52
12 MW-04W	349961	17.20	308927	21.45	370953	24.52
13 MW-05W	324460	17.20	285178	21.45	345923	24.52
14 PB154550BS	388728	17.21	351578	21.45	422418	24.52

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* Values outside of QC limits.



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154526BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	990	ug/Kg	58				10	147	
	Aniline	1700	1400	ug/Kg	82				38	100	
	Phenol	1700	1900	ug/Kg	112				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1900	ug/Kg	112				65	112	
	1,2-Dichlorobenzene	1700	1700	ug/Kg	100				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	2000	ug/Kg	118		*		42	116	
	2-Methylphenol	1700	1800	ug/Kg	106				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1700	ug/Kg	100				51	100	
	Acetophenone	1700	1600	ug/Kg	94				55	104	
	3+4-Methylphenols	1700	1800	ug/Kg	106				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	1100	ug/Kg	65				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1800	ug/Kg	106				67	110	
	4-Chloro-3-methylphenol	1700	1800	ug/Kg	106				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25200	ug/Kg	93				57	104	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB154526BS	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3300	ug/Kg	97				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1800	ug/Kg	106		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1900	ug/Kg	112				67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzo(a)pyrene	3300	2900	ug/Kg	88				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154550BS	n-Nitrosodimethylamine	490200	54400	ug/Kg	11		*		57	103	
	n-Nitrosodimethylamine	490200	38500	ug/Kg	8		*		57	103	
	Pyridine	490200	29100	ug/Kg	6		*		28	98	
	Pyridine	490200	38400	ug/Kg	8		*		28	98	
	Benzaldehyde	490200	44100	ug/Kg	9		*		10	147	
	Benzaldehyde	490200	0	ug/Kg	0		*		10	147	
	Aniline	490200	0	ug/Kg	0		*		38	100	
	Aniline	490200	38900	ug/Kg	8		*		38	100	
	Phenol	490200	57400	ug/Kg	12		*		62	112	
	Phenol	490200	45500	ug/Kg	9		*		62	112	
	bis(2-Chloroethyl)ether	490200	42600	ug/Kg	9		*		60	101	
	bis(2-Chloroethyl)ether	490200	52700	ug/Kg	11		*		60	101	
	2-Chlorophenol	490200	44400	ug/Kg	9		*		65	112	
	2-Chlorophenol	490200	53900	ug/Kg	11		*		65	112	
	1,2-Dichlorobenzene	490200	57800	ug/Kg	12		*		51	102	
	1,2-Dichlorobenzene	490200	43800	ug/Kg	9		*		51	102	
	1,3-Dichlorobenzene	490200	42600	ug/Kg	9		*		52	99	
	1,3-Dichlorobenzene	490200	58100	ug/Kg	12		*		52	99	
	1,4-Dichlorobenzene	490200	58700	ug/Kg	12		*		52	100	
	1,4-Dichlorobenzene	490200	42200	ug/Kg	9		*		52	100	
	Benzyl Alcohol	490200	46100	ug/Kg	9		*		42	116	
	Benzyl Alcohol	490200	40400	ug/Kg	8		*		42	116	
	2-Methylphenol	490200	42500	ug/Kg	9		*		61	108	
	2-Methylphenol	490200	51900	ug/Kg	11		*		61	108	
	2,2-oxybis(1-Chloropropane)	490200	56700	ug/Kg	12		*		51	100	
	2,2-oxybis(1-Chloropropane)	490200	43400	ug/Kg	9		*		51	100	
	Acetophenone	490200	36500	ug/Kg	7		*		55	104	
	Acetophenone	490200	51400	ug/Kg	10		*		55	104	
	3+4-Methylphenols	490200	51800	ug/Kg	11		*		58	111	
	3+4-Methylphenols	490200	42100	ug/Kg	9		*		58	111	
	N-Nitroso-di-n-propylamine	490200	51300	ug/Kg	10		*		63	95	
	N-Nitroso-di-n-propylamine	490200	41700	ug/Kg	9		*		63	95	
	Hexachloroethane	490200	40200	ug/Kg	8		*		72	108	
	Hexachloroethane	490200	57700	ug/Kg	12		*		72	108	
	Nitrobenzene	490200	47100	ug/Kg	10		*		57	101	
	Nitrobenzene	490200	36100	ug/Kg	7		*		57	101	
	Isophorone	490200	36800	ug/Kg	8		*		59	99	
	Isophorone	490200	47300	ug/Kg	10		*		59	99	
	2-Nitrophenol	490200	32300	ug/Kg	7		*		61	111	
	2-Nitrophenol	490200	44000	ug/Kg	9		*		61	111	
	2,4-Dimethylphenol	490200	47600	ug/Kg	10		*		67	119	
	2,4-Dimethylphenol	490200	38800	ug/Kg	8		*		67	119	
	bis(2-Chloroethoxy)methane	490200	49200	ug/Kg	10		*		53	105	
	bis(2-Chloroethoxy)methane	490200	37200	ug/Kg	8		*		53	105	
	2,4-Dichlorophenol	490200	38200	ug/Kg	8		*		62	107	
	2,4-Dichlorophenol	490200	49600	ug/Kg	10		*		62	107	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB154550BS	1,2,4-Trichlorobenzene	490200	51600	ug/Kg	11		*		44	110	
	1,2,4-Trichlorobenzene	490200	38600	ug/Kg	8		*		44	110	
	Benzoic acid	490200	0	ug/Kg	0		*		10	140	
	Benzoic acid	490200	69200	ug/Kg	14				10	140	
	Naphthalene	490200	39800	ug/Kg	8		*		62	100	
	Naphthalene	490200	53200	ug/Kg	11		*		62	100	
	4-Chloroaniline	490200	0	ug/Kg	0		*		16	100	
	4-Chloroaniline	490200	34200	ug/Kg	7		*		16	100	
	Hexachlorobutadiene	490200	52600	ug/Kg	11		*		53	98	
	Hexachlorobutadiene	490200	37700	ug/Kg	8		*		53	98	
	Caprolactam	490200	0	ug/Kg	0		*		67	110	
	Caprolactam	490200	38300	ug/Kg	8		*		67	110	
	4-Chloro-3-methylphenol	490200	40900	ug/Kg	8		*		58	112	
	4-Chloro-3-methylphenol	490200	46500	ug/Kg	9		*		58	112	
	2-Methylnaphthalene	490200	49500	ug/Kg	10		*		60	104	
	2-Methylnaphthalene	490200	38900	ug/Kg	8		*		60	104	
	Hexachlorocyclopentadiene	980400	103800	ug/Kg	11		*		45	134	
	Hexachlorocyclopentadiene	980400	86800	ug/Kg	9		*		45	134	
	2,4,6-Trichlorophenol	490200	34900	ug/Kg	7		*		59	102	
	2,4,6-Trichlorophenol	490200	44500	ug/Kg	9		*		59	102	
	2,4,5-Trichlorophenol	490200	42000	ug/Kg	9		*		61	98	
	2,4,5-Trichlorophenol	490200	35900	ug/Kg	7		*		61	98	
	1,1-Biphenyl	490200	36400	ug/Kg	7		*		57	103	
	1,1-Biphenyl	490200	51700	ug/Kg	11		*		57	103	
	2-Chloronaphthalene	490200	51800	ug/Kg	11		*		58	99	
	2-Chloronaphthalene	490200	37300	ug/Kg	8		*		58	99	
	2-Nitroaniline	490200	32000	ug/Kg	7		*		66	101	
	2-Nitroaniline	490200	44400	ug/Kg	9		*		66	101	
	Dimethylphthalate	490200	51200	ug/Kg	10		*		61	99	
	Dimethylphthalate	490200	38600	ug/Kg	8		*		61	99	
	Acenaphthylene	490200	39300	ug/Kg	8		*		63	101	
	Acenaphthylene	490200	52600	ug/Kg	11		*		63	101	
	2,6-Dinitrotoluene	490200	45700	ug/Kg	9		*		61	104	
	2,6-Dinitrotoluene	490200	34400	ug/Kg	7		*		61	104	
	3-Nitroaniline	490200	29500	ug/Kg	6		*		28	100	
	3-Nitroaniline	490200	36200	ug/Kg	7		*		28	100	
	Acenaphthene	490200	52200	ug/Kg	11		*		57	104	
	Acenaphthene	490200	38700	ug/Kg	8		*		57	104	
	Total PAH	7843200	823700	ug/Kg	11		*		57	104	
	Total PAH	7843200	566100	ug/Kg	7		*		57	104	
	2,4-Dinitrophenol	980400	83500	ug/Kg	9		*		37	128	
	2,4-Dinitrophenol	980400	100900	ug/Kg	10		*		37	128	
	4-Nitrophenol	980400	86600	ug/Kg	9		*		48	119	
	4-Nitrophenol	980400	75400	ug/Kg	8		*		48	119	
	Dibenzofuran	490200	53100	ug/Kg	11		*		63	99	
	Dibenzofuran	490200	40400	ug/Kg	8		*		63	99	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB154550BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	980400	72000	ug/Kg	7		*		60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotoluene	980400	90300	ug/Kg	9		*		60	106	
	2,4-Dinitrotoluene	490200	37600	ug/Kg	8		*		60	106	
	2,4-Dinitrotoluene	490200	44600	ug/Kg	9		*		60	106	
	Diethylphthalate	490200	52900	ug/Kg	11		*		60	101	
	Diethylphthalate	490200	40300	ug/Kg	8		*		60	101	
	4-Chlorophenyl-phenylether	490200	39100	ug/Kg	8		*		58	98	
	4-Chlorophenyl-phenylether	490200	53100	ug/Kg	11		*		58	98	
	Fluorene	490200	54100	ug/Kg	11		*		61	101	
	Fluorene	490200	41600	ug/Kg	8		*		61	101	
	4-Nitroaniline	490200	0	ug/Kg	0		*		64	103	
	4-Nitroaniline	490200	42000	ug/Kg	9		*		64	103	
	4,6-Dinitro-2-methylphenol	490200	30900	ug/Kg	6		*		76	113	
	4,6-Dinitro-2-methylphenol	490200		ug/Kg			*		76	113	
	N-Nitrosodiphenylamine	490200	48300	ug/Kg	10		*		56	107	
	N-Nitrosodiphenylamine	490200	37200	ug/Kg	8		*		56	107	
	Azobenzene	490200	39300	ug/Kg	8		*		54	103	
	Azobenzene	490200	50400	ug/Kg	10		*		54	103	
	4-Bromophenyl-phenylether	490200	46800	ug/Kg	10		*		55	99	
	4-Bromophenyl-phenylether	490200	35500	ug/Kg	7		*		55	99	
	Hexachlorobenzene	490200	53000	ug/Kg	11		*		64	98	
	Hexachlorobenzene	490200	38400	ug/Kg	8		*		64	98	
	Atrazine	490200	43900	ug/Kg	9		*		67	113	
	Atrazine	490200	58300	ug/Kg	12		*		67	113	
	Pentachlorophenol	980400	42500	ug/Kg	4		*		67	105	
	Pentachlorophenol	980400	38100	ug/Kg	4		*		67	105	
	Phenanthrene	490200	40400	ug/Kg	8		*		59	103	
	Phenanthrene	490200	53200	ug/Kg	11		*		59	103	
	Anthracene	490200	51100	ug/Kg	10		*		61	105	
	Anthracene	490200	37800	ug/Kg	8		*		61	105	
	Carbazole	490200	39100	ug/Kg	8		*		61	99	
	Carbazole	490200	54000	ug/Kg	11		*		61	99	
	Di-n-butylphthalate	490200	52600	ug/Kg	11		*		58	104	
	Di-n-butylphthalate	490200	36900	ug/Kg	8		*		58	104	
	Fluoranthene	490200	39400	ug/Kg	8		*		57	107	
	Fluoranthene	490200	55800	ug/Kg	11		*		57	107	
	Benidine	980400	85800	ug/Kg	9		*		10	98	
	Benidine	980400	0	ug/Kg	0		*		10	98	
	Pyrene	490200	37500	ug/Kg	8		*		59	103	
	Pyrene	490200	51000	ug/Kg	10		*		59	103	
	Butylbenzylphthalate	490200	43900	ug/Kg	9		*		55	103	
	Butylbenzylphthalate	490200	35200	ug/Kg	7		*		55	103	
	3,3-Dichlorobenzidine	490200	0	ug/Kg	0		*		42	91	
	3,3-Dichlorobenzidine	490200	0	ug/Kg	0		*		42	91	
	Benzo(a)anthracene	490200	50500	ug/Kg	10		*		60	102	
	Benzo(a)anthracene	490200	38100	ug/Kg	8		*		60	102	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154550BS	Chrysene	490200	36700	ug/Kg	7		*		59	101	
	Chrysene	490200	50800	ug/Kg	10		*		59	101	
	bis(2-Ethylhexyl)phthalate	490200	45100	ug/Kg	9		*		63	111	
	bis(2-Ethylhexyl)phthalate	490200	36100	ug/Kg	7		*		63	111	
	Di-n-octyl phthalate	490200	0	ug/Kg	0		*		70	108	
	Di-n-octyl phthalate	490200	44700	ug/Kg	9		*		70	108	
	Benzo(b)fluoranthene	490200	53200	ug/Kg	11		*		62	109	
	Benzo(b)fluoranthene	490200	38500	ug/Kg	8		*		62	109	
	Benzo(k)fluoranthene	490200	38900	ug/Kg	8		*		62	109	
	Benzo(k)fluoranthene	490200	51100	ug/Kg	10		*		62	109	
	Benzo(a)pyrene	490200	46900	ug/Kg	10		*		63	103	
	Benzo(a)pyrene	490200	35000	ug/Kg	7		*		63	103	
	Indeno(1,2,3-cd)pyrene	490200	0	ug/Kg	0		*		63	101	
	Indeno(1,2,3-cd)pyrene	490200	50000	ug/Kg	10		*		63	101	
	Dibenz(a,h)anthracene	490200	49400	ug/Kg	10		*		61	112	
	Dibenz(a,h)anthracene	490200	31600	ug/Kg	6		*		61	112	
	Benzo(g,h,i)perylene	490200	32800	ug/Kg	7		*		70	108	
	Benzo(g,h,i)perylene	490200	48600	ug/Kg	10		*		70	108	
	1,2,4,5-Tetrachlorobenzene	490200	48500	ug/Kg	10		*		53	101	
	1,2,4,5-Tetrachlorobenzene	490200	34700	ug/Kg	7		*		53	101	
	1,4-Dioxane	490200	38800	ug/Kg	8		*		50	96	
	1,4-Dioxane	490200	58400	ug/Kg	12		*		50	96	
	2,3,4,6-Tetrachlorophenol	490200	50100	ug/Kg	10		*		59	108	
	2,3,4,6-Tetrachlorophenol	490200	35600	ug/Kg	7		*		59	108	
	1-Methylnaphthalene	490200	39800	ug/Kg	8		*		70	130	
	1-Methylnaphthalene	490200	52500	ug/Kg	11		*		70	130	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154638BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	1000	ug/Kg	59				10	147	
	Aniline	1700	1300	ug/Kg	76				38	100	
	Phenol	1700	1900	ug/Kg	112				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1700	ug/Kg	100				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1700	ug/Kg	100				52	100	
	Benzyl Alcohol	1700	2000	ug/Kg	118		*		42	116	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1700	ug/Kg	100				51	100	
	Acetophenone	1700	1600	ug/Kg	94				55	104	
	3+4-Methylphenols	1700	1800	ug/Kg	106				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	1000	ug/Kg	59				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1800	ug/Kg	106				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3500	ug/Kg	106				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BG080823

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB154638BS	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3300	ug/Kg	97				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1900	ug/Kg	112				67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1700	ug/Kg	100		*		61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	2900	ug/Kg	88				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154526BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080823SAS No.: BG080823 SDG NO.: BG080823Lab File ID: BG058636.DLab Sample ID: PB154526BSInstrument ID: BNA_GDate Extracted: 07/31/2023Matrix: (soil/water) SolidDate Analyzed: 08/08/2023Level: (low/med) LOWTime Analyzed: 10:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154526BS	PB154526BS	BG058636.D	08/08/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154550BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080823SAS No.: BG080823 SDG NO.: BG080823Lab File ID: BG058638.DLab Sample ID: PB154550BLInstrument ID: BNA_GDate Extracted: 07/31/2023Matrix: (soil/water) SolidDate Analyzed: 08/08/2023Level: (low/med) LOWTime Analyzed: 11:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154550BS	PB154550BS	BG058639.D	08/08/2023
PB154550BS	PB154550BS	BG058648.D	08/08/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154638BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080823SAS No.: BG080823 SDG NO.: BG080823Lab File ID: BG058637.DLab Sample ID: PB154638BSInstrument ID: BNA_GDate Extracted: 08/04/2023Matrix: (soil/water) SolidDate Analyzed: 08/08/2023Level: (low/med) LOWTime Analyzed: 10:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154638BS	PB154638BS	BG058637.D	08/08/2023
MW-06	O3903-06	BG058643.D	08/08/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MW-10W

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080823SAS No.: BG080823 SDG NO.: BG080823Lab File ID: BG058644.DLab Sample ID: O3903-20Instrument ID: BNA_GDate Extracted: 08/04/2023Matrix: (soil/water) WaterDate Analyzed: 08/08/2023Level: (low/med) LOWTime Analyzed: 15:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-10W	O3903-20	BG058644.D	08/08/2023
MW-01W	O3903-12	BG058645.D	08/08/2023
MW-04W	O3903-14	BG058646.D	08/08/2023
MW-05W	O3903-15	BG058647.D	08/08/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154669BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080823SAS No.: BG080823 SDG NO.: BG080823Lab File ID: BG058635.DLab Sample ID: PB154669BLInstrument ID: BNA_GDate Extracted: 08/07/2023Matrix: (soil/water) SolidDate Analyzed: 08/08/2023Level: (low/med) LOWTime Analyzed: 09:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-PP04AB	03917-02	BG058640.D	08/08/2023
B-PP05B	03917-04	BG058641.D	08/08/2023
B-PP04AA	03917-01	BG058642.D	08/08/2023

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BG080823

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154526BS	PB154526BS	BG058636.D	2-Fluorophenol	150	150.18	100		18	112
			Phenol-d6	150	150.49	100		15	107
			Nitrobenzene-d5	100	88.67	89		18	107
			2-Fluorobiphenyl	100	86.82	87		20	109
			2,4,6-Tribromophenol	150	133.74	89		10	110
			Terphenyl-d14	100	94.17	94		14	112



Surrogate Summary
SW-846

SDG No.: BG080823

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154550BL	PB154550BL	BG058638.D	2-Fluorophenol	150	134.76	90		18	112
			Phenol-d6	150	125.60	84		15	107
			Nitrobenzene-d5	100	76.13	76		18	107
			2-Fluorobiphenyl	100	89.15	89		20	109
			2,4,6-Tribromophenol	150	107.00	71		10	110
			Terphenyl-d14	100	97.33	97		14	112
PB154550BS	PB154550BS	BG058639.D	2-Fluorophenol	150	159.22	106		18	112
		BG058648.D	2-Fluorophenol	150	121.86	81		18	112
			Phenol-d6	150	127.99	85		15	107
		BG058639.D	Phenol-d6	150	156.79	105		15	107
			Nitrobenzene-d5	100	94.55	95		18	107
		BG058648.D	Nitrobenzene-d5	100	73.49	73		18	107
			2-Fluorobiphenyl	100	76.04	76		20	109
		BG058639.D	2-Fluorobiphenyl	100	105.27	105		20	109
			2,4,6-Tribromophenol	150	138.67	92		10	110
		BG058648.D	2,4,6-Tribromophenol	150	109.68	73		10	110
			Terphenyl-d14	100	82.40	82		14	112
		BG058639.D	Terphenyl-d14	100	113.42	113	*	14	112



Surrogate Summary
SW-846

SDG No.: BG080823

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3903-06	MW-06	BG058643.D	2-Fluorophenol	150	100.74	67		18	112
			Phenol-d6	150	103.45	69		15	107
			Nitrobenzene-d5	100	59.23	59		18	107
			2-Fluorobiphenyl	100	57.71	58		20	109
			2,4,6-Tribromophenol	150	89.30	60		10	110
			Terphenyl-d14	100	60.75	61		14	112
PB154638BS	PB154638BS	BG058637.D	2-Fluorophenol	150	148.91	99		18	112
			Phenol-d6	150	148.98	99		15	107
			Nitrobenzene-d5	100	89.38	89		18	107
			2-Fluorobiphenyl	100	87.03	87		20	109
			2,4,6-Tribromophenol	150	136.60	91		10	110
			Terphenyl-d14	100	95.04	95		14	112

Surrogate Summary

SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3903-12	MW-01W	BG058645.D	2-Fluorophenol	150	71.15	47		10	139
			Phenol-d6	150	47.53	32		10	134
			Nitrobenzene-d5	100	86.62	87		49	133
			2-Fluorobiphenyl	100	84.00	84		52	132
			2,4,6-Tribromophenol	150	124.63	83		32	145
			Terphenyl-d14	100	81.48	81		36	145
O3903-14	MW-04W	BG058646.D	2-Fluorophenol	150	62.78	42		10	139
			Phenol-d6	150	40.33	27		10	134
			Nitrobenzene-d5	100	79.74	80		49	133
			2-Fluorobiphenyl	100	76.99	77		52	132
			2,4,6-Tribromophenol	150	118.10	79		32	145
			Terphenyl-d14	100	79.12	79		36	145
O3903-15	MW-05W	BG058647.D	2-Fluorophenol	150	71.05	47		10	139
			Phenol-d6	150	45.73	30		10	134
			Nitrobenzene-d5	100	91.98	92		49	133
			2-Fluorobiphenyl	100	89.50	90		52	132
			2,4,6-Tribromophenol	150	129.27	86		32	145
			Terphenyl-d14	100	87.05	87		36	145
O3903-20	MW-10W	BG058644.D	2-Fluorophenol	150	66.40	44		10	139
			Phenol-d6	150	41.90	28		10	134
			Nitrobenzene-d5	100	88.36	88		49	133
			2-Fluorobiphenyl	100	87.78	88		52	132
			2,4,6-Tribromophenol	150	122.72	82		32	145
			Terphenyl-d14	100	87.06	87		36	145

Surrogate Summary

SW-846

SDG No.: BG080823

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3917-01	B-PP04AA	BG058642.D	2-Fluorophenol	150	109.57	73		18	112
			Phenol-d6	150	114.28	76		15	107
			Nitrobenzene-d5	100	65.52	66		18	107
			2-Fluorobiphenyl	100	63.85	64		20	109
			2,4,6-Tribromophenol	150	98.30	66		10	110
			Terphenyl-d14	100	69.02	69		14	112
O3917-02	B-PP04AB	BG058640.D	2-Fluorophenol	150	79.40	53		18	112
			Phenol-d6	150	80.47	54		15	107
			Nitrobenzene-d5	100	47.07	47		18	107
			2-Fluorobiphenyl	100	43.24	43		20	109
			2,4,6-Tribromophenol	150	73.43	49		10	110
			Terphenyl-d14	100	47.96	48		14	112
O3917-04	B-PP05B	BG058641.D	2-Fluorophenol	150	96.60	64		18	112
			Phenol-d6	150	99.55	66		15	107
			Nitrobenzene-d5	100	56.46	56		18	107
			2-Fluorobiphenyl	100	56.92	57		20	109
			2,4,6-Tribromophenol	150	84.25	56		10	110
			Terphenyl-d14	100	60.97	61		14	112
PB154669BL	PB154669BL	BG058635.D	2-Fluorophenol	150	149.35	100		18	112
			Phenol-d6	150	144.69	96		15	107
			Nitrobenzene-d5	100	91.09	91		18	107
			2-Fluorobiphenyl	100	92.50	93		20	109
			2,4,6-Tribromophenol	150	133.93	89		10	110
			Terphenyl-d14	100	97.06	97		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BG080823Lab Code: CHEMSAS No.: BG080823 SDG NO.: BG080823Lab File ID: BG058633.DDFTPP Injection Date: 08/08/2023Instrument ID: BNA_GDFTPP Injection Time: 08:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	33.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	78.8
443	15.0 - 24.0% of mass 442	15.5 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG058634.D	08/08/2023	08:50
PB154669BL	PB154669BL	BG058635.D	08/08/2023	09:31
PB154526BS	PB154526BS	BG058636.D	08/08/2023	10:12
PB154638BS	PB154638BS	BG058637.D	08/08/2023	10:53
PB154550BL	PB154550BL	BG058638.D	08/08/2023	11:34
PB154550BS	PB154550BS	BG058639.D	08/08/2023	12:16
B-PP04AB	O3917-02	BG058640.D	08/08/2023	13:01
B-PP05B	O3917-04	BG058641.D	08/08/2023	13:42
B-PP04AA	O3917-01	BG058642.D	08/08/2023	14:24
MW-06	O3903-06	BG058643.D	08/08/2023	15:06
MW-10W	O3903-20	BG058644.D	08/08/2023	15:47
MW-01W	O3903-12	BG058645.D	08/08/2023	16:28
MW-04W	O3903-14	BG058646.D	08/08/2023	17:10
MW-05W	O3903-15	BG058647.D	08/08/2023	17:51
PB154550BS	PB154550BS	BG058648.D	08/08/2023	18:32