

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080423 SAS No.: BG080423 SDG No.: BG080423

Instrument ID: BNA_G Calibration Date/Time: 8/4/2023 12:08:38

Lab File ID: BG058602.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	0.681		-6.967	
Pyridine	1.729	1.675		-3.123	
2-Fluorophenol	1.309	1.245		-4.889	
Benzaldehyde	0.989	0.916		-7.381	
Aniline	2.242	2.229		-0.58	
Phenol-d6	1.821	1.797		-1.318	
Phenol	1.779	1.743		-2.024	20.0
bis(2-Chloroethyl)ether	1.402	1.387		-1.07	
2-Chlorophenol	1.284	1.261		-1.791	
1,2-Dichlorobenzene	1.316	1.261		-4.179	
1,3-Dichlorobenzene	1.371	1.299		-5.252	
1,4-Dichlorobenzene	1.376	1.317		-4.288	20.0
Benzyl Alcohol	1.155	1.287		11.429	
2-Methylphenol	1.300	1.302		0.154	
2,2-oxybis(1-Chloropropane)	2.278	2.308		1.317	
Acetophenone	0.536	0.519		-3.172	
3+4-Methylphenols	1.759	1.825		3.752	
n-Nitroso-di-n-propylamine	1.176	1.214	0.050	3.231	
Nitrobenzene-d5	0.407	0.392		-3.686	
Hexachloroethane	0.500	0.485		-3.0	
Nitrobenzene	0.414	0.395		-4.589	
Isophorone	0.841	0.815		-3.092	
2-Nitrophenol	0.180	0.176		-2.222	20.0
2,4-Dimethylphenol	0.299	0.293		-2.007	
bis(2-Chloroethoxy)methane	0.458	0.452		-1.31	
2,4-Dichlorophenol	0.310	0.300		-3.226	20.0
1,2,4-Trichlorobenzene	0.358	0.334		-6.704	
Benzoic acid	0.207	0.215		3.865	
Naphthalene	1.054	0.998		-5.313	
4-Chloroaniline	0.445	0.451		1.348	
Hexachlorobutadiene	0.230	0.215		-6.522	20.0
Caprolactam	0.115	0.114		-0.87	
4-Chloro-3-methylphenol	0.384	0.368		-4.167	20.0
2-Methylnaphthalene	0.754	0.720		-4.509	
Hexachlorocyclopentadiene	0.236	0.236	0.050	0.0	
2,4,6-Trichlorophenol	0.422	0.409		-3.081	20.0
2-Fluorobiphenyl	1.335	1.278		-4.27	
2,4,5-Trichlorophenol	0.497	0.470		-5.433	
1,1-Biphenyl	1.374	1.317		-4.148	
2-Chloronaphthalene	1.071	1.035		-3.361	
2-Nitroaniline	0.409	0.404		-1.222	



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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.502	1.454		-3.196	
Acenaphthylene	1.793	1.702		-5.075	
2,6-Dinitrotoluene	0.330	0.321		-2.727	
3-Nitroaniline	0.330	0.330		0.0	
Acenaphthene	1.036	0.992		-4.247	20.0
2,4-Dinitrophenol	0.150	0.164	0.050	9.333	
4-Nitrophenol	0.222	0.227	0.050	2.252	
Dibenzofuran	1.780	1.691		-5.0	
2,4-Dinitrotoluene	0.457	0.450		-1.532	
Diethylphthalate	1.530	1.489		-2.68	
4-Chlorophenyl-phenylether	0.788	0.748		-5.076	
Fluorene	1.414	1.336		-5.516	
4-Nitroaniline	0.312	0.335		7.372	
4,6-Dinitro-2-methylphenol	0.110	0.114		3.636	
n-Nitrosodiphenylamine	0.521	0.499		-4.223	20.0
Azobenzene	1.507	1.442		-4.313	
2,4,6-Tribromophenol	0.328	0.309		-5.793	
4-Bromophenyl-phenylether	0.227	0.213		-6.167	
Hexachlorobenzene	0.240	0.224		-6.667	
Atrazine	0.176	0.174		-1.136	
Pentachlorophenol	0.145	0.141		-2.759	20.0
Phenanthrene	0.948	0.892		-5.907	
Anthracene	0.973	0.919		-5.55	
Carbazole	0.858	0.852		-0.699	
Di-n-butylphthalate	1.075	1.089		1.302	
Fluoranthene	1.139	1.117		-1.932	20.0
Benzidine	0.303	0.393		29.703	
Pyrene	1.361	1.298		-4.629	
Terphenyl-d14	1.064	1.022		-3.947	
Butylbenzylphthalate	0.559	0.551		-1.431	
3,3-Dichlorobenzidine	0.465	0.467		0.43	
Benzo(a)anthracene	1.376	1.325		-3.706	
Chrysene	1.320	1.270		-3.788	
Bis(2-ethylhexyl)phthalate	0.817	0.812		-0.612	
Di-n-octyl phthalate	1.436	1.438		0.139	20.0
Benzo(b)fluoranthene	1.085	1.070		-1.382	
Benzo(k)fluoranthene	1.090	1.050		-3.67	
Benzo(a)pyrene	1.065	1.039		-2.441	20.0
Indeno(1,2,3-cd)pyrene	1.331	1.295		-2.705	
Dibenzo(a,h)anthracene	1.100	1.068		-2.909	
Benzo(g,h,i)perylene	1.103	1.074		-2.629	



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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.614	0.588		-4.235	
1,4-Dioxane	0.634	0.568		-10.41	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.407		-4.009	
1-Methylnaphthalene	0.717	0.673		-6.137	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BL	SDG No.:	BG080423
Lab Sample ID:	PB154462BL	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
BG058603.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

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:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BL	SDG No.:	BG080423
Lab Sample ID:	PB154462BL	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
BG058603.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

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:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BL	SDG No.:	BG080423
Lab Sample ID:	PB154462BL	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
BG058603.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

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	150.109		18-112		100	SPK: -150
13127-88-3	Phenol-d6	144.964		15-107		97	SPK: -150
4165-60-0	Nitrobenzene-d5	92.703		18-107		93	SPK: -100
321-60-8	2-Fluorobiphenyl	94.311		20-109		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.408		10-110		90	SPK: -150
1718-51-0	Terphenyl-d14	96.52		14-112		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40637	7.814				
1146-65-2	Naphthalene-d8	168073	10.617				
15067-26-2	Acenaphthene-d10	117180	14.459				
1517-22-2	Phenanthrene-d10	300073	17.209				
1719-03-5	Chrysene-d12	300839	21.445				
1520-96-3	Perylene-d12	367157	24.518				



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

Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BL	SDG No.:	BG080423
Lab Sample ID:	PB154462BL	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
BG058603.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	COMP-1	SDG No.:	BG080423
Lab Sample ID:	O3877-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058604.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.7	U	50.7	180	220	ug/Kg
110-86-1	Pyridine	47.5	U	47.5	85.2	110	ug/Kg
100-52-7	Benzaldehyde	97	U	97	180	220	ug/Kg
62-53-3	Aniline	76.7	U	76.7	85.2	110	ug/Kg
108-95-2	Phenol	48.8	U	48.8	85.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.9	U	58.9	85.2	110	ug/Kg
95-57-8	2-Chlorophenol	47.2	U	47.2	85.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.6	U	53.6	85.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58	U	58	85.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54	U	54	85.2	110	ug/Kg
100-51-6	Benzyl Alcohol	64.8	U	64.8	180	220	ug/Kg
95-48-7	2-Methylphenol	74.7	U	74.7	85.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	68.8	U	68.8	85.2	110	ug/Kg
98-86-2	Acetophenone	56.8	U	56.8	85.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	70.8	U	70.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.7	U	38.7	52.4	52.4	ug/Kg
67-72-1	Hexachloroethane	48.2	U	48.2	85.2	110	ug/Kg
98-95-3	Nitrobenzene	49.3	U	49.3	85.2	110	ug/Kg
78-59-1	Isophorone	44.6	U	44.6	85.2	110	ug/Kg
88-75-5	2-Nitrophenol	62.3	U	62.3	85.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.3	U	65.3	85.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	73.4	U	73.4	85.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	85.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.8	U	50.8	85.2	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.4	U	53.4	85.2	110	ug/Kg
106-47-8	4-Chloroaniline	68.8	U	68.8	85.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.1	U	55.1	85.2	110	ug/Kg
105-60-2	Caprolactam	76.7	U	76.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.1	U	54.1	85.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.2	U	62.2	85.2	110	ug/Kg

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:	COMP-1	SDG No.:	BG080423
Lab Sample ID:	O3877-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.07	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
BG058604.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.5	U	50.5	85.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.6	U	57.6	85.2	110	ug/Kg
92-52-4	1,1-Biphenyl	59.9	U	59.9	85.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.5	U	55.5	85.2	110	ug/Kg
88-74-4	2-Nitroaniline	65.1	U	65.1	85.2	110	ug/Kg
131-11-3	Dimethylphthalate	58.3	U	58.3	85.2	110	ug/Kg
208-96-8	Acenaphthylene	57.9	U	57.9	85.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59	U	59	85.2	110	ug/Kg
99-09-2	3-Nitroaniline	61.2	U	61.2	85.2	110	ug/Kg
83-32-9	Acenaphthene	52.6	U	52.6	85.2	110	ug/Kg
Total PAH	Total PAH	942.1	U	942.1	85.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	74.7	U	74.7	180	220	ug/Kg
132-64-9	Dibenzofuran	50.4	U	50.4	85.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	24.5	U	124.5	85.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	65.5	U	65.5	85.2	110	ug/Kg
84-66-2	Diethylphthalate	56.3	U	56.3	85.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.3	U	59.3	85.2	110	ug/Kg
86-73-7	Fluorene	55.6	U	55.6	85.2	110	ug/Kg
100-01-6	4-Nitroaniline	68.2	U	68.2	85.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57.6	U	57.6	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.2	U	61.2	85.2	110	ug/Kg
103-33-3	Azobenzene	48.2	U	48.2	85.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.8	U	63.8	85.2	110	ug/Kg
118-74-1	Hexachlorobenzene	64.8	U	64.8	85.2	110	ug/Kg
1912-24-9	Atrazine	62.5	U	62.5	85.2	110	ug/Kg
87-86-5	Pentachlorophenol	72.8	U	72.8	180	220	ug/Kg
85-01-8	Phenanthrene	60.8	U	60.8	85.2	110	ug/Kg
120-12-7	Anthracene	66.9	U	66.9	85.2	110	ug/Kg
86-74-8	Carbazole	55.7	U	55.7	85.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.2	U	68.2	85.2	110	ug/Kg
206-44-0	Fluoranthene	61.9	U	61.9	85.2	110	ug/Kg

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:	COMP-1	SDG No.:	BG080423
Lab Sample ID:	O3877-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058604.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	54.9	U	54.9	85.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	67.5	U	67.5	85.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	55	U	55	85.2	110	ug/Kg
218-01-9	Chrysene	56.9	U	56.9	85.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75.4	U	75.4	85.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	80.6	U	80.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.6	U	52.6	85.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.8	U	57.8	85.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.8	U	61.8	85.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.1	U	70.1	85.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.3	U	63.3	85.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60.6	U	60.6	85.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.6	U	58.6	85.2	110	ug/Kg
123-91-1	1,4-Dioxane	76.7	U	76.7	85.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.3	U	54.3	85.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.1	U	59.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.81		18-112		51	SPK: -150
13127-88-3	Phenol-d6	75.705		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	47.013		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	49.025		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.242		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	50.887		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53258	7.811				
1146-65-2	Naphthalene-d8	231685	10.614				
15067-26-2	Acenaphthene-d10	156275	14.462				
1517-22-2	Phenanthrene-d10	343527	17.206				
1719-03-5	Chrysene-d12	303783	21.448				
1520-96-3	Perylene-d12	373565	24.521				



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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:	COMP-1	SDG No.:	BG080423
Lab Sample ID:	O3877-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058604.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	81.7	J			15.819	
000057-10-3	n-Hexadecanoic acid	71	J			18.093	

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:	COMP-2	SDG No.:	BG080423
Lab Sample ID:	O3877-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.02	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
BG058605.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.7	U	50.7	180	220	ug/Kg
110-86-1	Pyridine	47.5	U	47.5	85.3	110	ug/Kg
100-52-7	Benzaldehyde	97.1	U	97.1	180	220	ug/Kg
62-53-3	Aniline	76.8	U	76.8	85.3	110	ug/Kg
108-95-2	Phenol	48.8	U	48.8	85.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.9	U	58.9	85.3	110	ug/Kg
95-57-8	2-Chlorophenol	47.2	U	47.2	85.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.6	U	53.6	85.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.1	U	58.1	85.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.1	U	54.1	85.3	110	ug/Kg
100-51-6	Benzyl Alcohol	64.8	U	64.8	180	220	ug/Kg
95-48-7	2-Methylphenol	74.8	U	74.8	85.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	68.9	U	68.9	85.3	110	ug/Kg
98-86-2	Acetophenone	56.9	U	56.9	85.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	70.9	U	70.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.7	U	38.7	52.5	52.5	ug/Kg
67-72-1	Hexachloroethane	48.3	U	48.3	85.3	110	ug/Kg
98-95-3	Nitrobenzene	49.3	U	49.3	85.3	110	ug/Kg
78-59-1	Isophorone	44.7	U	44.7	85.3	110	ug/Kg
88-75-5	2-Nitrophenol	62.4	U	62.4	85.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.4	U	65.4	85.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	73.5	U	73.5	85.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	85.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.9	U	50.9	85.3	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.4	U	53.4	85.3	110	ug/Kg
106-47-8	4-Chloroaniline	68.9	U	68.9	85.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.1	U	55.1	85.3	110	ug/Kg
105-60-2	Caprolactam	76.8	U	76.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.1	U	54.1	85.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.3	U	62.3	85.3	110	ug/Kg

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:	COMP-2	SDG No.:	BG080423
Lab Sample ID:	O3877-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.02	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
BG058605.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.6	U	50.6	85.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.7	U	57.7	85.3	110	ug/Kg
92-52-4	1,1-Biphenyl	59.9	U	59.9	85.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.5	U	55.5	85.3	110	ug/Kg
88-74-4	2-Nitroaniline	65.2	U	65.2	85.3	110	ug/Kg
131-11-3	Dimethylphthalate	58.3	U	58.3	85.3	110	ug/Kg
208-96-8	Acenaphthylene	58	U	58	85.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.1	U	59.1	85.3	110	ug/Kg
99-09-2	3-Nitroaniline	61.3	U	61.3	85.3	110	ug/Kg
83-32-9	Acenaphthene	52.7	U	52.7	85.3	110	ug/Kg
Total PAH	Total PAH	942.9	U	942.9	85.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	74.8	U	74.8	180	220	ug/Kg
132-64-9	Dibenzofuran	50.5	U	50.5	85.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	65.6	U	65.6	85.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	24.7	U	124.7	85.3	220	ug/Kg
84-66-2	Diethylphthalate	56.4	U	56.4	85.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.3	U	59.3	85.3	110	ug/Kg
86-73-7	Fluorene	55.6	U	55.6	85.3	110	ug/Kg
100-01-6	4-Nitroaniline	68.2	U	68.2	85.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57.6	U	57.6	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.2	U	61.2	85.3	110	ug/Kg
103-33-3	Azobenzene	48.2	U	48.2	85.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.9	U	63.9	85.3	110	ug/Kg
118-74-1	Hexachlorobenzene	64.8	U	64.8	85.3	110	ug/Kg
1912-24-9	Atrazine	62.6	U	62.6	85.3	110	ug/Kg
87-86-5	Pentachlorophenol	72.8	U	72.8	180	220	ug/Kg
85-01-8	Phenanthrene	60.8	U	60.8	85.3	110	ug/Kg
120-12-7	Anthracene	66.9	U	66.9	85.3	110	ug/Kg
86-74-8	Carbazole	55.7	U	55.7	85.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.2	U	68.2	85.3	110	ug/Kg
206-44-0	Fluoranthene	61.9	U	61.9	85.3	110	ug/Kg

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:	COMP-2	SDG No.:	BG080423
Lab Sample ID:	O3877-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058605.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	54.9	U	54.9	85.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	67.6	U	67.6	85.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	55.1	U	55.1	85.3	110	ug/Kg
218-01-9	Chrysene	57	U	57	85.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75.5	U	75.5	85.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	80.7	U	80.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.7	U	52.7	85.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.8	U	57.8	85.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.9	U	61.9	85.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.2	U	70.2	85.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.3	U	63.3	85.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60.7	U	60.7	85.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.7	U	58.7	85.3	110	ug/Kg
123-91-1	1,4-Dioxane	76.8	U	76.8	85.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.4	U	54.4	85.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.2	U	59.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.708		18-112		52	SPK: -150
13127-88-3	Phenol-d6	76.913		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	48.477		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	51.846		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.824		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	52.8		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52026	7.812				
1146-65-2	Naphthalene-d8	222996	10.614				
15067-26-2	Acenaphthene-d10	147605	14.463				
1517-22-2	Phenanthrene-d10	340069	17.206				
1719-03-5	Chrysene-d12	303748	21.449				
1520-96-3	Perylene-d12	372236	24.521				



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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:	COMP-2	SDG No.:	BG080423
Lab Sample ID:	O3877-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058605.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	86.2	J			15.82	
000057-10-3	n-Hexadecanoic acid	67.2	J			18.094	

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:	COMP-3	SDG No.:	BG080423
Lab Sample ID:	O3877-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.01	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
BG058606.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.1	U	51.1	180	220	ug/Kg
110-86-1	Pyridine	47.8	U	47.8	85.9	110	ug/Kg
100-52-7	Benzaldehyde	97.8	U	97.8	180	220	ug/Kg
62-53-3	Aniline	77.3	U	77.3	85.9	110	ug/Kg
108-95-2	Phenol	49.2	U	49.2	85.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.3	U	59.3	85.9	110	ug/Kg
95-57-8	2-Chlorophenol	47.6	U	47.6	85.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54	U	54	85.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.5	U	58.5	85.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.4	U	54.4	85.9	110	ug/Kg
100-51-6	Benzyl Alcohol	65.3	U	65.3	180	220	ug/Kg
95-48-7	2-Methylphenol	75.3	U	75.3	85.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	69.4	U	69.4	85.9	110	ug/Kg
98-86-2	Acetophenone	57.3	U	57.3	85.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	71.4	U	71.4	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39	U	39	52.9	52.9	ug/Kg
67-72-1	Hexachloroethane	48.6	U	48.6	85.9	110	ug/Kg
98-95-3	Nitrobenzene	49.7	U	49.7	85.9	110	ug/Kg
78-59-1	Isophorone	45	U	45	85.9	110	ug/Kg
88-75-5	2-Nitrophenol	62.8	U	62.8	85.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.8	U	65.8	85.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	74	U	74	85.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.6	U	51.6	85.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	85.9	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.8	U	53.8	85.9	110	ug/Kg
106-47-8	4-Chloroaniline	69.4	U	69.4	85.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.5	U	55.5	85.9	110	ug/Kg
105-60-2	Caprolactam	77.3	U	77.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.5	U	54.5	85.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.7	U	62.7	85.9	110	ug/Kg

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:	COMP-3	SDG No.:	BG080423
Lab Sample ID:	O3877-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.01 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
BG058606.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.9	U	50.9	85.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.1	U	58.1	85.9	110	ug/Kg
92-52-4	1,1-Biphenyl	60.3	U	60.3	85.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.9	U	55.9	85.9	110	ug/Kg
88-74-4	2-Nitroaniline	65.6	U	65.6	85.9	110	ug/Kg
131-11-3	Dimethylphthalate	58.7	U	58.7	85.9	110	ug/Kg
208-96-8	Acenaphthylene	58.4	U	58.4	85.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.5	U	59.5	85.9	110	ug/Kg
99-09-2	3-Nitroaniline	61.7	U	61.7	85.9	110	ug/Kg
83-32-9	Acenaphthene	53.1	U	53.1	85.9	110	ug/Kg
Total PAH	Total PAH	949.5	U	949.5	85.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.3	U	75.3	180	220	ug/Kg
132-64-9	Dibenzofuran	50.8	U	50.8	85.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	66	U	66	85.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	25.5	U	125.5	85.9	220	ug/Kg
84-66-2	Diethylphthalate	56.8	U	56.8	85.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.7	U	59.7	85.9	110	ug/Kg
86-73-7	Fluorene	56	U	56	85.9	110	ug/Kg
100-01-6	4-Nitroaniline	68.7	U	68.7	85.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58	U	58	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.6	U	61.6	85.9	110	ug/Kg
103-33-3	Azobenzene	48.6	U	48.6	85.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.3	U	64.3	85.9	110	ug/Kg
118-74-1	Hexachlorobenzene	65.3	U	65.3	85.9	110	ug/Kg
1912-24-9	Atrazine	63	U	63	85.9	110	ug/Kg
87-86-5	Pentachlorophenol	73.3	U	73.3	180	220	ug/Kg
85-01-8	Phenanthrene	61.2	U	61.2	85.9	110	ug/Kg
120-12-7	Anthracene	67.4	U	67.4	85.9	110	ug/Kg
86-74-8	Carbazole	56.1	U	56.1	85.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.7	U	68.7	85.9	110	ug/Kg
206-44-0	Fluoranthene	62.4	U	62.4	85.9	110	ug/Kg

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:	COMP-3	SDG No.:	BG080423
Lab Sample ID:	O3877-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058606.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	55.3	U	55.3	85.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	68	U	68	85.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	55.4	U	55.4	85.9	110	ug/Kg
218-01-9	Chrysene	57.3	U	57.3	85.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76	U	76	85.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	81.3	U	81.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.1	U	53.1	85.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.2	U	58.2	85.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.3	U	62.3	85.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.7	U	70.7	85.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.8	U	63.8	85.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61.1	U	61.1	85.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.1	U	59.1	85.9	110	ug/Kg
123-91-1	1,4-Dioxane	77.3	U	77.3	85.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.8	U	54.8	85.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.6	U	59.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.15		18-112		77	SPK: -150
13127-88-3	Phenol-d6	115.079		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	71.75		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	70.802		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.444		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	72.5		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52080	7.811				
1146-65-2	Naphthalene-d8	225357	10.613				
15067-26-2	Acenaphthene-d10	154264	14.462				
1517-22-2	Phenanthrene-d10	343621	17.206				
1719-03-5	Chrysene-d12	306498	21.448				
1520-96-3	Perylene-d12	375370	24.521				



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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:	COMP-3	SDG No.:	BG080423
Lab Sample ID:	O3877-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058606.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	70.5	A			4.908	
000119-61-9	Benzophenone	130	J			15.819	
000057-10-3	n-Hexadecanoic acid	140	J			18.099	
074685-33-9	3-Eicosene, (E)-	53.7	J			21.136	

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:	COMP-3MS	SDG No.:	BG080423
Lab Sample ID:	O3877-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058607.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	950		51	180	220	ug/Kg
110-86-1	Pyridine	750		47.8	85.8	110	ug/Kg
100-52-7	Benzaldehyde	820		97.6	180	220	ug/Kg
62-53-3	Aniline	680		77.2	85.8	110	ug/Kg
108-95-2	Phenol	1100		49.1	85.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		59.2	85.8	110	ug/Kg
95-57-8	2-Chlorophenol	1100		47.5	85.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		53.9	85.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		58.4	85.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		54.4	85.8	110	ug/Kg
100-51-6	Benzyl Alcohol	1200		65.2	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		75.2	85.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		69.3	85.8	110	ug/Kg
98-86-2	Acetophenone	970		57.2	85.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		71.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	960		38.9	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	1100		48.6	85.8	110	ug/Kg
98-95-3	Nitrobenzene	950		49.6	85.8	110	ug/Kg
78-59-1	Isophorone	900		44.9	85.8	110	ug/Kg
88-75-5	2-Nitrophenol	1000		62.7	85.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	970		65.7	85.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	960		73.9	85.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		51.5	85.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		51.1	85.8	110	ug/Kg
65-85-0	Benzoic acid	1000		140	180	220	ug/Kg
91-20-3	Naphthalene	970		53.7	85.8	110	ug/Kg
106-47-8	4-Chloroaniline	580		69.3	85.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	970		55.4	85.8	110	ug/Kg
105-60-2	Caprolactam	980		77.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		54.4	85.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	940		62.6	85.8	110	ug/Kg

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:	COMP-3MS	SDG No.:	BG080423
Lab Sample ID:	O3877-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058607.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		50.9	85.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		58	85.8	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		60.2	85.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		55.8	85.8	110	ug/Kg
88-74-4	2-Nitroaniline	1000		65.5	85.8	110	ug/Kg
131-11-3	Dimethylphthalate	920		58.7	85.8	110	ug/Kg
208-96-8	Acenaphthylene	1000		58.3	85.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	970		59.4	85.8	110	ug/Kg
99-09-2	3-Nitroaniline	800		61.6	85.8	110	ug/Kg
83-32-9	Acenaphthene	980		53	85.8	110	ug/Kg
Total PAH	Total PAH	15760		948.2	85.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	75.2	180	220	ug/Kg
132-64-9	Dibenzofuran	960		50.7	85.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		125.3	85.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	980		65.9	85.8	110	ug/Kg
84-66-2	Diethylphthalate	920		56.7	85.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		59.6	85.8	110	ug/Kg
86-73-7	Fluorene	950		55.9	85.8	110	ug/Kg
100-01-6	4-Nitroaniline	970		68.6	85.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	900		57.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		61.6	85.8	110	ug/Kg
103-33-3	Azobenzene	1000		48.5	85.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	980		64.3	85.8	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		65.2	85.8	110	ug/Kg
1912-24-9	Atrazine	1200		62.9	85.8	110	ug/Kg
87-86-5	Pentachlorophenol	1700		73.2	180	220	ug/Kg
85-01-8	Phenanthrene	980		61.2	85.8	110	ug/Kg
120-12-7	Anthracene	980		67.3	85.8	110	ug/Kg
86-74-8	Carbazole	1000		56	85.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		68.6	85.8	110	ug/Kg
206-44-0	Fluoranthene	980		62.3	85.8	110	ug/Kg

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:	COMP-3MS	SDG No.:	BG080423
Lab Sample ID:	O3877-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058607.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1900	E	130	180	220	ug/Kg
129-00-0	Pyrene	980		55.2	85.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		68	85.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		55.4	85.8	110	ug/Kg
218-01-9	Chrysene	970		57.3	85.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		75.9	85.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		81.1	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		53	85.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		58.1	85.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	970		62.2	85.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		70.6	85.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		63.7	85.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	920		61	85.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		59	85.8	110	ug/Kg
123-91-1	1,4-Dioxane	820		77.2	85.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		54.7	85.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	960		59.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.108		18-112		67	SPK: -150
13127-88-3	Phenol-d6	97.7		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	60.19		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	58.402		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.754		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	64.308		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51900	7.813				
1146-65-2	Naphthalene-d8	225052	10.615				
15067-26-2	Acenaphthene-d10	155371	14.464				
1517-22-2	Phenanthrene-d10	350382	17.208				
1719-03-5	Chrysene-d12	299170	21.45				
1520-96-3	Perylene-d12	383920	24.523				



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

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:	COMP-3MS	SDG No.:	BG080423
Lab Sample ID:	O3877-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058607.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	COMP-3MSD	SDG No.:	BG080423
Lab Sample ID:	O3877-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058608.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	950		51	180	220	ug/Kg
110-86-1	Pyridine	760		47.8	85.8	110	ug/Kg
100-52-7	Benzaldehyde	850		97.7	180	220	ug/Kg
62-53-3	Aniline	690		77.2	85.8	110	ug/Kg
108-95-2	Phenol	1100		49.1	85.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		59.3	85.8	110	ug/Kg
95-57-8	2-Chlorophenol	1100		47.5	85.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		53.9	85.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		58.4	85.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		54.4	85.8	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		65.2	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		75.2	85.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		69.3	85.8	110	ug/Kg
98-86-2	Acetophenone	970		57.2	85.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		71.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	970		38.9	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	1100		48.6	85.8	110	ug/Kg
98-95-3	Nitrobenzene	960		49.6	85.8	110	ug/Kg
78-59-1	Isophorone	900		44.9	85.8	110	ug/Kg
88-75-5	2-Nitrophenol	1000		62.8	85.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		65.7	85.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		73.9	85.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		51.5	85.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		51.2	85.8	110	ug/Kg
65-85-0	Benzoic acid	1100		140	180	220	ug/Kg
91-20-3	Naphthalene	970		53.7	85.8	110	ug/Kg
106-47-8	4-Chloroaniline	570		69.3	85.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	970		55.4	85.8	110	ug/Kg
105-60-2	Caprolactam	940		77.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		54.5	85.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	940		62.6	85.8	110	ug/Kg

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:	COMP-3MSD	SDG No.:	BG080423
Lab Sample ID:	O3877-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058608.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		50.9	85.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		58	85.8	110	ug/Kg
92-52-4	1,1-Biphenyl	990		60.3	85.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		55.8	85.8	110	ug/Kg
88-74-4	2-Nitroaniline	1000		65.5	85.8	110	ug/Kg
131-11-3	Dimethylphthalate	930		58.7	85.8	110	ug/Kg
208-96-8	Acenaphthylene	1000		58.3	85.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	980		59.4	85.8	110	ug/Kg
99-09-2	3-Nitroaniline	780		61.6	85.8	110	ug/Kg
83-32-9	Acenaphthene	970		53	85.8	110	ug/Kg
Total PAH	Total PAH	15760		948.4	85.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	75.2	180	220	ug/Kg
132-64-9	Dibenzofuran	960		50.8	85.8	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	990		65.9	85.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	970		125.3	85.8	220	ug/Kg
84-66-2	Diethylphthalate	930		56.7	85.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		59.7	85.8	110	ug/Kg
86-73-7	Fluorene	960		56	85.8	110	ug/Kg
100-01-6	4-Nitroaniline	990		68.6	85.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	900		57.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		61.6	85.8	110	ug/Kg
103-33-3	Azobenzene	1000		48.5	85.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	990		64.3	85.8	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		65.2	85.8	110	ug/Kg
1912-24-9	Atrazine	1200		63	85.8	110	ug/Kg
87-86-5	Pentachlorophenol	1700		73.3	180	220	ug/Kg
85-01-8	Phenanthrene	980		61.2	85.8	110	ug/Kg
120-12-7	Anthracene	980		67.3	85.8	110	ug/Kg
86-74-8	Carbazole	1000		56	85.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		68.6	85.8	110	ug/Kg
206-44-0	Fluoranthene	990		62.3	85.8	110	ug/Kg

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:	COMP-3MSD	SDG No.:	BG080423
Lab Sample ID:	O3877-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058608.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2000	E	130	180	220	ug/Kg
129-00-0	Pyrene	990		55.2	85.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		68	85.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	850		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		55.4	85.8	110	ug/Kg
218-01-9	Chrysene	970		57.3	85.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		75.9	85.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		81.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		53	85.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	990		58.1	85.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	960		62.2	85.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	990		70.6	85.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		63.7	85.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	910		61.1	85.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		59	85.8	110	ug/Kg
123-91-1	1,4-Dioxane	840		77.2	85.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		54.7	85.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	950		59.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.054		18-112		67	SPK: -150
13127-88-3	Phenol-d6	97.905		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	60.114		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	59.309		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.873		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	64.593		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51090	7.814				
1146-65-2	Naphthalene-d8	222054	10.616				
15067-26-2	Acenaphthene-d10	153509	14.459				
1517-22-2	Phenanthrene-d10	348844	17.209				
1719-03-5	Chrysene-d12	298727	21.451				
1520-96-3	Perylene-d12	387166	24.518				



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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:	COMP-3MSD	SDG No.:	BG080423
Lab Sample ID:	O3877-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.06	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
BG058608.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	MCLEAN-TP2	SDG No.:	BG080423
Lab Sample ID:	O3887-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.3
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058609.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	48.9	U	48.9	170	210	ug/Kg
110-86-1	Pyridine	45.8	U	45.8	82.3	110	ug/Kg
100-52-7	Benzaldehyde	93.7	U	93.7	170	210	ug/Kg
62-53-3	Aniline	74.1	U	74.1	82.3	110	ug/Kg
108-95-2	Phenol	47.1	U	47.1	82.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.9	U	56.9	82.3	110	ug/Kg
95-57-8	2-Chlorophenol	45.6	U	45.6	82.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	51.7	U	51.7	82.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56	U	56	82.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.2	U	52.2	82.3	110	ug/Kg
100-51-6	Benzyl Alcohol	62.5	U	62.5	170	210	ug/Kg
95-48-7	2-Methylphenol	72.2	U	72.2	82.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.5	U	66.5	82.3	110	ug/Kg
98-86-2	Acetophenone	54.9	U	54.9	82.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	68.4	U	68.4	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.4	U	37.4	50.6	50.6	ug/Kg
67-72-1	Hexachloroethane	46.6	U	46.6	82.3	110	ug/Kg
98-95-3	Nitrobenzene	47.6	U	47.6	82.3	110	ug/Kg
78-59-1	Isophorone	43.1	U	43.1	82.3	110	ug/Kg
88-75-5	2-Nitrophenol	60.2	U	60.2	82.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63.1	U	63.1	82.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	70.9	U	70.9	82.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.4	U	49.4	82.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.1	U	49.1	82.3	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	51.5	U	51.5	82.3	110	ug/Kg
106-47-8	4-Chloroaniline	66.5	U	66.5	82.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.2	U	53.2	82.3	110	ug/Kg
105-60-2	Caprolactam	74.1	U	74.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.2	U	52.2	82.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	60.1	U	60.1	82.3	110	ug/Kg

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:	MCLEAN-TP2	SDG No.:	BG080423
Lab Sample ID:	O3887-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.3
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058609.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.8	U	48.8	82.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	55.6	U	55.6	82.3	110	ug/Kg
92-52-4	1,1-Biphenyl	57.8	U	57.8	82.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.6	U	53.6	82.3	110	ug/Kg
88-74-4	2-Nitroaniline	62.9	U	62.9	82.3	110	ug/Kg
131-11-3	Dimethylphthalate	56.3	U	56.3	82.3	110	ug/Kg
208-96-8	Acenaphthylene	56	U	56	82.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57	U	57	82.3	110	ug/Kg
99-09-2	3-Nitroaniline	59.1	U	59.1	82.3	110	ug/Kg
83-32-9	Acenaphthene	50.8	U	50.8	82.3	110	ug/Kg
Total PAH	Total PAH	909.9	U	909.9	82.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.2	U	72.2	170	210	ug/Kg
132-64-9	Dibenzofuran	48.7	U	48.7	82.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.2	U	63.2	82.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	20.2	U	120.2	82.3	220	ug/Kg
84-66-2	Diethylphthalate	54.4	U	54.4	82.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.2	U	57.2	82.3	110	ug/Kg
86-73-7	Fluorene	53.7	U	53.7	82.3	110	ug/Kg
100-01-6	4-Nitroaniline	65.8	U	65.8	82.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	55.6	U	55.6	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.1	U	59.1	82.3	110	ug/Kg
103-33-3	Azobenzene	46.5	U	46.5	82.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.7	U	61.7	82.3	110	ug/Kg
118-74-1	Hexachlorobenzene	62.5	U	62.5	82.3	110	ug/Kg
1912-24-9	Atrazine	60.4	U	60.4	82.3	110	ug/Kg
87-86-5	Pentachlorophenol	70.3	U	70.3	170	210	ug/Kg
85-01-8	Phenanthrene	58.7	U	58.7	82.3	110	ug/Kg
120-12-7	Anthracene	64.6	U	64.6	82.3	110	ug/Kg
86-74-8	Carbazole	53.7	U	53.7	82.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	65.8	U	65.8	82.3	110	ug/Kg
206-44-0	Fluoranthene	59.8	U	59.8	82.3	110	ug/Kg

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:	MCLEAN-TP2	SDG No.:	BG080423
Lab Sample ID:	O3887-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.3
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058609.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	53	U	53	82.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.2	U	65.2	82.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.1	U	53.1	82.3	110	ug/Kg
218-01-9	Chrysene	55	U	55	82.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72.8	U	72.8	82.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	77.9	U	77.9	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.8	U	50.8	82.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.8	U	55.8	82.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	59.7	U	59.7	82.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	67.7	U	67.7	82.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.1	U	61.1	82.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.6	U	58.6	82.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.6	U	56.6	82.3	110	ug/Kg
123-91-1	1,4-Dioxane	74.1	U	74.1	82.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.5	U	52.5	82.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.1	U	57.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.315		18-112		65	SPK: -150
13127-88-3	Phenol-d6	97.031		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	59.598		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	60.404		20-109		60	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.428		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	62.886		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53228	7.812				
1146-65-2	Naphthalene-d8	228045	10.615				
15067-26-2	Acenaphthene-d10	159028	14.457				
1517-22-2	Phenanthrene-d10	362169	17.207				
1719-03-5	Chrysene-d12	318302	21.449				
1520-96-3	Perylene-d12	394665	24.522				



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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:	MCLEAN-TP2	SDG No.:	BG080423
Lab Sample ID:	O3887-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.3
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058609.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	61.6	A			4.91	
000119-61-9	Benzophenone	82.5	J			15.82	
000057-10-3	n-Hexadecanoic acid	130	J			18.094	
000112-92-5	1-Octadecanol	78.9	J			21.138	

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:	MCLEAN-TP9	SDG No.:	BG080423
Lab Sample ID:	O3887-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.08	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
BG058610.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50	U	50	170	210	ug/Kg
110-86-1	Pyridine	46.8	U	46.8	84	110	ug/Kg
100-52-7	Benzaldehyde	95.6	U	95.6	170	210	ug/Kg
62-53-3	Aniline	75.6	U	75.6	84	110	ug/Kg
108-95-2	Phenol	48.1	U	48.1	84	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58	U	58	84	110	ug/Kg
95-57-8	2-Chlorophenol	46.5	U	46.5	84	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.8	U	52.8	84	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.2	U	57.2	84	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.2	U	53.2	84	110	ug/Kg
100-51-6	Benzyl Alcohol	63.8	U	63.8	170	210	ug/Kg
95-48-7	2-Methylphenol	73.7	U	73.7	84	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.9	U	67.9	84	110	ug/Kg
98-86-2	Acetophenone	56	U	56	84	110	ug/Kg
65794-96-9	3+4-Methylphenols	69.8	U	69.8	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.1	U	38.1	51.7	51.7	ug/Kg
67-72-1	Hexachloroethane	47.6	U	47.6	84	110	ug/Kg
98-95-3	Nitrobenzene	48.6	U	48.6	84	110	ug/Kg
78-59-1	Isophorone	44	U	44	84	110	ug/Kg
88-75-5	2-Nitrophenol	61.5	U	61.5	84	110	ug/Kg
105-67-9	2,4-Dimethylphenol	64.4	U	64.4	84	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.4	U	72.4	84	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.5	U	50.5	84	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.1	U	50.1	84	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	52.6	U	52.6	84	110	ug/Kg
106-47-8	4-Chloroaniline	67.9	U	67.9	84	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.3	U	54.3	84	110	ug/Kg
105-60-2	Caprolactam	75.6	U	75.6	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.3	U	53.3	84	110	ug/Kg
91-57-6	2-Methylnaphthalene	61.3	U	61.3	84	110	ug/Kg

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:	MCLEAN-TP9	SDG No.:	BG080423
Lab Sample ID:	O3887-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.08	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
BG058610.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.8	U	49.8	84	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.8	U	56.8	84	110	ug/Kg
92-52-4	1,1-Biphenyl	59	U	59	84	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.7	U	54.7	84	110	ug/Kg
88-74-4	2-Nitroaniline	64.2	U	64.2	84	110	ug/Kg
131-11-3	Dimethylphthalate	57.4	U	57.4	84	110	ug/Kg
208-96-8	Acenaphthylene	57.1	U	57.1	84	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.2	U	58.2	84	110	ug/Kg
99-09-2	3-Nitroaniline	60.4	U	60.4	84	110	ug/Kg
83-32-9	Acenaphthene	51.9	U	51.9	84	110	ug/Kg
Total PAH	Total PAH	928.6	U	928.6	84	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.7	U	73.7	170	210	ug/Kg
132-64-9	Dibenzofuran	49.7	U	49.7	84	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	122.8	U	122.8	84	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.6	U	64.6	84	110	ug/Kg
84-66-2	Diethylphthalate	55.5	U	55.5	84	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.4	U	58.4	84	110	ug/Kg
86-73-7	Fluorene	54.8	U	54.8	84	110	ug/Kg
100-01-6	4-Nitroaniline	67.2	U	67.2	84	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56.7	U	56.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60.3	U	60.3	84	110	ug/Kg
103-33-3	Azobenzene	47.5	U	47.5	84	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.9	U	62.9	84	110	ug/Kg
118-74-1	Hexachlorobenzene	63.8	U	63.8	84	110	ug/Kg
1912-24-9	Atrazine	61.6	U	61.6	84	110	ug/Kg
87-86-5	Pentachlorophenol	71.7	U	71.7	170	210	ug/Kg
85-01-8	Phenanthrene	59.9	U	59.9	84	110	ug/Kg
120-12-7	Anthracene	65.9	U	65.9	84	110	ug/Kg
86-74-8	Carbazole	54.9	U	54.9	84	110	ug/Kg
84-74-2	Di-n-butylphthalate	67.2	U	67.2	84	110	ug/Kg
206-44-0	Fluoranthene	61	U	61	84	110	ug/Kg

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:	MCLEAN-TP9	SDG No.:	BG080423
Lab Sample ID:	O3887-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058610.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	54.1	U	54.1	84	110	ug/Kg
85-68-7	Butylbenzylphthalate	66.6	U	66.6	84	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	54.2	U	54.2	84	110	ug/Kg
218-01-9	Chrysene	56.1	U	56.1	84	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	74.3	U	74.3	84	110	ug/Kg
117-84-0	Di-n-octyl phthalate	79.5	U	79.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.9	U	51.9	84	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.9	U	56.9	84	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.9	U	60.9	84	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	69.1	U	69.1	84	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.4	U	62.4	84	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59.8	U	59.8	84	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.8	U	57.8	84	110	ug/Kg
123-91-1	1,4-Dioxane	75.6	U	75.6	84	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.6	U	53.6	84	110	ug/Kg
90-12-0	1-Methylnaphthalene	58.3	U	58.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.204		18-112		51	SPK: -150
13127-88-3	Phenol-d6	79.264		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	48.246		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	50.605		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.008		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	54.216		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53265	7.812				
1146-65-2	Naphthalene-d8	226160	10.614				
15067-26-2	Acenaphthene-d10	157072	14.457				
1517-22-2	Phenanthrene-d10	353383	17.207				
1719-03-5	Chrysene-d12	312184	21.443				
1520-96-3	Perylene-d12	382563	24.516				



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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:	MCLEAN-TP9	SDG No.:	BG080423
Lab Sample ID:	O3887-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058610.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000625-23-0	2-Hexanol, 2-methyl-	75	J			4.909	
000119-61-9	Benzophenone	72.8	J			15.814	
000638-53-9	Tridecanoic acid	50.2	J			18.094	

Report of Analysis

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MS	SDG No.:	BG080423
Lab Sample ID:	O3625-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058611.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	390		20.2	80	100	ug/L
110-86-1	Pyridine	300		17.8	40	50	ug/L
100-52-7	Benzaldehyde	230		32.8	80	100	ug/L
62-53-3	Aniline	210		24.2	40	50	ug/L
108-95-2	Phenol	430		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	410		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	470		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	410		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	380		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	390		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	510		23.8	80	100	ug/L
95-48-7	2-Methylphenol	430		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	430		22.6	40	50	ug/L
98-86-2	Acetophenone	420		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	450		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	420		19.8	25	25	ug/L
67-72-1	Hexachloroethane	380		16.4	40	50	ug/L
98-95-3	Nitrobenzene	420		17.2	40	50	ug/L
78-59-1	Isophorone	410		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	440		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	470		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	440		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	470		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	420		17	40	50	ug/L
65-85-0	Benzoic acid	98.6	J	66.5	80	100	ug/L
91-20-3	Naphthalene	410		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	88.4		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	390		19.3	40	50	ug/L
105-60-2	Caprolactam	390		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	460		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	410		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MS	SDG No.:	BG080423
Lab Sample ID:	O3625-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058611.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	510		57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	470		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	440		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	440		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	450		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	470		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	450		18.8	40	50	ug/L
208-96-8	Acenaphthylene	440		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	450		21	40	50	ug/L
99-09-2	3-Nitroaniline	290		23.6	40	50	ug/L
83-32-9	Acenaphthene	450		17.2	40	50	ug/L
Total PAH	Total PAH	7310		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	310		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	810	E	28	80	100	ug/L
132-64-9	Dibenzofuran	440		15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	450		25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	900		46.4	40	100	ug/L
84-66-2	Diethylphthalate	430		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	440		22.2	40	50	ug/L
86-73-7	Fluorene	440		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	460		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	230		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	460		19.5	40	50	ug/L
103-33-3	Azobenzene	440		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	450		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	480		19.1	40	50	ug/L
1912-24-9	Atrazine	550		35	40	50	ug/L
87-86-5	Pentachlorophenol	530		25.5	80	100	ug/L
85-01-8	Phenanthrene	450		20	40	50	ug/L
120-12-7	Anthracene	440		22.8	40	50	ug/L
86-74-8	Carbazole	470		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	470		24	40	50	ug/L
206-44-0	Fluoranthene	450		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MS	SDG No.:	BG080423
Lab Sample ID:	O3625-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058611.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	270		65.8	80	100	ug/L
129-00-0	Pyrene	460		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	470		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	330		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	460		14.5	40	50	ug/L
218-01-9	Chrysene	450		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	470		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	480		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	510		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	490		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	460		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	490		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	480		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	430		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	440		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	320		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	440		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	410		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	123.002		10-139		82	SPK: -150
13127-88-3	Phenol-d6	115.181		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	84.232		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	84.261		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	118.847		32-145		79	SPK: -150
1718-51-0	Terphenyl-d14	92.586		36-145		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55347	7.811				
1146-65-2	Naphthalene-d8	235295	10.614				
15067-26-2	Acenaphthene-d10	158824	14.463				
1517-22-2	Phenanthrene-d10	363672	17.206				
1719-03-5	Chrysene-d12	310244	21.454				
1520-96-3	Perylene-d12	384928	24.521				



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Report of Analysis

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MS	SDG No.:	BG080423
Lab Sample ID:	O3625-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058611.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

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

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MSD	SDG No.:	BG080423
Lab Sample ID:	O3625-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058612.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	210		20.2	80	100	ug/L
110-86-1	Pyridine	160		17.8	40	50	ug/L
100-52-7	Benzaldehyde	120		32.8	80	100	ug/L
62-53-3	Aniline	110		24.2	40	50	ug/L
108-95-2	Phenol	220		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	210		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	240		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	210		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	200		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	200		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	270		23.8	80	100	ug/L
95-48-7	2-Methylphenol	230		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	230		22.6	40	50	ug/L
98-86-2	Acetophenone	220		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	230		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	220		19.8	25	25	ug/L
67-72-1	Hexachloroethane	200		16.4	40	50	ug/L
98-95-3	Nitrobenzene	220		17.2	40	50	ug/L
78-59-1	Isophorone	220		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	230		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	250		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	230		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	250		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	230		17	40	50	ug/L
65-85-0	Benzoic acid	76.3	J	66.5	80	100	ug/L
91-20-3	Naphthalene	220		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	48.9	J	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	200		19.3	40	50	ug/L
105-60-2	Caprolactam	210		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	250		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	220		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MSD	SDG No.:	BG080423
Lab Sample ID:	O3625-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058612.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	280		57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	240		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	230		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	230		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	240		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	250		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	230		18.8	40	50	ug/L
208-96-8	Acenaphthylene	230		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	240		21	40	50	ug/L
99-09-2	3-Nitroaniline	160		23.6	40	50	ug/L
83-32-9	Acenaphthene	230		17.2	40	50	ug/L
Total PAH	Total PAH	3820		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	170		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	430		28	80	100	ug/L
132-64-9	Dibenzofuran	230		15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	480		46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	240		25.4	40	50	ug/L
84-66-2	Diethylphthalate	230		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	230		22.2	40	50	ug/L
86-73-7	Fluorene	230		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	240		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	100		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	240		19.5	40	50	ug/L
103-33-3	Azobenzene	230		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	240		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	260		19.1	40	50	ug/L
1912-24-9	Atrazine	290		35	40	50	ug/L
87-86-5	Pentachlorophenol	250		25.5	80	100	ug/L
85-01-8	Phenanthrene	240		20	40	50	ug/L
120-12-7	Anthracene	240		22.8	40	50	ug/L
86-74-8	Carbazole	250		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	250		24	40	50	ug/L
206-44-0	Fluoranthene	240		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MSD	SDG No.:	BG080423
Lab Sample ID:	O3625-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058612.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130		65.8	80	100	ug/L
129-00-0	Pyrene	240		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	250		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	180		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	240		14.5	40	50	ug/L
218-01-9	Chrysene	240		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	250		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	250		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	260		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	250		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	240		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	240		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	250		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	230		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	230		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	160		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	240		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	220		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	64.852		10-139		43	SPK: -150
13127-88-3	Phenol-d6	60.829		10-134		41	SPK: -150
4165-60-0	Nitrobenzene-d5	44.837	*	49-133		45	SPK: -100
321-60-8	2-Fluorobiphenyl	43.437	*	52-132		43	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.221		32-145		42	SPK: -150
1718-51-0	Terphenyl-d14	49.326		36-145		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	104641	7.811				
1146-65-2	Naphthalene-d8	442456	10.614				
15067-26-2	Acenaphthene-d10	308226	14.462				
1517-22-2	Phenanthrene-d10	692107	17.206				
1719-03-5	Chrysene-d12	590619	21.448				
1520-96-3	Perylene-d12	758454	24.521				



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Report of Analysis

Client:		Date Collected:	7/14/2023 12:00:00 AM
Project:		Date Received:	7/14/2023 12:00:00 AM
Client Sample ID:	RBR200018MSD	SDG No.:	BG080423
Lab Sample ID:	O3625-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BG058612.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154288

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

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MS	SDG No.:	BG080423
Lab Sample ID:	O3657-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058613.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	920		51.5	180	220	ug/Kg
110-86-1	Pyridine	710		48.2	86.6	110	ug/Kg
100-52-7	Benzaldehyde	840		98.6	180	220	ug/Kg
62-53-3	Aniline	540		78	86.6	110	ug/Kg
108-95-2	Phenol	1100		49.6	86.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		59.8	86.6	110	ug/Kg
95-57-8	2-Chlorophenol	1100		48	86.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		54.4	86.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		59	86.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		54.9	86.6	110	ug/Kg
100-51-6	Benzyl Alcohol	1200		65.8	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		76	86.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		70	86.6	110	ug/Kg
98-86-2	Acetophenone	960		57.8	86.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		72	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		39.3	53.3	53.3	ug/Kg
67-72-1	Hexachloroethane	1100		49	86.6	110	ug/Kg
98-95-3	Nitrobenzene	960		50.1	86.6	110	ug/Kg
78-59-1	Isophorone	920		45.4	86.6	110	ug/Kg
88-75-5	2-Nitrophenol	1000		63.4	86.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		66.4	86.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		74.6	86.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		52	86.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		51.6	86.6	110	ug/Kg
65-85-0	Benzoic acid	950		140	180	220	ug/Kg
91-20-3	Naphthalene	980		54.2	86.6	110	ug/Kg
106-47-8	4-Chloroaniline	450		70	86.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	980		56	86.6	110	ug/Kg
105-60-2	Caprolactam	1000		78	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		55	86.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	960		63.2	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MS	SDG No.:	BG080423
Lab Sample ID:	O3657-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058613.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		51.4	86.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		58.6	86.6	110	ug/Kg
92-52-4	1,1-Biphenyl	970		60.8	86.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		56.4	86.6	110	ug/Kg
88-74-4	2-Nitroaniline	1000		66.2	86.6	110	ug/Kg
131-11-3	Dimethylphthalate	1000		59.2	86.6	110	ug/Kg
208-96-8	Acenaphthylene	960		58.9	86.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	970		60	86.6	110	ug/Kg
99-09-2	3-Nitroaniline	700		62.2	86.6	110	ug/Kg
83-32-9	Acenaphthene	980		53.5	86.6	110	ug/Kg
Total PAH	Total PAH	15700		957.5	86.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	800		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	76	180	220	ug/Kg
132-64-9	Dibenzofuran	950		51.2	86.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	970		126.6	86.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		66.6	86.6	110	ug/Kg
84-66-2	Diethylphthalate	930		57.2	86.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		60.2	86.6	110	ug/Kg
86-73-7	Fluorene	950		56.5	86.6	110	ug/Kg
100-01-6	4-Nitroaniline	970		69.3	86.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	680		58.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		62.2	86.6	110	ug/Kg
103-33-3	Azobenzene	940		49	86.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		64.9	86.6	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		65.8	86.6	110	ug/Kg
1912-24-9	Atrazine	1200		63.6	86.6	110	ug/Kg
87-86-5	Pentachlorophenol	1800		74	180	220	ug/Kg
85-01-8	Phenanthrene	990		61.8	86.6	110	ug/Kg
120-12-7	Anthracene	980		68	86.6	110	ug/Kg
86-74-8	Carbazole	1000		56.6	86.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		69.3	86.6	110	ug/Kg
206-44-0	Fluoranthene	990		62.9	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MS	SDG No.:	BG080423
Lab Sample ID:	O3657-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058613.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	990		130	180	220	ug/Kg
129-00-0	Pyrene	1000		55.8	86.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		68.6	86.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		55.9	86.6	110	ug/Kg
218-01-9	Chrysene	980		57.8	86.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		76.6	86.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		82	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		53.5	86.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		58.7	86.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	960		62.8	86.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		71.3	86.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		64.3	86.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		61.6	86.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		59.6	86.6	110	ug/Kg
123-91-1	1,4-Dioxane	770		78	86.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		55.2	86.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	950		60.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.015		18-112		69	SPK: -150
13127-88-3	Phenol-d6	103.372		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	64.589		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	61.866		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.436		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	68.964		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52087	7.814				
1146-65-2	Naphthalene-d8	228037	10.611				
15067-26-2	Acenaphthene-d10	161904	14.46				
1517-22-2	Phenanthrene-d10	364082	17.209				
1719-03-5	Chrysene-d12	311635	21.451				
1520-96-3	Perylene-d12	407562	24.518				



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Report of Analysis

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MS	SDG No.:	BG080423
Lab Sample ID:	O3657-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.03	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
BG058613.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

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

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MSD	SDG No.:	BG080423
Lab Sample ID:	O3657-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.01 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
BG058614.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	900		51.5	180	220	ug/Kg
110-86-1	Pyridine	680		48.3	86.6	110	ug/Kg
100-52-7	Benzaldehyde	810		98.6	180	220	ug/Kg
62-53-3	Aniline	520		78	86.6	110	ug/Kg
108-95-2	Phenol	1100		49.6	86.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		59.9	86.6	110	ug/Kg
95-57-8	2-Chlorophenol	1100		48	86.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		54.5	86.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	990		59	86.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		54.9	86.6	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		65.9	180	220	ug/Kg
95-48-7	2-Methylphenol	980		76	86.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	990		70	86.6	110	ug/Kg
98-86-2	Acetophenone	910		57.8	86.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		72	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910		39.3	53.3	53.3	ug/Kg
67-72-1	Hexachloroethane	1000		49.1	86.6	110	ug/Kg
98-95-3	Nitrobenzene	920		50.1	86.6	110	ug/Kg
78-59-1	Isophorone	860		45.4	86.6	110	ug/Kg
88-75-5	2-Nitrophenol	960		63.4	86.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	960		66.4	86.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	910		74.7	86.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		52.1	86.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	960		51.7	86.6	110	ug/Kg
65-85-0	Benzoic acid	990		140	180	220	ug/Kg
91-20-3	Naphthalene	920		54.3	86.6	110	ug/Kg
106-47-8	4-Chloroaniline	480		70	86.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	910		56	86.6	110	ug/Kg
105-60-2	Caprolactam	960		78	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		55	86.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	900		63.3	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MSD	SDG No.:	BG080423
Lab Sample ID:	O3657-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.01 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
BG058614.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1300		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		51.4	86.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	910		58.6	86.6	110	ug/Kg
92-52-4	1,1-Biphenyl	930		60.9	86.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	960		56.4	86.6	110	ug/Kg
88-74-4	2-Nitroaniline	970		66.2	86.6	110	ug/Kg
131-11-3	Dimethylphthalate	1000		59.3	86.6	110	ug/Kg
208-96-8	Acenaphthylene	930		58.9	86.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	930		60	86.6	110	ug/Kg
99-09-2	3-Nitroaniline	690		62.3	86.6	110	ug/Kg
83-32-9	Acenaphthene	930		53.5	86.6	110	ug/Kg
Total PAH	Total PAH	14860		957.9	86.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	960		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	76	180	220	ug/Kg
132-64-9	Dibenzofuran	910		51.3	86.6	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	940		66.6	86.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	870		126.6	86.6	220	ug/Kg
84-66-2	Diethylphthalate	890		57.3	86.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	910		60.3	86.6	110	ug/Kg
86-73-7	Fluorene	920		56.5	86.6	110	ug/Kg
100-01-6	4-Nitroaniline	940		69.3	86.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740		58.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	940		62.2	86.6	110	ug/Kg
103-33-3	Azobenzene	910		49	86.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	920		64.9	86.6	110	ug/Kg
118-74-1	Hexachlorobenzene	990		65.9	86.6	110	ug/Kg
1912-24-9	Atrazine	1100		63.6	86.6	110	ug/Kg
87-86-5	Pentachlorophenol	1700		74	180	220	ug/Kg
85-01-8	Phenanthrene	920		61.8	86.6	110	ug/Kg
120-12-7	Anthracene	920		68	86.6	110	ug/Kg
86-74-8	Carbazole	970		56.6	86.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	960		69.3	86.6	110	ug/Kg
206-44-0	Fluoranthene	920		62.9	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MSD	SDG No.:	BG080423
Lab Sample ID:	O3657-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.01 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
BG058614.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		130	180	220	ug/Kg
129-00-0	Pyrene	930		55.8	86.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	960		68.7	86.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	950		55.9	86.6	110	ug/Kg
218-01-9	Chrysene	910		57.9	86.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	960		76.7	86.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	960		82	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		53.5	86.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	980		58.7	86.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	900		62.9	86.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	940		71.3	86.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	950		64.3	86.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	840		61.7	86.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	940		59.6	86.6	110	ug/Kg
123-91-1	1,4-Dioxane	740		78	86.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		55.3	86.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	890		60.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.216		18-112		65	SPK: -150
13127-88-3	Phenol-d6	98.345		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	60.291		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	59.43		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.037		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	64.028		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51102	7.808				
1146-65-2	Naphthalene-d8	223947	10.611				
15067-26-2	Acenaphthene-d10	155384	14.459				
1517-22-2	Phenanthrene-d10	362764	17.203				
1719-03-5	Chrysene-d12	311373	21.451				
1520-96-3	Perylene-d12	398422	24.518				



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Report of Analysis

Client:		Date Collected:	7/18/2023 12:00:00 AM
Project:		Date Received:	7/18/2023 12:00:00 AM
Client Sample ID:	BERGENSWITCH-COMP1MSD	SDG No.:	BG080423
Lab Sample ID:	O3657-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.01	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
BG058614.D	1	7/19/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154284

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

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-13-(0-5)	SDG No.:	BG080423
Lab Sample ID:	O3840-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058615.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89.2	U	89.2	310	380	ug/Kg
110-86-1	Pyridine	83.6	U	83.6	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	85.9	U	85.9	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	83.1	U	83.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	94.3	U	94.3	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.1	U	95.1	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	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	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68.1	U	68.1	92.4	92.4	ug/Kg
67-72-1	Hexachloroethane	85	U	85	150	200	ug/Kg
98-95-3	Nitrobenzene	86.8	U	86.8	150	200	ug/Kg
78-59-1	Isophorone	78.6	U	78.6	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90.2	U	90.2	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.5	U	89.5	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	94	U	94	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97	U	97	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.2	U	95.2	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-13-(0-5)	SDG No.:	BG080423
Lab Sample ID:	O3840-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058615.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89	U	89	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	97.7	U	97.7	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	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	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	92.7	U	92.7	150	200	ug/Kg
Total PAH	Total PAH	1660.8	U	1660.8	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.8	U	88.8	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	99.2	U	99.2	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	97.9	U	97.9	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	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	84.9	U	84.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	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	98	U	98	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:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-13-(0-5)	SDG No.:	BG080423
Lab Sample ID:	O3840-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058615.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	96.6	U	96.6	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	96.9	U	96.9	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.7	U	92.7	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	120	U	120	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	100	U	100	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	95.7	U	95.7	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.543		18-112		43	SPK: -150
13127-88-3	Phenol-d6	66.672		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	39.111		18-107		39	SPK: -100
321-60-8	2-Fluorobiphenyl	36.811		20-109		37	SPK: -100
118-79-6	2,4,6-Tribromophenol	54.676		10-110		36	SPK: -150
1718-51-0	Terphenyl-d14	40.815		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47820	7.812				
1146-65-2	Naphthalene-d8	214432	10.615				
15067-26-2	Acenaphthene-d10	154657	14.457				
1517-22-2	Phenanthrene-d10	352837	17.207				
1719-03-5	Chrysene-d12	316143	21.443				
1520-96-3	Perylene-d12	388374	24.516				



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Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-13-(0-5)	SDG No.:	BG080423
Lab Sample ID:	O3840-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
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
BG058615.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	820	J			13.353	
000057-10-3	n-Hexadecanoic acid	170	J			18.094	
000141-02-6	2-Butenedioic acid (E)-, bis(2-ethylhexyl) est	80.4	J			19.269	

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	B-P14B	SDG No.:	BG080423
Lab Sample ID:	O3769-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.4
Sample Wt/Vol:	30.03	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
BG058616.D	1	7/26/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154429

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.2	U	86.2	300	370	ug/Kg
110-86-1	Pyridine	80.7	U	80.7	140	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	300	370	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	83	U	83	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	140	190	ug/Kg
95-57-8	2-Chlorophenol	80.3	U	80.3	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	91.1	U	91.1	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	98.7	U	98.7	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.9	U	91.9	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	370	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	96.7	U	96.7	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	65.8	U	65.8	89.2	89.2	ug/Kg
67-72-1	Hexachloroethane	82.1	U	82.1	140	190	ug/Kg
98-95-3	Nitrobenzene	83.8	U	83.8	140	190	ug/Kg
78-59-1	Isophorone	75.9	U	75.9	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	87.1	U	87.1	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	86.4	U	86.4	140	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	530		90.8	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.7	U	93.7	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	92	U	92	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	160	J	110	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	B-P14B	SDG No.:	BG080423
Lab Sample ID:	O3769-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058616.D	1	7/26/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154429

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86	U	86	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98	U	98	140	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.3	U	94.3	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	160	J	99.1	140	190	ug/Kg
208-96-8	Acenaphthylene	98.6	U	98.6	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	89.5	U	89.5	140	190	ug/Kg
Total PAH	Total PAH	1604.7	U	1604.7	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	85.7	U	85.7	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	95.8	U	95.8	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	140	190	ug/Kg
86-73-7	Fluorene	94.5	U	94.5	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.9	U	97.9	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	81.9	U	81.9	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	370	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	94.7	U	94.7	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	140	190	ug/Kg
206-44-0	Fluoranthene	140	J	110	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	B-P14B	SDG No.:	BG080423
Lab Sample ID:	O3769-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058616.D	1	7/26/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154429

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	300	370	ug/Kg
129-00-0	Pyrene	150	J	93.3	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	370	ug/Kg
56-55-3	Benzo(a)anthracene	93.5	U	93.5	140	190	ug/Kg
218-01-9	Chrysene	96.8	U	96.8	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	820		130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	89.5	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	98.2	U	98.2	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	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	99.7	U	99.7	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	92.4	U	92.4	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.307		18-112		60	SPK: -150
13127-88-3	Phenol-d6	91.42		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	55.696		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	59.147		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.515		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	56.501		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47609	7.811				
1146-65-2	Naphthalene-d8	207397	10.614				
15067-26-2	Acenaphthene-d10	135676	14.456				
1517-22-2	Phenanthrene-d10	292570	17.206				
1719-03-5	Chrysene-d12	256177	21.442				
1520-96-3	Perylene-d12	318053	24.515				

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	B-P14B	SDG No.:	BG080423
Lab Sample ID:	O3769-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058616.D	1	7/26/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154429

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000527-84-4	o-Cymene	320	J			8.916	
033223-84-6	2-Methylindan-2-ol	130	J			9.163	
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	250	J			9.439	
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	420	J			9.498	
000767-99-7	Benzene, (1-methyl-1-propenyl)-, (	360	J			10.009	
001595-16-0	Benzene, 1-methyl-4-(1-methylpropyl-	160	J			10.073	
002049-95-8	Benzene, (1,1-dimethylpropyl)-	150	J			10.308	
000629-62-9	Pentadecane	730	J			13.275	
031081-18-2	Nonane, 3-methyl-5-propyl-	240	J			13.804	
073105-67-6	1-Iodo-2-methylundecane	220	J			13.975	
017312-55-9	Decane, 3,8-dimethyl-	170	J			14.051	
000544-76-3	Hexadecane	1300	J			14.351	
007225-66-3	Tridecane, 7-hexyl-	230	J			14.968	
062238-11-3	Decane, 2,3,5-trimethyl-	660	J			15.303	
017312-81-1	Undecane, 3,5-dimethyl-	180	J			15.702	
000629-59-4	Tetradecane	220	J			16.16	
000057-10-3	n-Hexadecanoic acid	440	J			18.093	
000057-11-4	Octadecanoic acid	140	J			19.368	
000629-94-7	Heneicosane	250	J			23.605	
000629-99-2	Pentacosane	220	J			25.561	

Hit Summary Sheet

SW-846

SDG No.: BG080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-P14B								
O3769-04	B-P14B	Solid	1-Iodo-2-methylundecane	*	220.000	J		
O3769-04	B-P14B	Solid	2-Methylindan-2-ol	*	130.000	J		
O3769-04	B-P14B	Solid	Benzene, (1,1-dimethylpropyl)-	*	150.000	J		
O3769-04	B-P14B	Solid	Benzene, (1-methyl-1-propenyl)-	*	360.000	J		
O3769-04	B-P14B	Solid	Benzene, 1,2,3,4-tetramethyl-	*	420.000	J		
O3769-04	B-P14B	Solid	Benzene, 1,2,4,5-tetramethyl-	*	250.000	J		
O3769-04	B-P14B	Solid	Benzene, 1-methyl-4-(1-methylpr	*	160.000	J		
O3769-04	B-P14B	Solid	Decane, 2,3,5-trimethyl-	*	660.000	J		
O3769-04	B-P14B	Solid	Decane, 3,8-dimethyl-	*	170.000	J		
O3769-04	B-P14B	Solid	Heneicosane	*	250.000	J		
O3769-04	B-P14B	Solid	Hexadecane	*	1,300.000	J		
O3769-04	B-P14B	Solid	n-Hexadecanoic acid	*	440.000	J		
O3769-04	B-P14B	Solid	Nonane, 3-methyl-5-propyl-	*	240.000	J		
O3769-04	B-P14B	Solid	o-Cymene	*	320.000	J		
O3769-04	B-P14B	Solid	Octadecanoic acid	*	140.000	J		
O3769-04	B-P14B	Solid	Pentacosane	*	220.000	J		
O3769-04	B-P14B	Solid	Pentadecane	*	730.000	J		
O3769-04	B-P14B	Solid	Tetradecane	*	220.000	J		
O3769-04	B-P14B	Solid	Tridecane, 7-hexyl-	*	230.000	J		
O3769-04	B-P14B	Solid	Undecane, 3,5-dimethyl-	*	180.000	J		
Total Tics :					6,790.00			
O3769-04	B-P14B	Solid	2-Methylnaphthalene		160.000	J	110	ug/Kg
O3769-04	B-P14B	Solid	Benzo(b)fluoranthene		110.000	J	89.5	ug/Kg
O3769-04	B-P14B	Solid	Bis(2-ethylhexyl)phthalate		820.000		130	ug/Kg
O3769-04	B-P14B	Solid	Dimethylphthalate		160.000	J	99.1	ug/Kg
O3769-04	B-P14B	Solid	Fluoranthene		140.000	J	110	ug/Kg
O3769-04	B-P14B	Solid	Naphthalene		530.000		90.8	ug/Kg
O3769-04	B-P14B	Solid	Pyrene		150.000	J	93.3	ug/Kg
Total Svoc :					2,070.00			
Total Concentration:					8,860.00			
Client ID : BUILDING-B-13-(0-5)								
O3840-01	BUILDING-B-13-(0-5)	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	820.000	J		
O3840-01	BUILDING-B-13-(0-5)	Solid	2-Butenedioic acid (E)-, bis(2-eth	*	80.400	J		
O3840-01	BUILDING-B-13-(0-5)	Solid	n-Hexadecanoic acid	*	170.000	J		
Total Tics :					1,070.40			
Total Concentration:					1,070.40			
Client ID : COMP-1								
O3877-01	COMP-1	Solid	Benzophenone	*	81.700	J		

Hit Summary Sheet SW-846

SDG No.: BG080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3877-01	COMP-1	Solid	n-Hexadecanoic acid	*	71.000	J		
Total Tics :					152.70			
Total Concentration:					152.70			
Client ID : COMP-2								
O3877-04	COMP-2	Solid	Benzophenone	*	86.200	J		
O3877-04	COMP-2	Solid	n-Hexadecanoic acid	*	67.200	J		
Total Tics :					153.40			
Total Concentration:					153.40			
Client ID : COMP-3								
O3877-07	COMP-3	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	70.500	A		
O3877-07	COMP-3	Solid	3-Eicosene, (E)-	*	53.700	J		
O3877-07	COMP-3	Solid	Benzophenone	*	130.000	J		
O3877-07	COMP-3	Solid	n-Hexadecanoic acid	*	140.000	J		
Total Tics :					394.20			
Total Concentration:					394.20			
Client ID : MCLEAN-TP2								
O3887-10	MCLEAN-TP2	Solid	1-Octadecanol	*	78.900	J		
O3887-10	MCLEAN-TP2	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	61.600	A		
O3887-10	MCLEAN-TP2	Solid	Benzophenone	*	82.500	J		
O3887-10	MCLEAN-TP2	Solid	n-Hexadecanoic acid	*	130.000	J		
Total Tics :					353.00			
Total Concentration:					353.00			
Client ID : MCLEAN-TP9								
O3887-13	MCLEAN-TP9	Solid	2-Hexanol, 2-methyl-	*	75.000	J		
O3887-13	MCLEAN-TP9	Solid	Benzophenone	*	72.800	J		
O3887-13	MCLEAN-TP9	Solid	Tridecanoic acid	*	50.200	J		
Total Tics :					198.00			
Total Concentration:					198.00			



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.: BG080423 SAS No.: BG080423 SDG NO.: BG080423EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 4 2023 12:00AMLab File ID: BG058514.D Time Analyzed: 09:18Instrument 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	PB154462BL	40637	7.81	168073	10.62	117180	14.46
02	COMP-1	53258	7.81	231685	10.61	156275	14.46
03	COMP-2	52026	7.81	222996	10.61	147605	14.46
04	COMP-3	52080	7.81	225357	10.61	154264	14.46
05	COMP-3MS	51900	7.81	225052	10.62	155371	14.46
06	COMP-3MSD	51090	7.81	222054	10.62	153509	14.46
07	MCLEAN-TP2	53228	7.81	228045	10.62	159028	14.46
08	MCLEAN-TP9	53265	7.81	226160	10.61	157072	14.46
09	RBR200018MS	55347	7.81	235295	10.61	158824	14.46
10	RBR200018MSD	104641	7.81	442456	10.61	308226	14.46
11	BERGENSWITCH-COMP1MS	52087	7.81	228037	10.61	161904	14.46
12	BERGENSWITCH-COMP1MSD	51102	7.81	223947	10.61	155384	14.46
13	BUILDING-B-13- (0-5)	47820	7.81	214432	10.62	154657	14.46
14	B-P14B	47609	7.81	207397	10.61	135676	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.: BG080423 SAS No.: BG080423 SDG NO.: BG080423EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 4 2023 12:00AMLab File ID: BG058602.D Time Analyzed: 09:18Instrument 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	50317	7.812	215247	10.62	147363	14.46
	UPPER LIMIT	100634	8.312	430494	11.115	294726	14.963
	LOWER LIMIT	25158.5	7.312	107623.5	10.115	73681.5	13.963
	EPA SAMPLE NO.						
01	PB154462BL	40637	7.81	168073	10.62	117180	14.46
02	COMP-1	53258	7.81	231685	10.61	156275	14.46
03	COMP-2	52026	7.81	222996	10.61	147605	14.46
04	COMP-3	52080	7.81	225357	10.61	154264	14.46
05	COMP-3MS	51900	7.81	225052	10.62	155371	14.46
06	COMP-3MSD	51090	7.81	222054	10.62	153509	14.46
07	MCLEAN-TP2	53228	7.81	228045	10.62	159028	14.46
08	MCLEAN-TP9	53265	7.81	226160	10.61	157072	14.46
09	RBR200018MS	55347	7.81	235295	10.61	158824	14.46
10	RBR200018MSD	104641 *	7.81	442456 *	10.61	308226 *	14.46
11	BERGENSWITCH-COMP1MS	52087	7.81	228037	10.61	161904	14.46
12	BERGENSWITCH-COMP1MSD	51102	7.81	223947	10.61	155384	14.46
13	BUILDING-B-13- (0-5)	47820	7.81	214432	10.62	154657	14.46
14	B-P14B	47609	7.81	207397	10.61	135676	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.: BG080423 SAS No.: BG080423 SDG NO.: BG080423

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BG058514.D Time Analyzed: 09:18

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	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 PB154462BL	300073	17.21	300839	21.45	367157	24.52
02 COMP-1	343527	17.21	303783	21.45	373565	24.52
03 COMP-2	340069	17.21	303748	21.45	372236	24.52
04 COMP-3	343621	17.21	306498	21.45	375370	24.52
05 COMP-3MS	350382	17.21	299170	21.45	383920	24.52
06 COMP-3MSD	348844	17.21	298727	21.45	387166	24.52
07 MCLEAN-TP2	362169	17.21	318302	21.45	394665	24.52
08 MCLEAN-TP9	353383	17.21	312184	21.44	382563	24.52
09 RBR200018MS	363672	17.21	310244	21.45	384928	24.52
10 RBR200018MSD	692107	17.21	590619	21.45	758454	24.52
11 BERGENSWITCH-COMP1MS	364082	17.21	311635	21.45	407562	24.52
12 BERGENSWITCH-COMP1MSD	362764	17.20	311373	21.45	398422	24.52
13 BUILDING-B-13-(0-5)	352837	17.21	316143	21.44	388374	24.52
14 B-P14B	292570	17.21	256177	21.44	318053	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.: BG080423 SAS No.: BG080423 SDG NO.: BG080423

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BG058602.D Time Analyzed: 09:18

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	355555	17.207	316566	21.449	404990	24.522
UPPER LIMIT	711110	17.707	633132	21.949	809980	25.022
LOWER LIMIT	177777.5	16.707	158283	20.949	202495	24.022
EPA SAMPLE NO.						
01 PB154462BL	300073	17.21	300839	21.45	367157	24.52
02 COMP-1	343527	17.21	303783	21.45	373565	24.52
03 COMP-2	340069	17.21	303748	21.45	372236	24.52
04 COMP-3	343621	17.21	306498	21.45	375370	24.52
05 COMP-3MS	350382	17.21	299170	21.45	383920	24.52
06 COMP-3MSD	348844	17.21	298727	21.45	387166	24.52
07 MCLEAN-TP2	362169	17.21	318302	21.45	394665	24.52
08 MCLEAN-TP9	353383	17.21	312184	21.44	382563	24.52
09 RBR200018MS	363672	17.21	310244	21.45	384928	24.52
10 RBR200018MSD	692107	17.21	590619	21.45	758454	24.52
11 BERGENSWITCH-COMP1MS	364082	17.21	311635	21.45	407562	24.52
12 BERGENSWITCH-COMP1MSD	362764	17.20	311373	21.45	398422	24.52
13 BUILDING-B-13-(0-5)	352837	17.21	316143	21.44	388374	24.52
14 B-P14B	292570	17.21	256177	21.44	318053	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.



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BERGENSWITCH-COMP1M

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080423SAS No.: BG080423 SDG NO.: BG080423Lab File ID: BG058613.DLab Sample ID: O3657-01MSInstrument ID: BNA_GDate Extracted: 07/19/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 16:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BERGENSWITCH-COMP1MS	O3657-01MS	BG058613.D	08/04/2023
BERGENSWITCH-COMP1MSD	O3657-01MSD	BG058614.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RBR200018MSD

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080423SAS No.: BG080423 SDG NO.: BG080423Lab File ID: BG058612.DLab Sample ID: O3625-02MSDInstrument ID: BNA_GDate Extracted: 07/19/2023Matrix: (soil/water) waterDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 15:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RBR200018MSD	O3625-02MSD	BG058612.D	08/04/2023
RBR200018MS	O3625-02MS	BG058611.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

B-P14B

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080423SAS No.: BG080423 SDG NO.: BG080423Lab File ID: BG058616.DLab Sample ID: O3769-04Instrument ID: BNA_GDate Extracted: 07/26/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 18:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-P14B	O3769-04	BG058616.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154462BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080423SAS No.: BG080423 SDG NO.: BG080423Lab File ID: BG058603.DLab Sample ID: PB154462BLInstrument ID: BNA_GDate Extracted: 07/27/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 09:18

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

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

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BUILDING-B-13- (0-5)

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080423SAS No.: BG080423 SDG NO.: BG080423Lab File ID: BG058615.DLab Sample ID: O3840-01Instrument ID: BNA_GDate Extracted: 08/01/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 17:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BUILDING-B-13- (0-5)	O3840-01	BG058615.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

COMP-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080423SAS No.: BG080423 SDG NO.: BG080423Lab File ID: BG058604.DLab Sample ID: 03877-01Instrument ID: BNA_GDate Extracted: 08/03/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 10:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
COMP-1	03877-01	BG058604.D	08/04/2023
COMP-2	03877-04	BG058605.D	08/04/2023
COMP-3	03877-07	BG058606.D	08/04/2023
COMP-3MS	03877-07MS	BG058607.D	08/04/2023
COMP-3MSD	03877-07MSD	BG058608.D	08/04/2023
MCLEAN-TP2	03887-10	BG058609.D	08/04/2023
MCLEAN-TP9	03887-13	BG058610.D	08/04/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3657-01MS	Client Sample ID:	BERGENSWITCH-COMP1MS				DataFile:	BG058613.D			
n-Nitrosodimethylamine	1100		920	ug/Kg	84				66	124	
Pyridine	1100		710	ug/Kg	65				45	119	
Benzaldehyde	1100		840	ug/Kg	76				26	163	
Aniline	1100		540	ug/Kg	49				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		980	ug/Kg	89				74	116	
2-Chlorophenol	1100		1100	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1100		1100	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		1200	ug/Kg	109				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91				52	115	
Acetophenone	1100		960	ug/Kg	87				75	111	
3+4-Methylphenols	1100		1100	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1100		980	ug/Kg	89				59	119	
Hexachloroethane	1100		1100	ug/Kg	100				65	117	
Nitrobenzene	1100		960	ug/Kg	87				70	119	
Isophorone	1100		920	ug/Kg	84				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		1000	ug/Kg	91				83	144	
bis(2-Chloroethoxy)methane	1100		980	ug/Kg	89				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		950	ug/Kg	86				50	104	
Naphthalene	1100		980	ug/Kg	89				72	110	
4-Chloroaniline	1100		450	ug/Kg	41				10	100	
Hexachlorobutadiene	1100		980	ug/Kg	89				66	114	
Caprolactam	1100		1000	ug/Kg	91				51	134	
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100		960	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	2200		1400	ug/Kg	64				10	175	
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
2,4,5-Trichlorophenol	1100		960	ug/Kg	87				72	117	
1,1-Biphenyl	1100		970	ug/Kg	88				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100	150	1000	ug/Kg	77				70	113	
Acenaphthylene	1100		960	ug/Kg	87				79	118	
2,6-Dinitrotoluene	1100		970	ug/Kg	88				70	125	
3-Nitroaniline	1100		700	ug/Kg	64				20	111	
Acenaphthene	1100		980	ug/Kg	89				70	121	
Total PAH	17600		15700	ug/Kg	89				70	121	
2,4-Dinitrophenol	2200		800	ug/Kg	36				16	160	
4-Nitrophenol	2200		2000	ug/Kg	91				45	133	
Dibenzofuran	1100		950	ug/Kg	86				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1970	ug/Kg	90				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Limits		RPD
		Result				Qual		Qual	Low	High	
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	
Diethylphthalate	1100		930	ug/Kg	85				70	112	
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86				71	108	
Fluorene	1100		950	ug/Kg	86				68	116	
4-Nitroaniline	1100		970	ug/Kg	88				55	120	
4,6-Dinitro-2-methylphenol	1100		680	ug/Kg	62				32	145	
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91				73	118	
Azobenzene	1100		940	ug/Kg	85				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1200	ug/Kg	109				79	127	
Pentachlorophenol	2200		1800	ug/Kg	82				47	128	
Phenanthrene	1100		990	ug/Kg	90				72	113	
Anthracene	1100		980	ug/Kg	89				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100		990	ug/Kg	90				59	125	
Benzidine	2200		990	ug/Kg	45				10	119	
Pyrene	1100		1000	ug/Kg	91				52	128	
Butylbenzylphthalate	1100		1000	ug/Kg	91				64	126	
3,3-Dichlorobenzidine	1100		780	ug/Kg	71				10	164	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		980	ug/Kg	89				57	121	
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91				66	127	
Di-n-octyl phthalate	1100		1000	ug/Kg	91				71	126	
Benzo(b)fluoranthene	1100		1000	ug/Kg	91				67	121	
Benzo(k)fluoranthene	1100		1000	ug/Kg	91				74	114	
Benzo(a)pyrene	1100		960	ug/Kg	87				70	142	
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91				61	125	
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91				67	130	
Benzo(g,h,i)perylene	1100		930	ug/Kg	85				53	140	
1,2,4,5-Tetrachlorobenzene	1100		980	ug/Kg	89				69	124	
1,4-Dioxane	1100		770	ug/Kg	70				46	112	
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91				56	133	
1-Methylnaphthalene	1100		950	ug/Kg	86				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3657-01MSD	Client Sample ID:	BERGENSWITCH-COMP1MSD				DataFile:	BG058614.D			
n-Nitrosodimethylamine	1100		900	ug/Kg	82		2		66	124	20
Pyridine	1100		680	ug/Kg	62		5		45	119	20
Benzaldehyde	1100		810	ug/Kg	74		3		26	163	20
Aniline	1100		520	ug/Kg	47		4		10	88	20
Phenol	1100		1100	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	1100		940	ug/Kg	85		5		74	116	20
2-Chlorophenol	1100		1100	ug/Kg	100		0		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		9		61	105	20
1,3-Dichlorobenzene	1100		990	ug/Kg	90		1		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		0		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		9		47	126	20
2-Methylphenol	1100		980	ug/Kg	89		2		66	122	20
2,2-oxybis(1-Chloropropane)	1100		990	ug/Kg	90		1		52	115	20
Acetophenone	1100		910	ug/Kg	83		5		75	111	20
3+4-Methylphenols	1100		1000	ug/Kg	91		9		53	132	20
N-Nitroso-di-n-propylamine	1100		910	ug/Kg	83		7		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		9		65	117	20
Nitrobenzene	1100		920	ug/Kg	84		4		70	119	20
Isophorone	1100		860	ug/Kg	78		7		76	122	20
2-Nitrophenol	1100		960	ug/Kg	87		4		54	145	20
2,4-Dimethylphenol	1100		960	ug/Kg	87		4		83	144	20
bis(2-Chloroethoxy)methane	1100		910	ug/Kg	83		7		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		9		72	118	20
1,2,4-Trichlorobenzene	1100		960	ug/Kg	87		4		57	103	20
Benzoic acid	1100		990	ug/Kg	90		5		50	104	20
Naphthalene	1100		920	ug/Kg	84		6		72	110	20
4-Chloroaniline	1100		480	ug/Kg	44		7		10	100	20
Hexachlorobutadiene	1100		910	ug/Kg	83		7		66	114	20
Caprolactam	1100		960	ug/Kg	87		4		51	134	20
4-Chloro-3-methylphenol	1100		980	ug/Kg	89		12		57	132	20
2-Methylnaphthalene	1100		900	ug/Kg	82		6		59	123	20
Hexachlorocyclopentadiene	2200		1300	ug/Kg	59		8		10	175	20
2,4,6-Trichlorophenol	1100		980	ug/Kg	89		2		72	117	20
2,4,5-Trichlorophenol	1100		910	ug/Kg	83		5		72	117	20
1,1-Biphenyl	1100		930	ug/Kg	85		3		75	113	20
2-Chloronaphthalene	1100		960	ug/Kg	87		4		67	118	20
2-Nitroaniline	1100		970	ug/Kg	88		3		69	127	20
Dimethylphthalate	1100	150	1000	ug/Kg	77		0		70	113	20
Acenaphthylene	1100		930	ug/Kg	85		2		79	118	20
2,6-Dinitrotoluene	1100		930	ug/Kg	85		3		70	125	20
3-Nitroaniline	1100		690	ug/Kg	63		2		20	111	20
Acenaphthene	1100		930	ug/Kg	85		5		70	121	20
Total PAH	17600		14860	ug/Kg	84		6		70	121	20
2,4-Dinitrophenol	2200		960	ug/Kg	44		20		16	160	20
4-Nitrophenol	2200		2000	ug/Kg	91		0		45	133	20
Dibenzofuran	1100		910	ug/Kg	83		4		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1870	ug/Kg	85		6		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1100		940	ug/Kg	85		7		55	128	20
Diethylphthalate	1100		890	ug/Kg	81		5		70	112	20
4-Chlorophenyl-phenylether	1100		910	ug/Kg	83		4		71	108	20
Fluorene	1100		920	ug/Kg	84		2		68	116	20
4-Nitroaniline	1100		940	ug/Kg	85		3		55	120	20
4,6-Dinitro-2-methylphenol	1100		740	ug/Kg	67		8		32	145	20
N-Nitrosodiphenylamine	1100		940	ug/Kg	85		7		73	118	20
Azobenzene	1100		910	ug/Kg	83		2		73	110	20
4-Bromophenyl-phenylether	1100		920	ug/Kg	84		8		65	121	20
Hexachlorobenzene	1100		990	ug/Kg	90		11		67	118	20
Atrazine	1100		1100	ug/Kg	100		9		79	127	20
Pentachlorophenol	2200		1700	ug/Kg	77		6		47	128	20
Phenanthrene	1100		920	ug/Kg	84		7		72	113	20
Anthracene	1100		920	ug/Kg	84		6		62	124	20
Carbazole	1100		970	ug/Kg	88		3		59	119	20
Di-n-butylphthalate	1100		960	ug/Kg	87		4		69	118	20
Fluoranthene	1100		920	ug/Kg	84		7		59	125	20
Benzidine	2200		1000	ug/Kg	45		0		10	119	20
Pyrene	1100		930	ug/Kg	85		7		52	128	20
Butylbenzylphthalate	1100		960	ug/Kg	87		4		64	126	20
3,3-Dichlorobenzidine	1100		750	ug/Kg	68		4		10	164	20
Benzo(a)anthracene	1100		950	ug/Kg	86		6		71	114	20
Chrysene	1100		910	ug/Kg	83		7		57	121	20
bis(2-Ethylhexyl)phthalate	1100		960	ug/Kg	87		4		66	127	20
Di-n-octyl phthalate	1100		960	ug/Kg	87		4		71	126	20
Benzo(b)fluoranthene	1100		1000	ug/Kg	91		0		67	121	20
Benzo(k)fluoranthene	1100		980	ug/Kg	89		2		74	114	20
Benzo(a)pyrene	1100		900	ug/Kg	82		6		70	142	20
Indeno(1,2,3-cd)pyrene	1100		940	ug/Kg	85		7		61	125	20
Dibenz(a,h)anthracene	1100		950	ug/Kg	86		6		67	130	20
Benzo(g,h,i)perylene	1100		840	ug/Kg	76		11		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		940	ug/Kg	85		5		69	124	20
1,4-Dioxane	1100		740	ug/Kg	67		4		46	112	20
2,3,4,6-Tetrachlorophenol	1100		970	ug/Kg	88		3		56	133	20
1-Methylnaphthalene	1100		890	ug/Kg	81		6		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3877-07MS	Client Sample ID:	COMP-3MS					DataFile:	BG058607.D		
n-Nitrosodimethylamine	1100		950	ug/Kg	86				66	124	
Pyridine	1100		750	ug/Kg	68				45	119	
Benzaldehyde	1100		820	ug/Kg	75				26	163	
Aniline	1100		680	ug/Kg	62				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91				74	116	
2-Chlorophenol	1100		1100	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1100		1100	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1100		1100	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1100		1100	ug/Kg	100				63	104	
Benzyl Alcohol	1100		1200	ug/Kg	109				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91				52	115	
Acetophenone	1100		970	ug/Kg	88				75	111	
3+4-Methylphenols	1100		1000	ug/Kg	91				53	132	
N-Nitroso-di-n-propylamine	1100		960	ug/Kg	87				59	119	
Hexachloroethane	1100		1100	ug/Kg	100				65	117	
Nitrobenzene	1100		950	ug/Kg	86				70	119	
Isophorone	1100		900	ug/Kg	82				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		970	ug/Kg	88				83	144	
bis(2-Chloroethoxy)methane	1100		960	ug/Kg	87				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		1000	ug/Kg	91				50	104	
Naphthalene	1100		970	ug/Kg	88				72	110	
4-Chloroaniline	1100		580	ug/Kg	53				10	100	
Hexachlorobutadiene	1100		970	ug/Kg	88				66	114	
Caprolactam	1100		980	ug/Kg	89				51	134	
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91				57	132	
2-Methylnaphthalene	1100		940	ug/Kg	85				59	123	
Hexachlorocyclopentadiene	2200		1400	ug/Kg	64				10	175	
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
2,4,5-Trichlorophenol	1100		940	ug/Kg	85				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100		920	ug/Kg	84				70	113	
Acenaphthylene	1100		1000	ug/Kg	91				79	118	
2,6-Dinitrotoluene	1100		970	ug/Kg	88				70	125	
3-Nitroaniline	1100		800	ug/Kg	73				20	111	
Acenaphthene	1100		980	ug/Kg	89				70	121	
Total PAH	17600		15760	ug/Kg	90				70	121	
2,4-Dinitrophenol	2200		1400	ug/Kg	64				16	160	
4-Nitrophenol	2200		1900	ug/Kg	86				45	133	
Dibenzofuran	1100		960	ug/Kg	87				72	110	
2,4-Dinitrotoluene	1100		980	ug/Kg	89				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1950	ug/Kg	89				55	128	
Diethylphthalate	1100		920	ug/Kg	84				70	112	
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86				71	108	
Fluorene	1100		950	ug/Kg	86				68	116	
4-Nitroaniline	1100		970	ug/Kg	88				55	120	
4,6-Dinitro-2-methylphenol	1100		900	ug/Kg	82				32	145	
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91				73	118	
Azobenzene	1100		1000	ug/Kg	91				73	110	
4-Bromophenyl-phenylether	1100		980	ug/Kg	89				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		1200	ug/Kg	109				79	127	
Pentachlorophenol	2200		1700	ug/Kg	77				47	128	
Phenanthrene	1100		980	ug/Kg	89				72	113	
Anthracene	1100		980	ug/Kg	89				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100		980	ug/Kg	89				59	125	
Benzidine	2200		1900	ug/Kg	86				10	119	
Pyrene	1100		980	ug/Kg	89				52	128	
Butylbenzylphthalate	1100		1000	ug/Kg	91				64	126	
3,3-Dichlorobenzidine	1100		830	ug/Kg	75				10	164	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		970	ug/Kg	88				57	121	
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91				66	127	
Di-n-octyl phthalate	1100		1000	ug/Kg	91				71	126	
Benzo(b)fluoranthene	1100		1100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1100		1000	ug/Kg	91				74	114	
Benzo(a)pyrene	1100		970	ug/Kg	88				70	142	
Indeno(1,2,3-cd)pyrene	1100		980	ug/Kg	89				61	125	
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91				67	130	
Benzo(g,h,i)perylene	1100		920	ug/Kg	84				53	140	
1,2,4,5-Tetrachlorobenzene	1100		990	ug/Kg	90				69	124	
1,4-Dioxane	1100		820	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1100		970	ug/Kg	88				56	133	
1-Methylnaphthalene	1100		960	ug/Kg	87				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O3877-07MSD	Client Sample ID:	COMP-3MSD				DataFile:	BG058608.D			
n-Nitrosodimethylamine	1100		950	ug/Kg	86	0			66	124	20
Pyridine	1100		760	ug/Kg	69	1			45	119	20
Benzaldehyde	1100		850	ug/Kg	77	3			26	163	20
Aniline	1100		690	ug/Kg	63	2			10	88	20
Phenol	1100		1100	ug/Kg	100	0			67	126	20
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91	0			74	116	20
2-Chlorophenol	1100		1100	ug/Kg	100	0			61	138	20
1,2-Dichlorobenzene	1100		1100	ug/Kg	100	0			61	105	20
1,3-Dichlorobenzene	1100		1100	ug/Kg	100	0			62	101	20
1,4-Dichlorobenzene	1100		1100	ug/Kg	100	0			63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100	9			47	126	20
2-Methylphenol	1100		1000	ug/Kg	91	0			66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91	0			52	115	20
Acetophenone	1100		970	ug/Kg	88	0			75	111	20
3+4-Methylphenols	1100		1100	ug/Kg	100	9			53	132	20
N-Nitroso-di-n-propylamine	1100		970	ug/Kg	88	1			59	119	20
Hexachloroethane	1100		1100	ug/Kg	100	0			65	117	20
Nitrobenzene	1100		960	ug/Kg	87	1			70	119	20
Isophorone	1100		900	ug/Kg	82	0			76	122	20
2-Nitrophenol	1100		1000	ug/Kg	91	0			54	145	20
2,4-Dimethylphenol	1100		1000	ug/Kg	91	3			83	144	20
bis(2-Chloroethoxy)methane	1100		970	ug/Kg	88	1			68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100	0			72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91	0			57	103	20
Benzoic acid	1100		1100	ug/Kg	100	9			50	104	20
Naphthalene	1100		970	ug/Kg	88	0			72	110	20
4-Chloroaniline	1100		570	ug/Kg	52	2			10	100	20
Hexachlorobutadiene	1100		970	ug/Kg	88	0			66	114	20
Caprolactam	1100		940	ug/Kg	85	5			51	134	20
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91	0			57	132	20
2-Methylnaphthalene	1100		940	ug/Kg	85	0			59	123	20
Hexachlorocyclopentadiene	2200		1400	ug/Kg	64	0			10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91	0			72	117	20
2,4,5-Trichlorophenol	1100		950	ug/Kg	86	1			72	117	20
1,1-Biphenyl	1100		990	ug/Kg	90	1			75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91	0			67	118	20
2-Nitroaniline	1100		1000	ug/Kg	91	0			69	127	20
Dimethylphthalate	1100		930	ug/Kg	85	1			70	113	20
Acenaphthylene	1100		1000	ug/Kg	91	0			79	118	20
2,6-Dinitrotoluene	1100		980	ug/Kg	89	1			70	125	20
3-Nitroaniline	1100		780	ug/Kg	71	3			20	111	20
Acenaphthene	1100		970	ug/Kg	88	1			70	121	20
Total PAH	17600		15760	ug/Kg	90	0			70	121	20
2,4-Dinitrophenol	2200		1500	ug/Kg	68	6			16	160	20
4-Nitrophenol	2200		2000	ug/Kg	91	6			45	133	20
Dibenzofuran	1100		960	ug/Kg	87	0			72	110	20
2,4-Dinitrotoluene	1100		990	ug/Kg	90	1			55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1970	ug/Kg	90		1		55	128	20
Diethylphthalate	1100		930	ug/Kg	85		1		70	112	20
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86		0		71	108	20
Fluorene	1100		960	ug/Kg	87		1		68	116	20
4-Nitroaniline	1100		990	ug/Kg	90		2		55	120	20
4,6-Dinitro-2-methylphenol	1100		900	ug/Kg	82		0		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		0		73	118	20
Azobenzene	1100		1000	ug/Kg	91		0		73	110	20
4-Bromophenyl-phenylether	1100		990	ug/Kg	90		1		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		0		67	118	20
Atrazine	1100		1200	ug/Kg	109		0		79	127	20
Pentachlorophenol	2200		1700	ug/Kg	77		0		47	128	20
Phenanthrene	1100		980	ug/Kg	89		0		72	113	20
Anthracene	1100		980	ug/Kg	89		0		62	124	20
Carbazole	1100		1000	ug/Kg	91		0		59	119	20
Di-n-butylphthalate	1100		1000	ug/Kg	91		0		69	118	20
Fluoranthene	1100		990	ug/Kg	90		1		59	125	20
Benzidine	2200		2000	ug/Kg	91		6		10	119	20
Pyrene	1100		990	ug/Kg	90		1		52	128	20
Butylbenzylphthalate	1100		1000	ug/Kg	91		0		64	126	20
3,3-Dichlorobenzidine	1100		850	ug/Kg	77		3		10	164	20
Benzo(a)anthracene	1100		1000	ug/Kg	91		0		71	114	20
Chrysene	1100		970	ug/Kg	88		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91		0		66	127	20
Di-n-octyl phthalate	1100		1000	ug/Kg	91		0		71	126	20
Benzo(b)fluoranthene	1100		1100	ug/Kg	100		0		67	121	20
Benzo(k)fluoranthene	1100		990	ug/Kg	90		1		74	114	20
Benzo(a)pyrene	1100		960	ug/Kg	87		1		70	142	20
Indeno(1,2,3-cd)pyrene	1100		990	ug/Kg	90		1		61	125	20
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91		0		67	130	20
Benzo(g,h,i)perylene	1100		910	ug/Kg	83		1		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		1		69	124	20
1,4-Dioxane	1100		840	ug/Kg	76		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91		3		56	133	20
1-Methylnaphthalene	1100		950	ug/Kg	86		1		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3625-02MS	Client Sample ID:	RBR200018MS					DataFile:	BG058611.D		
n-Nitrosodimethylamine	500		390	ug/L	78				10	130	
Pyridine	500		300	ug/L	60				10	109	
Benzaldehyde	500		230	ug/L	46				10	137	
Aniline	500		210	ug/L	42				10	130	
Phenol	500		430	ug/L	86				10	130	
bis(2-Chloroethyl)ether	500		410	ug/L	82				29	141	
2-Chlorophenol	500		470	ug/L	94				23	127	
1,2-Dichlorobenzene	500		410	ug/L	82				61	114	
1,3-Dichlorobenzene	500		380	ug/L	76				65	106	
1,4-Dichlorobenzene	500		390	ug/L	78				55	125	
Benzyl Alcohol	500		510	ug/L	102	*			31	94	
2-Methylphenol	500		430	ug/L	86				23	132	
2,2-oxybis(1-Chloropropane)	500		430	ug/L	86				36	141	
Acetophenone	500		420	ug/L	84				31	164	
3+4-Methylphenols	500		450	ug/L	90				17	136	
N-Nitroso-di-n-propylamine	500		420	ug/L	84				36	147	
Hexachloroethane	500		380	ug/L	76				35	137	
Nitrobenzene	500		420	ug/L	84				40	134	
Isophorone	500		410	ug/L	82				39	146	
2-Nitrophenol	500		440	ug/L	88				30	148	
2,4-Dimethylphenol	500		470	ug/L	94				17	143	
bis(2-Chloroethoxy)methane	500		440	ug/L	88				39	143	
2,4-Dichlorophenol	500		470	ug/L	94				22	146	
1,2,4-Trichlorobenzene	500		420	ug/L	84				66	110	
Benzoic acid	500		98.6	ug/L	20				10	101	
Naphthalene	500		410	ug/L	82				17	157	
4-Chloroaniline	500		88.4	ug/L	18				10	95	
Hexachlorobutadiene	500		390	ug/L	78				52	125	
Caprolactam	500		390	ug/L	78				10	130	
4-Chloro-3-methylphenol	500		460	ug/L	92				17	148	
2-Methylnaphthalene	500		410	ug/L	82				38	146	
Hexachlorocyclopentadiene	1000		510	ug/L	51				20	153	
2,4,6-Trichlorophenol	500		470	ug/L	94				46	139	
2,4,5-Trichlorophenol	500		440	ug/L	88				42	129	
1,1-Biphenyl	500		440	ug/L	88				38	154	
2-Chloronaphthalene	500		450	ug/L	90				41	145	
2-Nitroaniline	500		470	ug/L	94				39	151	
Dimethylphthalate	500		450	ug/L	90				42	147	
Acenaphthylene	500		440	ug/L	88				40	141	
2,6-Dinitrotoluene	500		450	ug/L	90				43	148	
3-Nitroaniline	500		290	ug/L	58				10	111	
Acenaphthene	500		450	ug/L	90				37	146	
Total PAH	8000		7310	ug/L	91				37	146	
2,4-Dinitrophenol	1000		310	ug/L	31				14	167	
4-Nitrophenol	1000		810	ug/L	81				10	130	
Dibenzofuran	500		440	ug/L	88				41	145	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		900	ug/L	90				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	500		450	ug/L	90				40	151	
Diethylphthalate	500		430	ug/L	86				41	148	
4-Chlorophenyl-phenylether	500		440	ug/L	88				38	149	
Fluorene	500		440	ug/L	88				39	144	
4-Nitroaniline	500		460	ug/L	92				27	138	
4,6-Dinitro-2-methylphenol	500		230	ug/L	46				32	175	
N-Nitrosodiphenylamine	500		460	ug/L	92				40	150	
Azobenzene	500		440	ug/L	88				72	112	
4-Bromophenyl-phenylether	500		450	ug/L	90				42	151	
Hexachlorobenzene	500		480	ug/L	96				60	129	
Atrazine	500		550	ug/L	110				20	162	
Pentachlorophenol	1000		530	ug/L	53				15	137	
Phenanthrene	500		450	ug/L	90				40	147	
Anthracene	500		440	ug/L	88				41	146	
Carbazole	500		470	ug/L	94				37	154	
Di-n-butylphthalate	500		470	ug/L	94				40	151	
Fluoranthene	500		450	ug/L	90				42	146	
Benzidine	1000		270	ug/L	27				10	130	
Pyrene	500		460	ug/L	92				41	149	
Butylbenzylphthalate	500		470	ug/L	94				39	155	
3,3-Dichlorobenzidine	500		330	ug/L	66				10	114	
Benzo(a)anthracene	500		460	ug/L	92				41	147	
Chrysene	500		450	ug/L	90				44	144	
bis(2-Ethylhexyl)phthalate	500		470	ug/L	94				33	160	
Di-n-octyl phthalate	500		480	ug/L	96				36	158	
Benzo(b)fluoranthene	500		510	ug/L	102				40	150	
Benzo(k)fluoranthene	500		490	ug/L	98				40	147	
Benzo(a)pyrene	500		460	ug/L	92				42	147	
Indeno(1,2,3-cd)pyrene	500		490	ug/L	98				30	166	
Dibenz(a,h)anthracene	500		480	ug/L	96				23	172	
Benzo(g,h,i)perylene	500		430	ug/L	86				27	167	
1,2,4,5-Tetrachlorobenzene	500		440	ug/L	88	*			89	102	
1,4-Dioxane	500		320	ug/L	64				38	130	
2,3,4,6-Tetrachlorophenol	500		440	ug/L	88	*			91	111	
1-Methylnaphthalene	500		410	ug/L	82				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3625-02MSD	Client Sample ID:	RBR200018MSD					DataFile:	BG058612.D		
n-Nitrosodimethylamine	500		210	ug/L	42		60	*	10	130	20
Pyridine	500		160	ug/L	32		61	*	10	109	20
Benzaldehyde	500		120	ug/L	24		63	*	10	137	20
Aniline	500		110	ug/L	22		63	*	10	130	20
Phenol	500		220	ug/L	44		65	*	10	130	20
bis(2-Chloroethyl)ether	500		210	ug/L	42		65	*	29	141	20
2-Chlorophenol	500		240	ug/L	48		65	*	23	127	20
1,2-Dichlorobenzene	500		210	ug/L	42	*	65	*	61	114	20
1,3-Dichlorobenzene	500		200	ug/L	40	*	62	*	65	106	20
1,4-Dichlorobenzene	500		200	ug/L	40	*	64	*	55	125	20
Benzyl Alcohol	500		270	ug/L	54		62	*	31	94	20
2-Methylphenol	500		230	ug/L	46		61	*	23	132	20
2,2-oxybis(1-Chloropropane)	500		230	ug/L	46		61	*	36	141	20
Acetophenone	500		220	ug/L	44		63	*	31	164	20
3+4-Methylphenols	500		230	ug/L	46		65	*	17	136	20
N-Nitroso-di-n-propylamine	500		220	ug/L	44		63	*	36	147	20
Hexachloroethane	500		200	ug/L	40		62	*	35	137	20
Nitrobenzene	500		220	ug/L	44		63	*	40	134	20
Isophorone	500		220	ug/L	44		60	*	39	146	20
2-Nitrophenol	500		230	ug/L	46		63	*	30	148	20
2,4-Dimethylphenol	500		250	ug/L	50		61	*	17	143	20
bis(2-Chloroethoxy)methane	500		230	ug/L	46		63	*	39	143	20
2,4-Dichlorophenol	500		250	ug/L	50		61	*	22	146	20
1,2,4-Trichlorobenzene	500		230	ug/L	46	*	58	*	66	110	20
Benzoic acid	500		76.3	ug/L	15		29	*	10	101	20
Naphthalene	500		220	ug/L	44		60	*	17	157	20
4-Chloroaniline	500		48.9	ug/L	10		57	*	10	95	20
Hexachlorobutadiene	500		200	ug/L	40	*	64	*	52	125	20
Caprolactam	500		210	ug/L	42		60	*	10	130	20
4-Chloro-3-methylphenol	500		250	ug/L	50		59	*	17	148	20
2-Methylnaphthalene	500		220	ug/L	44		60	*	38	146	20
Hexachlorocyclopentadiene	1000		280	ug/L	28		58	*	20	153	20
2,4,6-Trichlorophenol	500		240	ug/L	48		65	*	46	139	20
2,4,5-Trichlorophenol	500		230	ug/L	46		63	*	42	129	20
1,1-Biphenyl	500		230	ug/L	46		63	*	38	154	20
2-Chloronaphthalene	500		240	ug/L	48		61	*	41	145	20
2-Nitroaniline	500		250	ug/L	50		61	*	39	151	20
Dimethylphthalate	500		230	ug/L	46		65	*	42	147	20
Acenaphthylene	500		230	ug/L	46		63	*	40	141	20
2,6-Dinitrotoluene	500		240	ug/L	48		61	*	43	148	20
3-Nitroaniline	500		160	ug/L	32		58	*	10	111	20
Acenaphthene	500		230	ug/L	46		65	*	37	146	20
Total PAH	8000		3820	ug/L	48		62	*	37	146	20
2,4-Dinitrophenol	1000		170	ug/L	17		58	*	14	167	20
4-Nitrophenol	1000		430	ug/L	43		61	*	10	130	20
Dibenzofuran	500		230	ug/L	46		63	*	41	145	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		480	ug/L	48		61	*	40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080423

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
						Qual		Qual		High	RPD
2,4-Dinitrotoluene	500		240	ug/L	48		61	*	40	151	20
Diethylphthalate	500		230	ug/L	46		61	*	41	148	20
4-Chlorophenyl-phenylether	500		230	ug/L	46		63	*	38	149	20
Fluorene	500		230	ug/L	46		63	*	39	144	20
4-Nitroaniline	500		240	ug/L	48		63	*	27	138	20
4,6-Dinitro-2-methylphenol	500		100	ug/L	20	*	79	*	32	175	20
N-Nitrosodiphenylamine	500		240	ug/L	48		63	*	40	150	20
Azobenzene	500		230	ug/L	46	*	63	*	72	112	20
4-Bromophenyl-phenylether	500		240	ug/L	48		61	*	42	151	20
Hexachlorobenzene	500		260	ug/L	52	*	59	*	60	129	20
Atrazine	500		290	ug/L	58		62	*	20	162	20
Pentachlorophenol	1000		250	ug/L	25		72	*	15	137	20
Phenanthrene	500		240	ug/L	48		61	*	40	147	20
Anthracene	500		240	ug/L	48		59	*	41	146	20
Carbazole	500		250	ug/L	50		61	*	37	154	20
Di-n-butylphthalate	500		250	ug/L	50		61	*	40	151	20
Fluoranthene	500		240	ug/L	48		61	*	42	146	20
Benzidine	1000		130	ug/L	13		70	*	10	130	20
Pyrene	500		240	ug/L	48		63	*	41	149	20
Butylbenzylphthalate	500		250	ug/L	50		61	*	39	155	20
3,3-Dichlorobenzidine	500		180	ug/L	36		59	*	10	114	20
Benzo(a)anthracene	500		240	ug/L	48		63	*	41	147	20
Chrysene	500		240	ug/L	48		61	*	44	144	20
bis(2-Ethylhexyl)phthalate	500		250	ug/L	50		61	*	33	160	20
Di-n-octyl phthalate	500		250	ug/L	50		63	*	36	158	20
Benzo(b)fluoranthene	500		260	ug/L	52		65	*	40	150	20
Benzo(k)fluoranthene	500		250	ug/L	50		65	*	40	147	20
Benzo(a)pyrene	500		240	ug/L	48		63	*	42	147	20
Indeno(1,2,3-cd)pyrene	500		240	ug/L	48		68	*	30	166	20
Dibenz(a,h)anthracene	500		250	ug/L	50		63	*	23	172	20
Benzo(g,h,i)perylene	500		230	ug/L	46		61	*	27	167	20
1,2,4,5-Tetrachlorobenzene	500		230	ug/L	46	*	63	*	89	102	20
1,4-Dioxane	500		160	ug/L	32	*	67	*	38	130	20
2,3,4,6-Tetrachlorophenol	500		240	ug/L	48	*	59	*	91	111	20
1-Methylnaphthalene	500		220	ug/L	44		60	*	25	151	20



Surrogate Summary
SW-846

SDG No.: BG080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3657-01MS	BERGENSWITCH-BG058613.D		2-Fluorophenol	150	104.02	69		18	112
			Phenol-d6	150	103.37	69		15	107
			Nitrobenzene-d5	100	64.59	65		18	107
			2-Fluorobiphenyl	100	61.87	62		20	109
			2,4,6-Tribromophenol	150	92.44	62		10	110
			Terphenyl-d14	100	68.96	69		14	112
O3657-01MSD	BERGENSWITCH-BG058614.D		2-Fluorophenol	150	98.22	65		18	112
			Phenol-d6	150	98.35	66		15	107
			Nitrobenzene-d5	100	60.29	60		18	107
			2-Fluorobiphenyl	100	59.43	59		20	109
			2,4,6-Tribromophenol	150	89.04	59		10	110
			Terphenyl-d14	100	64.03	64		14	112



Surrogate Summary
SW-846

SDG No.: BG080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3625-02MS	RBR200018MS	BG058611.D	2-Fluorophenol	150	123.00	82		10	139
			Phenol-d6	150	115.18	77		10	134
			Nitrobenzene-d5	100	84.23	84		49	133
			2-Fluorobiphenyl	100	84.26	84		52	132
			2,4,6-Tribromophenol	150	118.85	79		32	145
			Terphenyl-d14	100	92.59	93		36	145
O3625-02MSD	RBR200018MSD	BG058612.D	2-Fluorophenol	150	64.85	43		10	139
			Phenol-d6	150	60.83	41		10	134
			Nitrobenzene-d5	100	44.84	45	*	49	133
			2-Fluorobiphenyl	100	43.44	43	*	52	132
			2,4,6-Tribromophenol	150	63.22	42		32	145
			Terphenyl-d14	100	49.33	49		36	145



Surrogate Summary
SW-846

SDG No.: BG080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3769-04	B-P14B	BG058616.D	2-Fluorophenol	150	90.31	60		18	112
			Phenol-d6	150	91.42	61		15	107
			Nitrobenzene-d5	100	55.70	56		18	107
			2-Fluorobiphenyl	100	59.15	59		20	109
			2,4,6-Tribromophenol	150	73.52	49		10	110
			Terphenyl-d14	100	56.50	57		14	112



Surrogate Summary
SW-846

SDG No.: BG080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154462BL	PB154462BL	BG058603.D	2-Fluorophenol	150	150.11	100		18	112
			Phenol-d6	150	144.96	97		15	107
			Nitrobenzene-d5	100	92.70	93		18	107
			2-Fluorobiphenyl	100	94.31	94		20	109
			2,4,6-Tribromophenol	150	134.41	90		10	110
			Terphenyl-d14	100	96.52	97		14	112



Surrogate Summary
SW-846

SDG No.: BG080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3840-01	BUILDING-B-13-(BG058615.D		2-Fluorophenol	150	64.54	43		18	112
			Phenol-d6	150	66.67	44		15	107
			Nitrobenzene-d5	100	39.11	39		18	107
			2-Fluorobiphenyl	100	36.81	37		20	109
			2,4,6-Tribromophenol	150	54.68	36		10	110
			Terphenyl-d14	100	40.82	41		14	112

Surrogate Summary

SW-846

SDG No.: BG080423

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3877-01	COMP-1	BG058604.D	2-Fluorophenol	150	75.81	51		18	112
			Phenol-d6	150	75.71	50		15	107
			Nitrobenzene-d5	100	47.01	47		18	107
			2-Fluorobiphenyl	100	49.03	49		20	109
			2,4,6-Tribromophenol	150	63.24	42		10	110
			Terphenyl-d14	100	50.89	51		14	112
O3877-04	COMP-2	BG058605.D	2-Fluorophenol	150	77.71	52		18	112
			Phenol-d6	150	76.91	51		15	107
			Nitrobenzene-d5	100	48.48	48		18	107
			2-Fluorobiphenyl	100	51.85	52		20	109
			2,4,6-Tribromophenol	150	66.82	45		10	110
			Terphenyl-d14	100	52.80	53		14	112
O3877-07	COMP-3	BG058606.D	2-Fluorophenol	150	116.15	77		18	112
			Phenol-d6	150	115.08	77		15	107
			Nitrobenzene-d5	100	71.75	72		18	107
			2-Fluorobiphenyl	100	70.80	71		20	109
			2,4,6-Tribromophenol	150	95.44	64		10	110
			Terphenyl-d14	100	72.50	73		14	112
O3877-07MS	COMP-3MS	BG058607.D	2-Fluorophenol	150	100.11	67		18	112
			Phenol-d6	150	97.70	65		15	107
			Nitrobenzene-d5	100	60.19	60		18	107
			2-Fluorobiphenyl	100	58.40	58		20	109
			2,4,6-Tribromophenol	150	84.75	57		10	110
			Terphenyl-d14	100	64.31	64		14	112
O3877-07MSD	COMP-3MSD	BG058608.D	2-Fluorophenol	150	100.05	67		18	112
			Phenol-d6	150	97.91	65		15	107
			Nitrobenzene-d5	100	60.11	60		18	107
			2-Fluorobiphenyl	100	59.31	59		20	109
			2,4,6-Tribromophenol	150	85.87	57		10	110
			Terphenyl-d14	100	64.59	65		14	112
O3887-10	MCLEAN-TP2	BG058609.D	2-Fluorophenol	150	97.32	65		18	112
			Phenol-d6	150	97.03	65		15	107
			Nitrobenzene-d5	100	59.60	60		18	107
			2-Fluorobiphenyl	100	60.40	60		20	109
			2,4,6-Tribromophenol	150	83.43	56		10	110
			Terphenyl-d14	100	62.89	63		14	112
O3887-13	MCLEAN-TP9	BG058610.D	2-Fluorophenol	150	77.20	51		18	112
			Phenol-d6	150	79.26	53		15	107
			Nitrobenzene-d5	100	48.25	48		18	107
			2-Fluorobiphenyl	100	50.61	51		20	109
			2,4,6-Tribromophenol	150	67.01	45		10	110
			Terphenyl-d14	100	54.22	54		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG080423

Lab Code: CHEM

SAS No.: BG080423 SDG NO.: BG080423

Lab File ID: BG058601.D

DFTPP Injection Date: 08/04/2023

Instrument ID: BNA_G

DFTPP Injection Time: 07:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	32.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	39.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	84.3
443	15.0 - 24.0% of mass 442	15.8 (18.8) 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	BG058602.D	08/04/2023	08:38
PB154462BL	PB154462BL	BG058603.D	08/04/2023	09:18
COMP-1	O3877-01	BG058604.D	08/04/2023	10:03
COMP-2	O3877-04	BG058605.D	08/04/2023	10:43
COMP-3	O3877-07	BG058606.D	08/04/2023	11:24
COMP-3MS	O3877-07MS	BG058607.D	08/04/2023	12:05
COMP-3MSD	O3877-07MSD	BG058608.D	08/04/2023	12:46
MCLEAN-TP2	O3887-10	BG058609.D	08/04/2023	13:26
MCLEAN-TP9	O3887-13	BG058610.D	08/04/2023	14:07
RBR200018MS	O3625-02MS	BG058611.D	08/04/2023	14:48
RBR200018MSD	O3625-02MSD	BG058612.D	08/04/2023	15:29
BERGENSWITCH-COMP1MS	O3657-01MS	BG058613.D	08/04/2023	16:09
BERGENSWITCH-COMP1MSD	O3657-01MSD	BG058614.D	08/04/2023	16:50
BUILDING-B-13- (0-5)	O3840-01	BG058615.D	08/04/2023	17:31
B-P14B	O3769-04	BG058616.D	08/04/2023	18:12