

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM110923 SAS No.: BM110923 SDG No.: BM110923

Instrument ID: BNA_M Calibration Date/Time: 11/9/2023 11:53

Lab File ID: BM042668.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	0.815	1.076		32.025	
Pyridine	1.694	1.493		-11.865	
2-Fluorophenol	1.239	1.167		-5.811	
Benzaldehyde	0.980	1.099		12.143	
Aniline	2.160	2.015		-6.713	
Phenol-d6	1.700	1.682		-1.059	
Phenol	1.726	1.652		-4.287	20.0
bis(2-Chloroethyl)ether	1.460	1.268		-13.151	
2-Chlorophenol	1.336	1.245		-6.811	
1,2-Dichlorobenzene	1.411	1.379		-2.268	
1,3-Dichlorobenzene	1.444	1.368		-5.263	
1,4-Dichlorobenzene	1.462	1.392		-4.788	20.0
Benzyl Alcohol	1.203	1.302		8.229	
2-Methylphenol	1.222	1.165		-4.664	
2,2-oxybis(1-Chloropropane)	2.325	2.120		-8.817	
Acetophenone	0.504	0.532		5.556	
3+4-Methylphenols	1.634	1.624		-0.612	
n-Nitroso-di-n-propylamine	1.202	1.247	0.050	3.744	
Nitrobenzene-d5	0.429	0.497		15.851	
Hexachloroethane	0.572	0.584		2.098	
Nitrobenzene	0.423	0.473		11.82	
Isophorone	0.759	0.844		11.199	
2-Nitrophenol	0.161	0.177		9.938	20.0
2,4-Dimethylphenol	0.291	0.292		0.344	
bis(2-Chloroethoxy)methane	0.457	0.442		-3.282	
2,4-Dichlorophenol	0.287	0.328		14.286	20.0
1,2,4-Trichlorobenzene	0.315	0.357		13.333	
Benzoic acid	0.215	0.237		10.233	
Naphthalene	1.033	1.055		2.13	
4-Chloroaniline	0.403	0.443		9.926	
Hexachlorobutadiene	0.191	0.245		28.272	20.0
Caprolactam	0.101	0.111		9.901	
4-Chloro-3-methylphenol	0.327	0.369		12.844	20.0
2-Methylnaphthalene	0.728	0.777		6.731	
Hexachlorocyclopentadiene	0.309	0.344	0.050	11.327	
2,4,6-Trichlorophenol	0.383	0.418		9.138	20.0
2-Fluorobiphenyl	1.486	1.593		7.201	
2,4,5-Trichlorophenol	0.455	0.490		7.692	
1,1-Biphenyl	1.529	1.505		-1.57	
2-Chloronaphthalene	1.122	1.115		-0.624	
2-Nitroaniline	0.390	0.467		19.744	

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Lab File ID: BM042668.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
Dimethylphthalate	1.495	1.590		6.355	
Acenaphthylene	1.857	1.919		3.339	
2,6-Dinitrotoluene	0.308	0.334		8.442	
3-Nitroaniline	0.296	0.327		10.473	
Acenaphthene	1.127	1.129		0.177	20.0
2,4-Dinitrophenol	0.177	0.171	0.050	-3.39	
4-Nitrophenol	0.233	0.244	0.050	4.721	
Dibenzofuran	1.833	1.953		6.547	
2,4-Dinitrotoluene	0.408	0.498		22.059	
Diethylphthalate	1.514	1.632		7.794	
4-Chlorophenyl-phenylether	0.749	0.858		14.553	
Fluorene	1.483	1.621		9.305	
4-Nitroaniline	0.247	0.319		29.15	
4,6-Dinitro-2-methylphenol	0.117	0.123		5.128	
n-Nitrosodiphenylamine	0.564	0.573		1.596	20.0
Azobenzene	1.669	1.892		13.361	
2,4,6-Tribromophenol	0.261	0.322		23.372	
4-Bromophenyl-phenylether	0.200	0.218		9.0	
Hexachlorobenzene	0.221	0.246		11.312	
Atrazine	0.163	0.172		5.521	
Pentachlorophenol	0.163	0.172		5.521	20.0
Phenanthrene	1.045	1.083		3.636	
Anthracene	1.035	1.109		7.15	
Carbazole	0.842	0.964		14.489	
Di-n-butylphthalate	1.183	1.296		9.552	
Fluoranthene	1.228	1.436		16.938	20.0
Benzidine	0.192	0.203		5.729	
Pyrene	1.373	1.313		-4.37	
Terphenyl-d14	1.180	1.248		5.763	
Butylbenzylphthalate	0.587	0.568		-3.237	
3,3-Dichlorobenzidine	0.404	0.464		14.851	
Benzo (a) anthracene	1.273	1.340		5.346	
Chrysene	1.293	1.336		3.326	
Bis (2-ethylhexyl) phthalate	0.886	0.826		-6.772	
Di-n-octyl phthalate	1.526	1.439		-5.701	20.0
Benzo (b) fluoranthene	1.114	1.139		2.244	
Benzo (k) fluoranthene	1.242	1.240		-0.161	
Benzo (a) pyrene	1.097	1.121		2.188	20.0
Indeno (1,2,3-cd) pyrene	1.190	1.387		16.555	
Dibenzo (a,h) anthracene	0.967	1.142		18.097	
Benzo (g,h,i) perylene	1.049	1.139		8.58	



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM110923 SAS No.: BM110923 SDG No.: BM110923
Instrument ID: BNA_M Calibration Date/Time: 11/9/2023 11:53
Lab File ID: BM042668.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.597	0.649		8.71	
1,4-Dioxane	0.591	0.549		-7.107	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.437		13.802	
1-Methylnaphthalene	0.685	0.728		6.277	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BL	SDG No.:	BM110923
Lab Sample ID:	PB156951BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BM042669.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.3	U	72.3	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	74.3	U	74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.9	U	71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	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	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	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	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BL	SDG No.:	BM110923
Lab Sample ID:	PB156951BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BM042669.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

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	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	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	76.8	U	76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BL	SDG No.:	BM110923
Lab Sample ID:	PB156951BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BM042669.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

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	83.6	U	83.6	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	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	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	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	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	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.698		18-112		52	SPK: -150
13127-88-3	Phenol-d6	71.329		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	54.807		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	50.416		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	81.451		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	53.638		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63118	7.845				
1146-65-2	Naphthalene-d8	223981	10.663				
15067-26-2	Acenaphthene-d10	141509	14.504				
1517-22-2	Phenanthrene-d10	294533	17.257				
1719-03-5	Chrysene-d12	262988	21.439				
1520-96-3	Perylene-d12	307167	23.815				



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

Report of Analysis

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BL	SDG No.:	BM110923
Lab Sample ID:	PB156951BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BM042669.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

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

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BS	SDG No.:	BM110923
Lab Sample ID:	PB156951BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042670.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2000		77.3	270	330	ug/Kg
110-86-1	Pyridine	950		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	810		150	270	330	ug/Kg
62-53-3	Aniline	1000		120	130	170	ug/Kg
108-95-2	Phenol	1500		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1700		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		75.2	130	170	ug/Kg
78-59-1	Isophorone	1500		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1300		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	1000		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	2000		84	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BS	SDG No.:	BM110923
Lab Sample ID:	PB156951BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042670.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2800	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.3	130	170	ug/Kg
Total PAH	Total PAH	25100		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2400		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2500		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		90.4	130	170	ug/Kg
86-73-7	Fluorene	1500		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1200		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1600		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1200		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.7	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1600		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		100	130	170	ug/Kg
206-44-0	Fluoranthene	1500		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BS	SDG No.:	BM110923
Lab Sample ID:	PB156951BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042670.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2900	E	190	270	330	ug/Kg
129-00-0	Pyrene	1500		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.9	130	170	ug/Kg
218-01-9	Chrysene	1400		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	147.395		18-112		98	SPK: -150
13127-88-3	Phenol-d6	138.917		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	96.286		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	92.098		20-109		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	162.16		10-110		108	SPK: -150
1718-51-0	Terphenyl-d14	95.724		14-112		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36701	7.845				
1146-65-2	Naphthalene-d8	147613	10.663				
15067-26-2	Acenaphthene-d10	93251	14.504				
1517-22-2	Phenanthrene-d10	200967	17.256				
1719-03-5	Chrysene-d12	179730	21.438				
1520-96-3	Perylene-d12	183256	23.815				



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Report of Analysis

Client:		Date Collected:	11/7/2023 12:00:00 AM
Project:		Date Received:	11/7/2023 12:00:00 AM
Client Sample ID:	PB156951BS	SDG No.:	BM110923
Lab Sample ID:	PB156951BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042670.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM110923
Lab Sample ID:	O5256-04	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
BM042671.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM110923
Lab Sample ID:	O5256-04	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
BM042671.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM110923
Lab Sample ID:	O5256-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042671.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	157.038		10-139		105	SPK: -150
13127-88-3	Phenol-d6	131.641		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	125.44		49-133		125	SPK: -100
321-60-8	2-Fluorobiphenyl	119.033		52-132		119	SPK: -100
118-79-6	2,4,6-Tribromophenol	189.203		32-145		126	SPK: -150
1718-51-0	Terphenyl-d14	130.426		36-145		130	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	32713	7.845				
1146-65-2	Naphthalene-d8	113797	10.663				
15067-26-2	Acenaphthene-d10	66533	14.504				
1517-22-2	Phenanthrene-d10	135844	17.257				
1719-03-5	Chrysene-d12	113449	21.439				
1520-96-3	Perylene-d12	134116	23.809				



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Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM110923
Lab Sample ID:	O5256-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042671.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BM110923
Lab Sample ID:	O5256-08	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
BM042672.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BM110923
Lab Sample ID:	O5256-08	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
BM042672.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BM110923
Lab Sample ID:	O5256-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042672.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	161.476		10-139		108	SPK: -150
13127-88-3	Phenol-d6	134.66		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	129.434		49-133		129	SPK: -100
321-60-8	2-Fluorobiphenyl	124.106		52-132		124	SPK: -100
118-79-6	2,4,6-Tribromophenol	207.501		32-145		138	SPK: -150
1718-51-0	Terphenyl-d14	138.077		36-145		138	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30180	7.84				
1146-65-2	Naphthalene-d8	104801	10.657				
15067-26-2	Acenaphthene-d10	61833	14.498				
1517-22-2	Phenanthrene-d10	132452	17.251				
1719-03-5	Chrysene-d12	116963	21.439				
1520-96-3	Perylene-d12	61530	23.815				



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Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-11	SDG No.:	BM110923
Lab Sample ID:	O5256-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042672.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-10	SDG No.:	BM110923
Lab Sample ID:	O5256-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042673.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-10	SDG No.:	BM110923
Lab Sample ID:	O5256-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042673.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-10	SDG No.:	BM110923
Lab Sample ID:	O5256-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042673.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	148.267		10-139		99	SPK: -150
13127-88-3	Phenol-d6	127		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	117.144		49-133		117	SPK: -100
321-60-8	2-Fluorobiphenyl	108.369		52-132		108	SPK: -100
118-79-6	2,4,6-Tribromophenol	175.206		32-145		117	SPK: -150
1718-51-0	Terphenyl-d14	112.542		36-145		113	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	29337	7.845				
1146-65-2	Naphthalene-d8	100896	10.663				
15067-26-2	Acenaphthene-d10	60852	14.504				
1517-22-2	Phenanthrene-d10	123064	17.257				
1719-03-5	Chrysene-d12	117736	21.439				
1520-96-3	Perylene-d12	143642	23.815				



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Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-10	SDG No.:	BM110923
Lab Sample ID:	O5256-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042673.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-6	SDG No.:	BM110923
Lab Sample ID:	O5257-04	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
BM042674.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-6	SDG No.:	BM110923
Lab Sample ID:	O5257-04	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
BM042674.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-6	SDG No.:	BM110923
Lab Sample ID:	O5257-04	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
BM042674.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119.671		10-139		80	SPK: -150
13127-88-3	Phenol-d6	100.024		10-134		67	SPK: -150
4165-60-0	Nitrobenzene-d5	95.991		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	92.414		52-132		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	152.44		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	95.407		36-145		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30624	7.845				
1146-65-2	Naphthalene-d8	105245	10.657				
15067-26-2	Acenaphthene-d10	59975	14.498				
1517-22-2	Phenanthrene-d10	127161	17.251				
1719-03-5	Chrysene-d12	121558	21.439				
1520-96-3	Perylene-d12	158384	23.815				



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Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-6	SDG No.:	BM110923
Lab Sample ID:	O5257-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042674.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BM110923
Lab Sample ID:	O5257-08	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
BM042675.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BM110923
Lab Sample ID:	O5257-08	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
BM042675.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BM110923
Lab Sample ID:	O5257-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042675.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.82		10-139		103	SPK: -150
13127-88-3	Phenol-d6	131.249		10-134		87	SPK: -150
4165-60-0	Nitrobenzene-d5	120.72		49-133		121	SPK: -100
321-60-8	2-Fluorobiphenyl	114.118		52-132		114	SPK: -100
118-79-6	2,4,6-Tribromophenol	185.491		32-145		124	SPK: -150
1718-51-0	Terphenyl-d14	120.901		36-145		121	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27466	7.845				
1146-65-2	Naphthalene-d8	94518	10.663				
15067-26-2	Acenaphthene-d10	54298	14.498				
1517-22-2	Phenanthrene-d10	110280	17.251				
1719-03-5	Chrysene-d12	101414	21.439				
1520-96-3	Perylene-d12	128129	23.809				



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Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BM110923
Lab Sample ID:	O5257-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042675.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BM110923
Lab Sample ID:	O5257-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042676.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BM110923
Lab Sample ID:	O5257-12	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
BM042676.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BM110923
Lab Sample ID:	O5257-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042676.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	166.102		10-139		111	SPK: -150
13127-88-3	Phenol-d6	143.741		10-134		96	SPK: -150
4165-60-0	Nitrobenzene-d5	130.543		49-133		131	SPK: -100
321-60-8	2-Fluorobiphenyl	122.462		52-132		122	SPK: -100
118-79-6	2,4,6-Tribromophenol	195.024		32-145		130	SPK: -150
1718-51-0	Terphenyl-d14	135.396		36-145		135	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25792	7.845				
1146-65-2	Naphthalene-d8	90477	10.663				
15067-26-2	Acenaphthene-d10	54110	14.498				
1517-22-2	Phenanthrene-d10	108911	17.251				
1719-03-5	Chrysene-d12	95862	21.439				
1520-96-3	Perylene-d12	111643	23.809				



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Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BM110923
Lab Sample ID:	O5257-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	PH :
		GPC Cleanup :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042676.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	ETGI-320	SDG No.:	BM110923
Lab Sample ID:	O5267-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BM042677.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.1	U	43.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	48.9	U	48.9	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	51.9	U	51.9	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.3	U	35.3	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45	U	45	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.4	U	46.4	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.4	U	49.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.8	U	56.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	ETGI-320	SDG No.:	BM110923
Lab Sample ID:	O5267-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BM042677.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	860.9	U	860.9	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.7	U	113.7	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.8	U	59.8	77.9	100	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.3	U	58.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.1	U	57.1	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.5	U	55.5	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.5	U	56.5	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	ETGI-320	SDG No.:	BM110923
Lab Sample ID:	O5267-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BM042677.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.1	U	50.1	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.4	U	96.4	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54	U	54	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.203		18-112		60	SPK: -150
13127-88-3	Phenol-d6	102.546		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	92.718		18-107		93	SPK: -100
321-60-8	2-Fluorobiphenyl	87.836		20-109		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	41.393		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	83.656		14-112		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	28853	7.845				
1146-65-2	Naphthalene-d8	98993	10.663				
15067-26-2	Acenaphthene-d10	57309	14.498				
1517-22-2	Phenanthrene-d10	112395	17.256				
1719-03-5	Chrysene-d12	106096	21.439				
1520-96-3	Perylene-d12	150817	23.809				



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Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	ETGI-320	SDG No.:	BM110923
Lab Sample ID:	O5267-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	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
BM042677.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

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

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	67S-IDW-01	SDG No.:	BM110923
Lab Sample ID:	O5102-01	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
BM042678.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	47.8	J	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	85.9		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	67S-IDW-01	SDG No.:	BM110923
Lab Sample ID:	O5102-01	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
BM042678.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	67S-IDW-01	SDG No.:	BM110923
Lab Sample ID:	O5102-01	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
BM042678.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	95.5		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	169.254		10-139		113	SPK: -150
13127-88-3	Phenol-d6	144.996		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	133.894	*	49-133		134	SPK: -100
321-60-8	2-Fluorobiphenyl	123.418		52-132		123	SPK: -100
118-79-6	2,4,6-Tribromophenol	192.353		32-145		128	SPK: -150
1718-51-0	Terphenyl-d14	136.691		36-145		137	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	30046	7.845				
1146-65-2	Naphthalene-d8	108051	10.663				
15067-26-2	Acenaphthene-d10	68503	14.498				
1517-22-2	Phenanthrene-d10	138304	17.251				
1719-03-5	Chrysene-d12	121528	21.439				
1520-96-3	Perylene-d12	149912	23.809				



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Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	67S-IDW-01	SDG No.:	BM110923
Lab Sample ID:	O5102-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042678.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BM110923
Lab Sample ID:	O5256-04MS	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
BM042679.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	700		20.2	80	100	ug/L
110-86-1	Pyridine	320		17.8	40	50	ug/L
100-52-7	Benzaldehyde	110		32.8	80	100	ug/L
62-53-3	Aniline	210		24.2	40	50	ug/L
108-95-2	Phenol	470		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	500		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	510		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	490		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	500		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	570		23.8	80	100	ug/L
95-48-7	2-Methylphenol	470		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	480		22.6	40	50	ug/L
98-86-2	Acetophenone	550		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	470		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	520		19.8	25	25	ug/L
67-72-1	Hexachloroethane	550		16.4	40	50	ug/L
98-95-3	Nitrobenzene	570		17.2	40	50	ug/L
78-59-1	Isophorone	550		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	500		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	460		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	500		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	580		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	590		17	40	50	ug/L
65-85-0	Benzoic acid	200		66.5	80	100	ug/L
91-20-3	Naphthalene	510		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	160		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	650		19.3	40	50	ug/L
105-60-2	Caprolactam	400		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	530		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	500		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BM110923
Lab Sample ID:	O5256-04MS	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
BM042679.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1000	E	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	590		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	530		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	540		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	560		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	510		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	510		18.8	40	50	ug/L
208-96-8	Acenaphthylene	560		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		21	40	50	ug/L
99-09-2	3-Nitroaniline	320		23.6	40	50	ug/L
83-32-9	Acenaphthene	520		17.2	40	50	ug/L
Total PAH	Total PAH	8820		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	380		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	740		28	80	100	ug/L
132-64-9	Dibenzofuran	550		15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1010		46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	490		25.4	40	50	ug/L
84-66-2	Diethylphthalate	490		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	570		22.2	40	50	ug/L
86-73-7	Fluorene	550		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	410		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	320		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	570		19.5	40	50	ug/L
103-33-3	Azobenzene	560		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	600		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	650		19.1	40	50	ug/L
1912-24-9	Atrazine	710		35	40	50	ug/L
87-86-5	Pentachlorophenol	1000	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	550		20	40	50	ug/L
120-12-7	Anthracene	550		22.8	40	50	ug/L
86-74-8	Carbazole	560		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	500		24	40	50	ug/L
206-44-0	Fluoranthene	530		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BM110923
Lab Sample ID:	O5256-04MS	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
BM042679.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	570		65.8	80	100	ug/L
129-00-0	Pyrene	560		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	490		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	460		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	540		14.5	40	50	ug/L
218-01-9	Chrysene	510		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	450		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	440		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	550		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	510		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	490		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	660		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	590		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	640		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	600		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	410		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	570		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	520		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.096		10-139		102	SPK: -150
13127-88-3	Phenol-d6	138.178		10-134		92	SPK: -150
4165-60-0	Nitrobenzene-d5	113.991		49-133		114	SPK: -100
321-60-8	2-Fluorobiphenyl	110.273		52-132		110	SPK: -100
118-79-6	2,4,6-Tribromophenol	177.604		32-145		118	SPK: -150
1718-51-0	Terphenyl-d14	115.288		36-145		115	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38002	7.846				
1146-65-2	Naphthalene-d8	152304	10.663				
15067-26-2	Acenaphthene-d10	93379	14.504				
1517-22-2	Phenanthrene-d10	187520	17.251				
1719-03-5	Chrysene-d12	162515	21.439				
1520-96-3	Perylene-d12	175720	23.815				



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Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BM110923
Lab Sample ID:	O5256-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042679.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BM110923
Lab Sample ID:	O5256-04MSD	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
BM042680.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	720		20.2	80	100	ug/L
110-86-1	Pyridine	330		17.8	40	50	ug/L
100-52-7	Benzaldehyde	120		32.8	80	100	ug/L
62-53-3	Aniline	210		24.2	40	50	ug/L
108-95-2	Phenol	470		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	500		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	510		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	500		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	510		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	590		23.8	80	100	ug/L
95-48-7	2-Methylphenol	470		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	480		22.6	40	50	ug/L
98-86-2	Acetophenone	570		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	480		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	520		19.8	25	25	ug/L
67-72-1	Hexachloroethane	550		16.4	40	50	ug/L
98-95-3	Nitrobenzene	600		17.2	40	50	ug/L
78-59-1	Isophorone	560		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	520		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	520		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	590		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	620		17	40	50	ug/L
65-85-0	Benzoic acid	280		66.5	80	100	ug/L
91-20-3	Naphthalene	530		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	170		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	670		19.3	40	50	ug/L
105-60-2	Caprolactam	410		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	550		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	510		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BM110923
Lab Sample ID:	O5256-04MSD	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
BM042680.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1000	E	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	610		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	560		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	560		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	580		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	520		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	530		18.8	40	50	ug/L
208-96-8	Acenaphthylene	570		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	550		21	40	50	ug/L
99-09-2	3-Nitroaniline	320		23.6	40	50	ug/L
83-32-9	Acenaphthene	530		17.2	40	50	ug/L
Total PAH	Total PAH	9090		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	470		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	770		28	80	100	ug/L
132-64-9	Dibenzofuran	550		15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	050		46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	500		25.4	40	50	ug/L
84-66-2	Diethylphthalate	500		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	580		22.2	40	50	ug/L
86-73-7	Fluorene	560		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	420		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	370		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	580		19.5	40	50	ug/L
103-33-3	Azobenzene	560		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	610		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	670		19.1	40	50	ug/L
1912-24-9	Atrazine	740		35	40	50	ug/L
87-86-5	Pentachlorophenol	1100	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	560		20	40	50	ug/L
120-12-7	Anthracene	570		22.8	40	50	ug/L
86-74-8	Carbazole	580		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	520		24	40	50	ug/L
206-44-0	Fluoranthene	540		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BM110923
Lab Sample ID:	O5256-04MSD	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
BM042680.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	610		65.8	80	100	ug/L
129-00-0	Pyrene	570		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	500		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	480		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		14.5	40	50	ug/L
218-01-9	Chrysene	530		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	460		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	570		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	520		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	510		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	700		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	610		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	670		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	630		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	420		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	580		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	530		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.837		10-139		103	SPK: -150
13127-88-3	Phenol-d6	139.075		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	117.901		49-133		118	SPK: -100
321-60-8	2-Fluorobiphenyl	114.482		52-132		114	SPK: -100
118-79-6	2,4,6-Tribromophenol	179.946		32-145		120	SPK: -150
1718-51-0	Terphenyl-d14	116.967		36-145		117	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39454	7.845				
1146-65-2	Naphthalene-d8	150833	10.663				
15067-26-2	Acenaphthene-d10	90851	14.504				
1517-22-2	Phenanthrene-d10	180298	17.25				
1719-03-5	Chrysene-d12	160024	21.438				
1520-96-3	Perylene-d12	170071	23.809				



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

Report of Analysis

Client:		Date Collected:	11/3/2023 12:00:00 AM
Project:		Date Received:	11/3/2023 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BM110923
Lab Sample ID:	O5256-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042680.D	1	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156974

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

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623	SDG No.:	BM110923
Lab Sample ID:	O5270-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BM042681.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	250	U	250	870	1100	ug/Kg
110-86-1	Pyridine	230	U	230	420	550	ug/Kg
100-52-7	Benzaldehyde	480	U	480	870	1100	ug/Kg
62-53-3	Aniline	380	U	380	420	550	ug/Kg
108-95-2	Phenol	240	U	240	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	U	290	420	550	ug/Kg
95-57-8	2-Chlorophenol	230	U	230	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	420	550	ug/Kg
100-51-6	Benzyl Alcohol	320	U	320	870	1100	ug/Kg
95-48-7	2-Methylphenol	370	U	370	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	340	U	340	420	550	ug/Kg
98-86-2	Acetophenone	280	U	280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	350	870	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	190	260	260	ug/Kg
67-72-1	Hexachloroethane	240	U	240	420	550	ug/Kg
98-95-3	Nitrobenzene	240	U	240	420	550	ug/Kg
78-59-1	Isophorone	220	U	220	420	550	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	320	U	320	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	360	U	360	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	250	U	250	420	550	ug/Kg
65-85-0	Benzoic acid	1200		690	870	1100	ug/Kg
91-20-3	Naphthalene	260	U	260	420	550	ug/Kg
106-47-8	4-Chloroaniline	340	U	340	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	550	ug/Kg
105-60-2	Caprolactam	380	U	380	870	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	270	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	310	U	310	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623	SDG No.:	BM110923
Lab Sample ID:	O5270-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BM042681.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	680	U	680	870	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	250	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	280	U	280	420	550	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	550	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	420	550	ug/Kg
131-11-3	Dimethylphthalate	290	U	290	420	550	ug/Kg
208-96-8	Acenaphthylene	290	U	290	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	290	U	290	420	550	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	420	550	ug/Kg
83-32-9	Acenaphthene	260	U	260	420	550	ug/Kg
Total PAH	Total PAH	12300	U	4640	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	580	U	580	870	1100	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	870	1100	ug/Kg
132-64-9	Dibenzofuran	250	U	250	420	550	ug/Kg
121-14-2	2,4-Dinitrotoluene	320	U	320	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	610	U	610	420	1100	ug/Kg
84-66-2	Diethylphthalate	280	U	280	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	420	550	ug/Kg
86-73-7	Fluorene	270	U	270	420	550	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	870	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	300	U	300	420	550	ug/Kg
103-33-3	Azobenzene	240	U	240	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	320	U	320	420	550	ug/Kg
118-74-1	Hexachlorobenzene	320	U	320	420	550	ug/Kg
1912-24-9	Atrazine	310	U	310	420	550	ug/Kg
87-86-5	Pentachlorophenol	360	U	360	870	1100	ug/Kg
85-01-8	Phenanthrene	970		300	420	550	ug/Kg
120-12-7	Anthracene	330	U	330	420	550	ug/Kg
86-74-8	Carbazole	270	U	270	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	340	U	340	420	550	ug/Kg
206-44-0	Fluoranthene	2500		310	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623	SDG No.:	BM110923
Lab Sample ID:	O5270-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042681.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	620	U	620	870	1100	ug/Kg
129-00-0	Pyrene	1800		270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	330	U	330	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	520	U	520	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	1100		270	420	550	ug/Kg
218-01-9	Chrysene	1200		280	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370	U	370	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	400	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	420	J	280	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	970		300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	630		350	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	600		310	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	710		300	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	420	550	ug/Kg
123-91-1	1,4-Dioxane	380	U	380	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	270	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	290	U	290	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.105		18-112		66	SPK: -150
13127-88-3	Phenol-d6	89.01		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	70.665		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	65.115		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	100.26		10-110		67	SPK: -150
1718-51-0	Terphenyl-d14	58.265		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39669	7.845				
1146-65-2	Naphthalene-d8	143600	10.657				
15067-26-2	Acenaphthene-d10	88398	14.498				
1517-22-2	Phenanthrene-d10	199602	17.251				
1719-03-5	Chrysene-d12	233225	21.433				
1520-96-3	Perylene-d12	285981	23.809				

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623	SDG No.:	BM110923
Lab Sample ID:	O5270-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BM042681.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	620	J			18.109	
000832-69-9	Phenanthrene, 1-methyl-	310	J			18.174	
000203-64-5	4H-Cyclopenta[def]phenanthrene	530	J			18.321	
000781-43-1	9,10-Dimethylanthracene	290	J			19.033	
000238-84-6	11H-Benzo[a]fluorene	220	J			20.168	
000192-97-2	Benzo[e]pyrene	900	J			23.597	

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MS	SDG No.:	BM110923
Lab Sample ID:	O5270-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042682.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		250	870	1100	ug/Kg
110-86-1	Pyridine	640		230	420	550	ug/Kg
100-52-7	Benzaldehyde	480	U	480	870	1100	ug/Kg
62-53-3	Aniline	640		380	420	550	ug/Kg
108-95-2	Phenol	940		240	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	840		290	420	550	ug/Kg
95-57-8	2-Chlorophenol	930		230	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	960		260	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	970		290	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	970		270	420	550	ug/Kg
100-51-6	Benzyl Alcohol	980	J	320	870	1100	ug/Kg
95-48-7	2-Methylphenol	910		370	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		340	420	550	ug/Kg
98-86-2	Acetophenone	980		280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	860	J	350	870	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	930		190	260	260	ug/Kg
67-72-1	Hexachloroethane	1000		240	420	550	ug/Kg
98-95-3	Nitrobenzene	1000		240	420	550	ug/Kg
78-59-1	Isophorone	990		220	420	550	ug/Kg
88-75-5	2-Nitrophenol	1100		310	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	850		320	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	890		360	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		250	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		250	420	550	ug/Kg
65-85-0	Benzoic acid	1200		690	870	1100	ug/Kg
91-20-3	Naphthalene	1000		260	420	550	ug/Kg
106-47-8	4-Chloroaniline	740		340	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	1300		270	420	550	ug/Kg
105-60-2	Caprolactam	840	J	380	870	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	990		270	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	950		310	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MS	SDG No.:	BM110923
Lab Sample ID:	O5270-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042682.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	830	J	680	870	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		250	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		280	420	550	ug/Kg
92-52-4	1,1-Biphenyl	920		300	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	990		270	420	550	ug/Kg
88-74-4	2-Nitroaniline	1200		320	420	550	ug/Kg
131-11-3	Dimethylphthalate	910		290	420	550	ug/Kg
208-96-8	Acenaphthylene	1300		290	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	920		290	420	550	ug/Kg
99-09-2	3-Nitroaniline	1100		300	420	550	ug/Kg
83-32-9	Acenaphthene	1000		260	420	550	ug/Kg
Total PAH	Total PAH	26400		4640	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	1000	J	580	870	1100	ug/Kg
100-02-7	4-Nitrophenol	2000		370	870	1100	ug/Kg
132-64-9	Dibenzofuran	1000		250	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2020		610	420	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		320	420	550	ug/Kg
84-66-2	Diethylphthalate	910		280	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		290	420	550	ug/Kg
86-73-7	Fluorene	1100		270	420	550	ug/Kg
100-01-6	4-Nitroaniline	1200		340	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	790	J	280	870	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	910		300	420	550	ug/Kg
103-33-3	Azobenzene	990		240	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		310	420	550	ug/Kg
118-74-1	Hexachlorobenzene	1100		320	420	550	ug/Kg
1912-24-9	Atrazine	1300		310	420	550	ug/Kg
87-86-5	Pentachlorophenol	1800		360	870	1100	ug/Kg
85-01-8	Phenanthrene	1800		300	420	550	ug/Kg
120-12-7	Anthracene	1200		330	420	550	ug/Kg
86-74-8	Carbazole	1100		270	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	950		340	420	550	ug/Kg
206-44-0	Fluoranthene	3100		310	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MS	SDG No.:	BM110923
Lab Sample ID:	O5270-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042682.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1800		620	870	1100	ug/Kg
129-00-0	Pyrene	2500		270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	900		330	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000	J	520	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2000		270	420	550	ug/Kg
218-01-9	Chrysene	1800		280	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	870		370	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	900	J	400	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		280	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	1700		300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		350	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		310	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		300	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		290	420	550	ug/Kg
123-91-1	1,4-Dioxane	710		380	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		270	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	1000		290	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.41		18-112		54	SPK: -150
13127-88-3	Phenol-d6	79.215		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	59.985		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	54.52		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	96.885		10-110		65	SPK: -150
1718-51-0	Terphenyl-d14	50.115		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46252	7.845				
1146-65-2	Naphthalene-d8	182191	10.663				
15067-26-2	Acenaphthene-d10	120265	14.498				
1517-22-2	Phenanthrene-d10	279076	17.251				
1719-03-5	Chrysene-d12	299081	21.439				
1520-96-3	Perylene-d12	352082	23.815				



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Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MS	SDG No.:	BM110923
Lab Sample ID:	O5270-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07	Final Vol:	1000 uL
Soil Aliquot Vol:		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042682.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

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

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MSD	SDG No.:	BM110923
Lab Sample ID:	O5270-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042683.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		250	870	1100	ug/Kg
110-86-1	Pyridine	680		230	420	550	ug/Kg
100-52-7	Benzaldehyde	480	U	480	870	1100	ug/Kg
62-53-3	Aniline	700		380	420	550	ug/Kg
108-95-2	Phenol	1100		240	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		290	420	550	ug/Kg
95-57-8	2-Chlorophenol	1000		230	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		260	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		290	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		270	420	550	ug/Kg
100-51-6	Benzyl Alcohol	1100		320	870	1100	ug/Kg
95-48-7	2-Methylphenol	950		370	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		340	420	550	ug/Kg
98-86-2	Acetophenone	1100		280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	950	J	350	870	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		190	260	260	ug/Kg
67-72-1	Hexachloroethane	1100		240	420	550	ug/Kg
98-95-3	Nitrobenzene	1200		240	420	550	ug/Kg
78-59-1	Isophorone	1100		220	420	550	ug/Kg
88-75-5	2-Nitrophenol	1200		310	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	960		320	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		360	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		250	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		250	420	550	ug/Kg
65-85-0	Benzoic acid	1200		690	870	1100	ug/Kg
91-20-3	Naphthalene	1100		260	420	550	ug/Kg
106-47-8	4-Chloroaniline	800		340	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	1400		270	420	550	ug/Kg
105-60-2	Caprolactam	970	J	380	870	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		270	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	1100		310	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MSD	SDG No.:	BM110923
Lab Sample ID:	O5270-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042683.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	790	J	680	870	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		250	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		280	420	550	ug/Kg
92-52-4	1,1-Biphenyl	1000		290	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	1100		270	420	550	ug/Kg
88-74-4	2-Nitroaniline	1400		320	420	550	ug/Kg
131-11-3	Dimethylphthalate	1000		290	420	550	ug/Kg
208-96-8	Acenaphthylene	1400		290	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		290	420	550	ug/Kg
99-09-2	3-Nitroaniline	1200		300	420	550	ug/Kg
83-32-9	Acenaphthene	1100		260	420	550	ug/Kg
Total PAH	Total PAH	28800		4630	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	960	J	580	870	1100	ug/Kg
100-02-7	4-Nitrophenol	2000		370	870	1100	ug/Kg
132-64-9	Dibenzofuran	1100		250	420	550	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		320	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		610	420	1100	ug/Kg
84-66-2	Diethylphthalate	1000		280	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		290	420	550	ug/Kg
86-73-7	Fluorene	1200		270	420	550	ug/Kg
100-01-6	4-Nitroaniline	1300		340	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	730	J	280	870	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		300	420	550	ug/Kg
103-33-3	Azobenzene	1100		240	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		310	420	550	ug/Kg
118-74-1	Hexachlorobenzene	1200		320	420	550	ug/Kg
1912-24-9	Atrazine	1400		310	420	550	ug/Kg
87-86-5	Pentachlorophenol	1900		360	870	1100	ug/Kg
85-01-8	Phenanthrene	1900		300	420	550	ug/Kg
120-12-7	Anthracene	1400		330	420	550	ug/Kg
86-74-8	Carbazole	1200		270	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	1100		340	420	550	ug/Kg
206-44-0	Fluoranthene	3300		300	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MSD	SDG No.:	BM110923
Lab Sample ID:	O5270-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042683.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2100		620	870	1100	ug/Kg
129-00-0	Pyrene	2800		270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	1000		330	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		520	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2200		270	420	550	ug/Kg
218-01-9	Chrysene	2000		280	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		370	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	1000	J	400	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		280	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	1900		300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		350	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		310	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		300	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		290	420	550	ug/Kg
123-91-1	1,4-Dioxane	780		380	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		270	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	1200		290	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.775		18-112		61	SPK: -150
13127-88-3	Phenol-d6	86.68		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	66.315		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	60.235		20-109		60	SPK: -100
118-79-6	2,4,6-Tribromophenol	104.555		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	55.365		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49544	7.845				
1146-65-2	Naphthalene-d8	188993	10.663				
15067-26-2	Acenaphthene-d10	123921	14.504				
1517-22-2	Phenanthrene-d10	284714	17.256				
1719-03-5	Chrysene-d12	290485	21.439				
1520-96-3	Perylene-d12	334626	23.815				



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Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	OR-3-110623MSD	SDG No.:	BM110923
Lab Sample ID:	O5270-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042683.D	5	11/7/2023 12:00:00 AM	11/9/2023 12:00:00 AM	PB156951

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

SW-846

SDG No.: BM110923

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : 67S-IDW-01								
O5102-01	67S-IDW-01	water	1-Methylnaphthalene	95.500		20.8	50	ug/L
O5102-01	67S-IDW-01	water	2-Methylnaphthalene	85.900		22.3	50	ug/L
O5102-01	67S-IDW-01	water	Naphthalene	47.800	J	16.9	50	ug/L
Total Svoc :				229.20				
Total Concentration:				229.20				
Client ID : OR-3-110623								
O5270-01	OR-3-110623	Solid	11H-Benzo[a]fluorene	*	220.000	J		
O5270-01	OR-3-110623	Solid	4H-Cyclopenta[def]phenanthrene	*	530.000	J		
O5270-01	OR-3-110623	Solid	9,10-Dimethylanthracene	*	290.000	J		
O5270-01	OR-3-110623	Solid	Benzo[e]pyrene	*	900.000	J		
O5270-01	OR-3-110623	Solid	n-Hexadecanoic acid	*	620.000	J		
O5270-01	OR-3-110623	Solid	Phenanthrene, 1-methyl-	*	310.000	J		
Total Tics :				2,870.00				
O5270-01	OR-3-110623	Solid	Benzo(a)anthracene	1,100.000		270	550	ug/Kg
O5270-01	OR-3-110623	Solid	Benzo(a)pyrene	970.000		300	550	ug/Kg
O5270-01	OR-3-110623	Solid	Benzo(b)fluoranthene	1,400.000		260	550	ug/Kg
O5270-01	OR-3-110623	Solid	Benzo(g,h,i)perylene	710.000		300	550	ug/Kg
O5270-01	OR-3-110623	Solid	Benzo(k)fluoranthene	420.000	J	280	550	ug/Kg
O5270-01	OR-3-110623	Solid	Benzoic acid	1,200.000		690	1100	ug/Kg
O5270-01	OR-3-110623	Solid	Chrysene	1,200.000		280	550	ug/Kg
O5270-01	OR-3-110623	Solid	Dibenzo(a,h)anthracene	600.000		310	550	ug/Kg
O5270-01	OR-3-110623	Solid	Fluoranthene	2,500.000		310	550	ug/Kg
O5270-01	OR-3-110623	Solid	Indeno(1,2,3-cd)pyrene	630.000		350	550	ug/Kg
O5270-01	OR-3-110623	Solid	Phenanthrene	970.000		300	550	ug/Kg
O5270-01	OR-3-110623	Solid	Pyrene	1,800.000		270	550	ug/Kg
Total Svoc :				13,500.00				
Total Concentration:				16,370.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM103023

SAS No.: BM103023

SDG No.: BM103023

Instrument ID:

Calibration Date(s): 10/30/2023

Calibration Time(s): 11:04

LAB FILE ID:		RRF2.5 = BM042488.D			RRF005 = BM042489.D		RRF010 = BM042490.D	
		RRF020 = BM042491.D			RRF040 = BM042492.D		RRF050 = BM042493.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.783	0.744	0.841	0.812	0.808	0.815	5.4
Pyridine		1.666	1.580	1.781	1.681	1.674	1.694	4.0
2-Fluorophenol		1.147	1.153	1.298	1.240	1.243	1.239	5.4
Benzaldehyde		1.137	1.043	1.068	0.954	0.911	0.980	10.6
Aniline		1.951	1.957	2.253	2.188	2.191	2.160	7.0
Phenol-d6		1.520	1.550	1.786	1.717	1.715	1.700	7.1
Phenol		1.590	1.581	1.811	1.723	1.737	1.726	6.2
bis(2-Chloroethyl)ether		1.403	1.399	1.517	1.439	1.447	1.460	3.5
2-Chlorophenol		1.255	1.216	1.398	1.330	1.349	1.336	5.8
1,2-Dichlorobenzene		1.387	1.343	1.455	1.383	1.389	1.411	3.5
1,3-Dichlorobenzene		1.420	1.362	1.505	1.421	1.414	1.444	3.9
1,4-Dichlorobenzene		1.455	1.368	1.523	1.428	1.443	1.462	4.0
Benzyl Alcohol		0.933	1.010	1.184	1.256	1.273	1.203	14.7
2-Methylphenol		1.102	1.094	1.250	1.232	1.245	1.222	7.6
2,2-oxybis(1-Chloropropane)		2.316	2.191	2.408	2.286	2.292	2.325	3.5
Acetophenone		0.448	0.469	0.517	0.525	0.497	0.504	7.1
3+4-Methylphenols		1.370	1.413	1.687	1.681	1.688	1.634	10.8
n-Nitroso-di-n-propylamine	0.986	1.080	1.102	1.262	1.245	1.271	1.202	10.9
Nitrobenzene-d5		0.365	0.384	0.436	0.453	0.430	0.429	9.5
Hexachloroethane		0.542	0.515	0.594	0.565	0.570	0.572	6.3
Nitrobenzene		0.368	0.380	0.440	0.444	0.420	0.423	8.4
Isophorone		0.668	0.662	0.757	0.805	0.764	0.759	9.6
2-Nitrophenol		0.120	0.132	0.158	0.175	0.167	0.161	16.2
2,4-Dimethylphenol		0.250	0.258	0.299	0.307	0.291	0.291	9.3
bis(2-Chloroethoxy)methane		0.408	0.411	0.471	0.481	0.458	0.457	7.6
2,4-Dichlorophenol		0.235	0.246	0.288	0.310	0.295	0.287	12.1
1,2,4-Trichlorobenzene		0.291	0.290	0.322	0.327	0.309	0.315	6.2
Benzoic acid			0.157	0.211	0.230	0.226	0.215	16.2
Naphthalene		0.966	0.958	1.054	1.075	1.007	1.033	5.6
4-Chloroaniline		0.305	0.343	0.402	0.446	0.419	0.403	14.5
Hexachlorobutadiene		0.178	0.171	0.191	0.196	0.189	0.191	7.2
Caprolactam			0.077	0.093	0.108	0.102	0.101	14.0
4-Chloro-3-methylphenol		0.263	0.280	0.323	0.353	0.336	0.327	13.0
2-Methylnaphthalene		0.663	0.654	0.736	0.766	0.719	0.728	7.5
Hexachlorocyclopentadiene			0.225	0.285	0.316	0.311	0.309	16.5
2,4,6-Trichlorophenol		0.309	0.329	0.388	0.408	0.386	0.383	12.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM103023

SAS No.: BM103023

SDG No.: BM103023

Instrument ID:

Calibration Date(s): 10/30/2023

Calibration Time(s): 11:04

LAB FILE ID:		RRF2.5 = BM042488.D			RRF005 = BM042489.D		RRF010 = BM042490.D	
		RRF020 = BM042491.D			RRF040 = BM042492.D		RRF050 = BM042493.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.372	1.363	1.514	1.537	1.454	1.486	6.5
2,4,5-Trichlorophenol		0.384	0.393	0.458	0.485	0.458	0.455	11.2
1,1-Biphenyl		1.411	1.400	1.561	1.602	1.496	1.529	6.4
2-Chloronaphthalene		1.018	1.047	1.148	1.177	1.097	1.122	6.3
2-Nitroaniline		0.252	0.296	0.375	0.444	0.421	0.390	22.4
Dimethylphthalate		1.336	1.355	1.522	1.589	1.472	1.495	7.8
Acenaphthylene		1.626	1.651	1.902	1.977	1.856	1.857	8.8
2,6-Dinitrotoluene		0.248	0.262	0.312	0.334	0.315	0.308	12.7
3-Nitroaniline		0.182	0.216	0.295	0.335	0.322	0.296	24.0
Acenaphthene		1.028	1.019	1.150	1.184	1.115	1.127	7.1
2,4-Dinitrophenol			0.101	0.149	0.195	0.187	0.177	25.7
4-Nitrophenol			0.142	0.207	0.250	0.242	0.233	22.5
Dibenzofuran		1.644	1.661	1.868	1.929	1.809	1.833	7.6
2,4-Dinitrotoluene		0.274	0.321	0.407	0.456	0.434	0.408	20.2
Diethylphthalate		1.305	1.327	1.547	1.629	1.519	1.514	9.7
4-Chlorophenyl-phenylether		0.645	0.651	0.751	0.793	0.747	0.749	10.5
Fluorene		1.305	1.336	1.493	1.580	1.472	1.483	8.5
4-Nitroaniline		0.103	0.154	0.238	0.295	0.286	0.247	35.5
4,6-Dinitro-2-methylphenol			0.078	0.105	0.126	0.121	0.117	18.9
n-Nitrosodiphenylamine		0.491	0.505	0.571	0.606	0.564	0.564	8.8
Azobenzene		1.331	1.442	1.725	1.831	1.711	1.669	12.1
2,4,6-Tribromophenol			0.203	0.251	0.272	0.261	0.261	12.8
4-Bromophenyl-phenylether		0.171	0.174	0.197	0.214	0.199	0.200	11.0
Hexachlorobenzene		0.198	0.197	0.220	0.235	0.219	0.221	8.5
Atrazine		0.146	0.154	0.171	0.173	0.161	0.163	6.0
Pentachlorophenol			0.127	0.151	0.170	0.163	0.163	13.3
Phenanthrene		0.944	0.942	1.047	1.116	1.031	1.045	7.8
Anthracene		0.881	0.893	1.027	1.133	1.042	1.035	11.0
Carbazole		0.666	0.728	0.838	0.975	0.901	0.842	14.6
Di-n-butylphthalate		0.934	1.000	1.183	1.302	1.219	1.183	13.5
Fluoranthene		1.009	1.067	1.216	1.329	1.235	1.228	12.0
Benzidine		0.187	0.205	0.197	0.196	0.171	0.192	5.7
Pyrene		1.173	1.149	1.321	1.436	1.428	1.373	12.3
Terphenyl-d14		0.946	0.958	1.143	1.267	1.243	1.180	14.6
Butylbenzylphthalate		0.470	0.472	0.578	0.634	0.625	0.587	14.6
3,3-Dichlorobenzidine		0.330	0.362	0.410	0.438	0.408	0.404	10.9

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.: BM103023

SAS No.: BM103023

SDG No.: BM103023

Instrument ID: _____

Calibration Date(s): 10/30/2023

Calibration Time(s): 11:04

LAB FILE ID:		RRF2.5 = BM042488.D			RRF005 = BM042489.D		RRF010 = BM042490.D	
		RRF020 = BM042491.D			RRF040 = BM042492.D		RRF050 = BM042493.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.097	1.111	1.258	1.319	1.276	1.273	10.8
Chrysene		1.212	1.205	1.293	1.333	1.265	1.293	5.9
Bis(2-ethylhexyl)phthalate		0.767	0.791	0.895	0.933	0.886	0.886	9.3
Di-n-octyl phthalate		1.376	1.402	1.561	1.577	1.514	1.526	7.0
Benzo(b)fluoranthene		0.920	0.971	1.059	1.163	1.151	1.114	12.4
Benzo(k)fluoranthene		1.162	1.093	1.233	1.237	1.240	1.242	8.3
Benzo(a)pyrene		0.871	0.977	1.095	1.141	1.124	1.097	12.2
Indeno(1,2,3-cd)pyrene		0.989	0.957	1.144	1.243	1.257	1.190	14.3
Dibenzo(a,h)anthracene		0.709	0.755	0.962	1.036	1.020	0.967	18.3
Benzo(g,h,i)perylene		0.896	0.912	1.040	1.065	1.080	1.049	10.8
1,2,4,5-Tetrachlorobenzene		0.539	0.540	0.604	0.616	0.589	0.597	7.9
1,4-Dioxane		0.585	0.580	0.630	0.585	0.570	0.591	3.3
2,3,4,6-Tetrachlorophenol		0.317	0.334	0.388	0.410	0.385	0.384	11.5
1-Methylnaphthalene		0.621	0.620	0.693	0.717	0.679	0.685	7.4

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.: BM110923 SAS No.: BM110923 SDG NO.: BM110923EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 9 2023 12:00AMLab File ID: BM042492.D Time Analyzed: 13:15Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	82914	7.928	337305	10.75	205506	14.58
	UPPER LIMIT	165828	8.428	674610	11.251	411012	15.08
	LOWER LIMIT	41457	7.428	168652.5	10.251	102753	14.08
	EPA SAMPLE NO.						
01	PB156951BL	63118	7.85	223981	10.66	141509	14.50
02	PB156951BS	36701 *	7.85	147613 *	10.66	93251 *	14.50
03	WC-1	32713 *	7.85	113797 *	10.66	66533 *	14.50
04	WC-11	30180 *	7.84	104801 *	10.66	61833 *	14.50
05	WC-10	29337 *	7.85	100896 *	10.66	60852 *	14.50
06	WC-6	30624 *	7.85	105245 *	10.66	59975 *	14.50
07	WC-2	27466 *	7.85	94518 *	10.66	54298 *	14.50
08	WC-3	25792 *	7.85	90477 *	10.66	54110 *	14.50
09	ETGI-320	28853 *	7.85	98993 *	10.66	57309 *	14.50
10	67S-IDW-01	30046 *	7.85	108051 *	10.66	68503 *	14.50
11	WC-1MS	38002 *	7.85	152304 *	10.66	93379 *	14.50
12	WC-1MSD	39454 *	7.85	150833 *	10.66	90851 *	14.50
13	OR-3-110623	39669 *	7.85	143600 *	10.66	88398 *	14.50
14	OR-3-110623MS	46252	7.85	182191	10.66	120265	14.50
15	OR-3-110623MSD	49544	7.85	188993	10.66	123921	14.50

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.: BM110923 SAS No.: BM110923 SDG NO.: BM110923EPA Sample No.: SSTDCCC040 Date Analyzed: Nov 9 2023 12:00AMLab File ID: BM042668.D Time Analyzed: 13:15Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	44895	7.845	176321	10.66	120862	14.50
	UPPER LIMIT	89790	8.345	352642	11.163	241724	15.004
	LOWER LIMIT	22447.5	7.345	88160.5	10.163	60431	14.004
	EPA SAMPLE NO.						
01	PB156951BL	63118	7.85	223981	10.66	141509	14.50
02	PB156951BS	36701	7.85	147613	10.66	93251	14.50
03	WC-1	32713	7.85	113797	10.66	66533	14.50
04	WC-11	30180	7.84	104801	10.66	61833	14.50
05	WC-10	29337	7.85	100896	10.66	60852	14.50
06	WC-6	30624	7.85	105245	10.66	59975 *	14.50
07	WC-2	27466	7.85	94518	10.66	54298 *	14.50
08	WC-3	25792	7.85	90477	10.66	54110 *	14.50
09	ETGI-320	28853	7.85	98993	10.66	57309 *	14.50
10	67S-IDW-01	30046	7.85	108051	10.66	68503	14.50
11	WC-1MS	38002	7.85	152304	10.66	93379	14.50
12	WC-1MSD	39454	7.85	150833	10.66	90851	14.50
13	OR-3-110623	39669	7.85	143600	10.66	88398	14.50
14	OR-3-110623MS	46252	7.85	182191	10.66	120265	14.50
15	OR-3-110623MSD	49544	7.85	188993	10.66	123921	14.50

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.: BM110923 SAS No.: BM110923 SDG NO.: BM110923

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 9 2023 12:00AM

Lab File ID: BM042492.D Time Analyzed: 13:15

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	452070	17.327	441056	21.509	444423	23.933
UPPER LIMIT	904140	17.827	882112	22.009	888846	24.433
LOWER LIMIT	226035	16.827	220528	21.009	222211.5	23.433
EPA SAMPLE NO.						
01 PB156951BL	294533	17.26	262988	21.44	307167	23.82
02 PB156951BS	200967 *	17.26	179730 *	21.44	183256 *	23.82
03 WC-1	135844 *	17.26	113449 *	21.44	134116 *	23.81
04 WC-11	132452 *	17.25	116963 *	21.44	61530 *	23.82
05 WC-10	123064 *	17.26	117736 *	21.44	143642 *	23.82
06 WC-6	127161 *	17.25	121558 *	21.44	158384 *	23.82
07 WC-2	110280 *	17.25	101414 *	21.44	128129 *	23.81
08 WC-3	108911 *	17.25	95862 *	21.44	111643 *	23.81
09 ETGI-320	112395 *	17.26	106096 *	21.44	150817 *	23.81
10 67S-IDW-01	138304 *	17.25	121528 *	21.44	149912 *	23.81
11 WC-1MS	187520 *	17.25	162515 *	21.44	175720 *	23.82
12 WC-1MSD	180298 *	17.25	160024 *	21.44	170071 *	23.81
13 OR-3-110623	199602 *	17.25	233225	21.43	285981	23.81
14 OR-3-110623MS	279076	17.25	299081	21.44	352082	23.82
15 OR-3-110623MSD	284714	17.26	290485	21.44	334626	23.82

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.: BM110923 SAS No.: BM110923 SDG NO.: BM110923

EPA Sample No.: SSTDCCC040 Date Analyzed: Nov 9 2023 12:00AM

Lab File ID: BM042668.D Time Analyzed: 13:15

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	283855	17.256	328585	21.439	371607	23.815
UPPER LIMIT	567710	17.756	657170	21.939	743214	24.315
LOWER LIMIT	141927.5	16.756	164292.5	20.939	185803.5	23.315
EPA SAMPLE NO.						
01 PB156951BL	294533	17.26	262988	21.44	307167	23.82
02 PB156951BS	200967	17.26	179730	21.44	183256 *	23.82
03 WC-1	135844 *	17.26	113449 *	21.44	134116 *	23.81
04 WC-11	132452 *	17.25	116963 *	21.44	61530 *	23.82
05 WC-10	123064 *	17.26	117736 *	21.44	143642 *	23.82
06 WC-6	127161 *	17.25	121558 *	21.44	158384 *	23.82
07 WC-2	110280 *	17.25	101414 *	21.44	128129 *	23.81
08 WC-3	108911 *	17.25	95862 *	21.44	111643 *	23.81
09 ETGI-320	112395 *	17.26	106096 *	21.44	150817 *	23.81
10 67S-IDW-01	138304 *	17.25	121528 *	21.44	149912 *	23.81
11 WC-1MS	187520	17.25	162515 *	21.44	175720 *	23.82
12 WC-1MSD	180298	17.25	160024 *	21.44	170071 *	23.81
13 OR-3-110623	199602	17.25	233225	21.43	285981	23.81
14 OR-3-110623MS	279076	17.25	299081	21.44	352082	23.82
15 OR-3-110623MSD	284714	17.26	290485	21.44	334626	23.82

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BM110923

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB156951BS	n-Nitrosodimethylamine	1700	2000	ug/Kg	118		*		57	103		
	Pyridine	1700	950	ug/Kg	56				28	98		
	Benzaldehyde	1700	810	ug/Kg	48				10	147		
	Aniline	1700	1000	ug/Kg	59				38	100		
	Phenol	1700	1500	ug/Kg	88				62	112		
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101		
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112		
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102		
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99		
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100		
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116		
	2-Methylphenol	1700	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100		
	Acetophenone	1700	1600	ug/Kg	94				55	104		
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111		
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95		
	Hexachloroethane	1700	1700	ug/Kg	100				72	108		
	Nitrobenzene	1700	1600	ug/Kg	94				57	101		
	Isophorone	1700	1500	ug/Kg	88				59	99		
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111		
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105		
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107		
	1,2,4-Trichlorobenzene	1700	1700	ug/Kg	100				44	110		
	Benzoic acid	1700	1300	ug/Kg	76				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	1000	ug/Kg	59				16	100		
	Hexachlorobutadiene	1700	2000	ug/Kg	118			*		53	98	
	Caprolactam	1700	1400	ug/Kg	82					67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94					58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88					60	104	
	Hexachlorocyclopentadiene	3300	2800	ug/Kg	85					45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94					59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94					61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88					57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88					58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82					66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88					61	99	
	Acenaphthylene	1700	1500	ug/Kg	88					63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88					61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65					28	100	
	Acenaphthene	1700	1500	ug/Kg	88					57	104	
	Total PAH		27200	25100	ug/Kg	92				57	104	
	2,4-Dinitrophenol		3300	2400	ug/Kg	73				37	128	
	4-Nitrophenol		3300	2500	ug/Kg	76				48	119	
	Dibenzofuran		1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM110923

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB156951BS	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2900	ug/Kg	85				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1200	ug/Kg	71				64	103	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1200	ug/Kg	71				67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	2900	ug/Kg	88				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	1700	ug/Kg	100		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				63	111	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156951BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM110923

SAS No.: BM110923 SDG NO.: BM110923

Lab File ID: BM042669.D

Lab Sample ID: PB156951BL

Instrument ID: BNA_M

Date Extracted: 11/07/2023

Matrix: (soil/water) Solid

Date Analyzed: 11/09/2023

Level: (low/med) LOW

Time Analyzed: 13:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156951BS	PB156951BS	BM042670.D	11/09/2023
ETGI-320	O5267-01	BM042677.D	11/09/2023
OR-3-110623	O5270-01	BM042681.D	11/09/2023
OR-3-110623MS	O5270-01MS	BM042682.D	11/09/2023
OR-3-110623MSD	O5270-01MSD	BM042683.D	11/09/2023

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

67S-IDW-01

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM110923

SAS No.: BM110923 SDG NO.: BM110923

Lab File ID: BM042678.D

Lab Sample ID: 05102-01

Instrument ID: BNA_M

Date Extracted: 11/07/2023

Matrix: (soil/water) water

Date Analyzed: 11/09/2023

Level: (low/med) LOW

Time Analyzed: 19:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
67S-IDW-01	05102-01	BM042678.D	11/09/2023
WC-1MS	05256-04MS	BM042679.D	11/09/2023
WC-1MSD	05256-04MSD	BM042680.D	11/09/2023
WC-1	05256-04	BM042671.D	11/09/2023
WC-11	05256-08	BM042672.D	11/09/2023
WC-10	05256-12	BM042673.D	11/09/2023
WC-6	05257-04	BM042674.D	11/09/2023
WC-2	05257-08	BM042675.D	11/09/2023
WC-3	05257-12	BM042676.D	11/09/2023

COMMENTS:

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	O5270-01MS	Client Sample ID:	OR-3-110623MS					DataFile:	BM042682.D		
n-Nitrosodimethylamine	1100		1200	ug/Kg	109				66	124	
Pyridine	1100		640	ug/Kg	58				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		640	ug/Kg	58				10	88	
Phenol	1100		940	ug/Kg	85				67	126	
bis(2-Chloroethyl)ether	1100		840	ug/Kg	76				74	116	
2-Chlorophenol	1100		930	ug/Kg	85				61	138	
1,2-Dichlorobenzene	1100		960	ug/Kg	87				61	105	
1,3-Dichlorobenzene	1100		970	ug/Kg	88				62	101	
1,4-Dichlorobenzene	1100		970	ug/Kg	88				63	104	
Benzyl Alcohol	1100		980	ug/Kg	89				47	126	
2-Methylphenol	1100		910	ug/Kg	83				66	122	
2,2-oxybis(1-Chloropropane)	1100		950	ug/Kg	86				52	115	
Acetophenone	1100		980	ug/Kg	89				75	111	
3+4-Methylphenols	1100		860	ug/Kg	78				53	132	
N-Nitroso-di-n-propylamine	1100		930	ug/Kg	85				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		1000	ug/Kg	91				70	119	
Isophorone	1100		990	ug/Kg	90				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		850	ug/Kg	77	*			83	144	
bis(2-Chloroethoxy)methane	1100		890	ug/Kg	81				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100				57	103	
Benzoic acid	1100	1200	1200	ug/Kg	0	*			50	104	
Naphthalene	1100		1000	ug/Kg	91				72	110	
4-Chloroaniline	1100		740	ug/Kg	67				10	100	
Hexachlorobutadiene	1100		1300	ug/Kg	118	*			66	114	
Caprolactam	1100		840	ug/Kg	76				51	134	
4-Chloro-3-methylphenol	1100		990	ug/Kg	90				57	132	
2-Methylnaphthalene	1100		950	ug/Kg	86				59	123	
Hexachlorocyclopentadiene	2200		830	ug/Kg	38				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		920	ug/Kg	84				75	113	
2-Chloronaphthalene	1100		990	ug/Kg	90				67	118	
2-Nitroaniline	1100		1200	ug/Kg	109				69	127	
Dimethylphthalate	1100		910	ug/Kg	83				70	113	
Acenaphthylene	1100	0	1300	ug/Kg	118				79	118	
2,6-Dinitrotoluene	1100		920	ug/Kg	84				70	125	
3-Nitroaniline	1100		1100	ug/Kg	100				20	111	
Acenaphthene	1100		1000	ug/Kg	91				70	121	
Total PAH	17600	12300	26400	ug/Kg	150	*			70	121	
2,4-Dinitrophenol	2200		1000	ug/Kg	45				16	160	
4-Nitrophenol	2200		2000	ug/Kg	91				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2020	ug/Kg	92				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1100		1100	ug/Kg	100				55	128	
Diethylphthalate	1100		910	ug/Kg	83				70	112	
4-Chlorophenyl-phenylether	1100		990	ug/Kg	90				71	108	
Fluorene	1100		1100	ug/Kg	100				68	116	
4-Nitroaniline	1100		1200	ug/Kg	109				55	120	
4,6-Dinitro-2-methylphenol	1100		790	ug/Kg	72				32	145	
N-Nitrosodiphenylamine	1100		910	ug/Kg	83				73	118	
Azobenzene	1100		990	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1300	ug/Kg	118				79	127	
Pentachlorophenol	2200		1800	ug/Kg	82				47	128	
Phenanthrene	1100	970	1800	ug/Kg	75				72	113	
Anthracene	1100	0	1200	ug/Kg	109				62	124	
Carbazole	1100		1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100		950	ug/Kg	86				69	118	
Fluoranthene	1100	2500	3100	ug/Kg	55	*			59	125	
Benzidine	2200		1800	ug/Kg	82				10	119	
Pyrene	1100	1800	2500	ug/Kg	64				52	128	
Butylbenzylphthalate	1100		900	ug/Kg	82				64	126	
3,3-Dichlorobenzidine	1100		1000	ug/Kg	91				10	164	
Benzo(a)anthracene	1100	1100	2000	ug/Kg	82				71	114	
Chrysene	1100	1200	1800	ug/Kg	55	*			57	121	
bis(2-Ethylhexyl)phthalate	1100		870	ug/Kg	79				66	127	
Di-n-octyl phthalate	1100		900	ug/Kg	82				71	126	
Benzo(b)fluoranthene	1100	1400	2000	ug/Kg	55	*			67	121	
Benzo(k)fluoranthene	1100	420	1400	ug/Kg	89				74	114	
Benzo(a)pyrene	1100	970	1700	ug/Kg	66	*			70	142	
Indeno(1,2,3-cd)pyrene	1100	630	1600	ug/Kg	88				61	125	
Dibenz(a,h)anthracene	1100	600	1400	ug/Kg	73				67	130	
Benzo(g,h,i)perylene	1100	710	1500	ug/Kg	72				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100				69	124	
1,4-Dioxane	1100		710	ug/Kg	65				46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				56	133	
1-Methylnaphthalene	1100		1000	ug/Kg	91				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5270-01MSD	Client Sample ID:	OR-3-110623MSD					DataFile:	BM042683.D		
n-Nitrosodimethylamine	1100		1200	ug/Kg	109		0		66	124	20
Pyridine	1100		680	ug/Kg	62		7		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		700	ug/Kg	64		10		10	88	20
Phenol	1100		1100	ug/Kg	100		16		67	126	20
bis(2-Chloroethyl)ether	1100		940	ug/Kg	85		11		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		7		61	138	20
1,2-Dichlorobenzene	1100		1100	ug/Kg	100		14		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		3		62	101	20
1,4-Dichlorobenzene	1100		1100	ug/Kg	100		13		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		12		47	126	20
2-Methylphenol	1100		950	ug/Kg	86		4		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		6		52	115	20
Acetophenone	1100		1100	ug/Kg	100		12		75	111	20
3+4-Methylphenols	1100		950	ug/Kg	86		10		53	132	20
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91		7		59	119	20
Hexachloroethane	1100		1100	ug/Kg	100		9		65	117	20
Nitrobenzene	1100		1200	ug/Kg	109		18		70	119	20
Isophorone	1100		1100	ug/Kg	100		11		76	122	20
2-Nitrophenol	1100		1200	ug/Kg	109		9		54	145	20
2,4-Dimethylphenol	1100		960	ug/Kg	87		12		83	144	20
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91		12		68	112	20
2,4-Dichlorophenol	1100		1200	ug/Kg	109		9		72	118	20
1,2,4-Trichlorobenzene	1100		1300	ug/Kg	118	*	17		57	103	20
Benzoic acid	1100	1200	1200	ug/Kg	0	*			50	104	20
Naphthalene	1100		1100	ug/Kg	100		9		72	110	20
4-Chloroaniline	1100		800	ug/Kg	73		9		10	100	20
Hexachlorobutadiene	1100		1400	ug/Kg	127	*	7		66	114	20
Caprolactam	1100		970	ug/Kg	88		15		51	134	20
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100		11		57	132	20
2-Methylnaphthalene	1100		1100	ug/Kg	100		15		59	123	20
Hexachlorocyclopentadiene	2200		790	ug/Kg	36		5		10	175	20
2,4,6-Trichlorophenol	1100		1200	ug/Kg	109		18		72	117	20
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100		16		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		8		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		11		67	118	20
2-Nitroaniline	1100		1400	ug/Kg	127		15		69	127	20
Dimethylphthalate	1100		1000	ug/Kg	91		9		70	113	20
Acenaphthylene	1100	0	1400	ug/Kg	127	*	7		79	118	20
2,6-Dinitrotoluene	1100		1000	ug/Kg	91		8		70	125	20
3-Nitroaniline	1100		1200	ug/Kg	109		9		20	111	20
Acenaphthene	1100		1100	ug/Kg	100		9		70	121	20
Total PAH	17600	12300	28800	ug/Kg	164	*	9		70	121	20
2,4-Dinitrophenol	2200		960	ug/Kg	44		2		16	160	20
4-Nitrophenol	2200		2000	ug/Kg	91		0		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		9		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2300	ug/Kg	105		13		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene	1100		1300	ug/Kg	118		17		55	128	20
Diethylphthalate	1100		1000	ug/Kg	91		9		70	112	20
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100		11		71	108	20
Fluorene	1100		1200	ug/Kg	109		9		68	116	20
4-Nitroaniline	1100		1300	ug/Kg	118		8		55	120	20
4,6-Dinitro-2-methylphenol	1100		730	ug/Kg	66		9		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		9		73	118	20
Azobenzene	1100		1100	ug/Kg	100		11		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		9		65	121	20
Hexachlorobenzene	1100		1200	ug/Kg	109		9		67	118	20
Atrazine	1100		1400	ug/Kg	127		7		79	127	20
Pentachlorophenol	2200		1900	ug/Kg	86		5		47	128	20
Phenanthrene	1100	970	1900	ug/Kg	85		13		72	113	20
Anthracene	1100	0	1400	ug/Kg	127	*	15		62	124	20
Carbazole	1100		1200	ug/Kg	109		9		59	119	20
Di-n-butylphthalate	1100		1100	ug/Kg	100		15		69	118	20
Fluoranthene	1100	2500	3300	ug/Kg	73		28	*	59	125	20
Benzidine	2200		2100	ug/Kg	95		15		10	119	20
Pyrene	1100	1800	2800	ug/Kg	91		35	*	52	128	20
Butylbenzylphthalate	1100		1000	ug/Kg	91		10		64	126	20
3,3-Dichlorobenzidine	1100		1200	ug/Kg	109		18		10	164	20
Benzo(a)anthracene	1100	1100	2200	ug/Kg	100		20		71	114	20
Chrysene	1100	1200	2000	ug/Kg	73		28	*	57	121	20
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91		14		66	127	20
Di-n-octyl phthalate	1100		1000	ug/Kg	91		10		71	126	20
Benzo(b)fluoranthene	1100	1400	2300	ug/Kg	82		39	*	67	121	20
Benzo(k)fluoranthene	1100	420	1400	ug/Kg	89		0		74	114	20
Benzo(a)pyrene	1100	970	1900	ug/Kg	85		25	*	70	142	20
Indeno(1,2,3-cd)pyrene	1100	630	1700	ug/Kg	97		10		61	125	20
Dibenz(a,h)anthracene	1100	600	1500	ug/Kg	82		12		67	130	20
Benzo(g,h,i)perylene	1100	710	1600	ug/Kg	81		12		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1200	ug/Kg	109		9		69	124	20
1,4-Dioxane	1100		780	ug/Kg	71		9		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1200	ug/Kg	109		9		56	133	20
1-Methylnaphthalene	1100		1200	ug/Kg	109		18		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

Client: _____

Analytical Method: **8270E**

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	O5256-04MS	Client Sample ID:	WC-1MS					DataFile:	BM042679.D		
n-Nitrosodimethylamine	500		700	ug/L	140	*			10	130	
Pyridine	500		320	ug/L	64				10	109	
Benzaldehyde	500		110	ug/L	22				10	137	
Aniline	500		210	ug/L	42				10	130	
Phenol	500		470	ug/L	94				10	130	
bis(2-Chloroethyl)ether	500		460	ug/L	92				29	141	
2-Chlorophenol	500		500	ug/L	100				23	127	
1,2-Dichlorobenzene	500		510	ug/L	102				61	114	
1,3-Dichlorobenzene	500		490	ug/L	98				65	106	
1,4-Dichlorobenzene	500		500	ug/L	100				55	125	
Benzyl Alcohol	500		570	ug/L	114	*			31	94	
2-Methylphenol	500		470	ug/L	94				23	132	
2,2-oxybis(1-Chloropropane)	500		480	ug/L	96				36	141	
Acetophenone	500		550	ug/L	110				31	164	
3+4-Methylphenols	500		470	ug/L	94				17	136	
N-Nitroso-di-n-propylamine	500		520	ug/L	104				36	147	
Hexachloroethane	500		550	ug/L	110				35	137	
Nitrobenzene	500		570	ug/L	114				40	134	
Isophorone	500		550	ug/L	110				39	146	
2-Nitrophenol	500		500	ug/L	100				30	148	
2,4-Dimethylphenol	500		460	ug/L	92				17	143	
bis(2-Chloroethoxy)methane	500		500	ug/L	100				39	143	
2,4-Dichlorophenol	500		580	ug/L	116				22	146	
1,2,4-Trichlorobenzene	500		590	ug/L	118	*			66	110	
Benzoic acid	500		200	ug/L	40				10	101	
Naphthalene	500		510	ug/L	102				17	157	
4-Chloroaniline	500		160	ug/L	32				10	95	
Hexachlorobutadiene	500		650	ug/L	130	*			52	125	
Caprolactam	500		400	ug/L	80				10	130	
4-Chloro-3-methylphenol	500		530	ug/L	106				17	148	
2-Methylnaphthalene	500		500	ug/L	100				38	146	
Hexachlorocyclopentadiene	1000		1000	ug/L	100				20	153	
2,4,6-Trichlorophenol	500		590	ug/L	118				46	139	
2,4,5-Trichlorophenol	500		530	ug/L	106				42	129	
1,1-Biphenyl	500		540	ug/L	108				38	154	
2-Chloronaphthalene	500		560	ug/L	112				41	145	
2-Nitroaniline	500		510	ug/L	102				39	151	
Dimethylphthalate	500		510	ug/L	102				42	147	
Acenaphthylene	500		560	ug/L	112				40	141	
2,6-Dinitrotoluene	500		520	ug/L	104				43	148	
3-Nitroaniline	500		320	ug/L	64				10	111	
Acenaphthene	500		520	ug/L	104				37	146	
Total PAH	8000		8820	ug/L	110				37	146	
2,4-Dinitrophenol	1000		380	ug/L	38				14	167	
4-Nitrophenol	1000		740	ug/L	74				10	130	
Dibenzofuran	500		550	ug/L	110				41	145	
2,4-Dinitrotoluene	500		490	ug/L	98				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

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	1000		1010	ug/L	101				40	151	
Diethylphthalate	500		490	ug/L	98				41	148	
4-Chlorophenyl-phenylether	500		570	ug/L	114				38	149	
Fluorene	500		550	ug/L	110				39	144	
4-Nitroaniline	500		410	ug/L	82				27	138	
4,6-Dinitro-2-methylphenol	500		320	ug/L	64				32	175	
N-Nitrosodiphenylamine	500		570	ug/L	114				40	150	
Azobenzene	500		560	ug/L	112				72	112	
4-Bromophenyl-phenylether	500		600	ug/L	120				42	151	
Hexachlorobenzene	500		650	ug/L	130	*			60	129	
Atrazine	500		710	ug/L	142				20	162	
Pentachlorophenol	1000		1000	ug/L	100				15	137	
Phenanthrene	500		550	ug/L	110				40	147	
Anthracene	500		550	ug/L	110				41	146	
Carbazole	500		560	ug/L	112				37	154	
Di-n-butylphthalate	500		500	ug/L	100				40	151	
Fluoranthene	500		530	ug/L	106				42	146	
Benzidine	1000		570	ug/L	57				10	130	
Pyrene	500		560	ug/L	112				41	149	
Butylbenzylphthalate	500		490	ug/L	98				39	155	
3,3-Dichlorobenzidine	500		460	ug/L	92				10	114	
Benzo(a)anthracene	500		540	ug/L	108				41	147	
Chrysene	500		510	ug/L	102				44	144	
bis(2-Ethylhexyl)phthalate	500		450	ug/L	90				33	160	
Di-n-octyl phthalate	500		440	ug/L	88				36	158	
Benzo(b)fluoranthene	500		550	ug/L	110				40	150	
Benzo(k)fluoranthene	500		510	ug/L	102				40	147	
Benzo(a)pyrene	500		490	ug/L	98				42	147	
Indeno(1,2,3-cd)pyrene	500		660	ug/L	132				30	166	
Dibenz(a,h)anthracene	500		590	ug/L	118				23	172	
Benzo(g,h,i)perylene	500		640	ug/L	128				27	167	
1,2,4,5-Tetrachlorobenzene	500		600	ug/L	120	*			89	102	
1,4-Dioxane	500		410	ug/L	82				38	130	
2,3,4,6-Tetrachlorophenol	500		570	ug/L	114	*			91	111	
1-Methylnaphthalene	500		520	ug/L	104				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O5256-04MSD	Client Sample ID:	WC-1MSD					DataFile:	BM042680.D		
n-Nitrosodimethylamine	500		720	ug/L	144	*	3		10	130	20
Pyridine	500		330	ug/L	66		3		10	109	20
Benzaldehyde	500		120	ug/L	24		9		10	137	20
Aniline	500		210	ug/L	42		0		10	130	20
Phenol	500		470	ug/L	94		0		10	130	20
bis(2-Chloroethyl)ether	500		460	ug/L	92		0		29	141	20
2-Chlorophenol	500		500	ug/L	100		0		23	127	20
1,2-Dichlorobenzene	500		510	ug/L	102		0		61	114	20
1,3-Dichlorobenzene	500		500	ug/L	100		2		65	106	20
1,4-Dichlorobenzene	500		510	ug/L	102		2		55	125	20
Benzyl Alcohol	500		590	ug/L	118	*	3		31	94	20
2-Methylphenol	500		470	ug/L	94		0		23	132	20
2,2-oxybis(1-Chloropropane)	500		480	ug/L	96		0		36	141	20
Acetophenone	500		570	ug/L	114		4		31	164	20
3+4-Methylphenols	500		480	ug/L	96		2		17	136	20
N-Nitroso-di-n-propylamine	500		520	ug/L	104		0		36	147	20
Hexachloroethane	500		550	ug/L	110		0		35	137	20
Nitrobenzene	500		600	ug/L	120		5		40	134	20
Isophorone	500		560	ug/L	112		2		39	146	20
2-Nitrophenol	500		520	ug/L	104		4		30	148	20
2,4-Dimethylphenol	500		470	ug/L	94		2		17	143	20
bis(2-Chloroethoxy)methane	500		520	ug/L	104		4		39	143	20
2,4-Dichlorophenol	500		590	ug/L	118		2		22	146	20
1,2,4-Trichlorobenzene	500		620	ug/L	124	*	5		66	110	20
Benzoic acid	500		280	ug/L	56		33	*	10	101	20
Naphthalene	500		530	ug/L	106		4		17	157	20
4-Chloroaniline	500		170	ug/L	34		6		10	95	20
Hexachlorobutadiene	500		670	ug/L	134	*	3		52	125	20
Caprolactam	500		410	ug/L	82		2		10	130	20
4-Chloro-3-methylphenol	500		550	ug/L	110		4		17	148	20
2-Methylnaphthalene	500		510	ug/L	102		2		38	146	20
Hexachlorocyclopentadiene	1000		1000	ug/L	100		0		20	153	20
2,4,6-Trichlorophenol	500		610	ug/L	122		3		46	139	20
2,4,5-Trichlorophenol	500		560	ug/L	112		6		42	129	20
1,1-Biphenyl	500		560	ug/L	112		4		38	154	20
2-Chloronaphthalene	500		580	ug/L	116		4		41	145	20
2-Nitroaniline	500		520	ug/L	104		2		39	151	20
Dimethylphthalate	500		530	ug/L	106		4		42	147	20
Acenaphthylene	500		570	ug/L	114		2		40	141	20
2,6-Dinitrotoluene	500		550	ug/L	110		6		43	148	20
3-Nitroaniline	500		320	ug/L	64		0		10	111	20
Acenaphthene	500		530	ug/L	106		2		37	146	20
Total PAH	8000		9090	ug/L	114		4		37	146	20
2,4-Dinitrophenol	1000		470	ug/L	47		21	*	14	167	20
4-Nitrophenol	1000		770	ug/L	77		4		10	130	20
Dibenzofuran	500		550	ug/L	110		0		41	145	20
2,4-Dinitrotoluene	500		500	ug/L	100		2		40	151	20



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM110923

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	1000		1050	ug/L	105		4		40	151	20
Diethylphthalate	500		500	ug/L	100		2		41	148	20
4-Chlorophenyl-phenylether	500		580	ug/L	116		2		38	149	20
Fluorene	500		560	ug/L	112		2		39	144	20
4-Nitroaniline	500		420	ug/L	84		2		27	138	20
4,6-Dinitro-2-methylphenol	500		370	ug/L	74		14		32	175	20
N-Nitrosodiphenylamine	500		580	ug/L	116		2		40	150	20
Azobenzene	500		560	ug/L	112		0		72	112	20
4-Bromophenyl-phenylether	500		610	ug/L	122		2		42	151	20
Hexachlorobenzene	500		670	ug/L	134	*	3		60	129	20
Atrazine	500		740	ug/L	148		4		20	162	20
Pentachlorophenol	1000		1100	ug/L	110		10		15	137	20
Phenanthrene	500		560	ug/L	112		2		40	147	20
Anthracene	500		570	ug/L	114		4		41	146	20
Carbazole	500		580	ug/L	116		4		37	154	20
Di-n-butylphthalate	500		520	ug/L	104		4		40	151	20
Fluoranthene	500		540	ug/L	108		2		42	146	20
Benzidine	1000		610	ug/L	61		7		10	130	20
Pyrene	500		570	ug/L	114		2		41	149	20
Butylbenzylphthalate	500		500	ug/L	100		2		39	155	20
3,3-Dichlorobenzidine	500		480	ug/L	96		4		10	114	20
Benzo(a)anthracene	500		550	ug/L	110		2		41	147	20
Chrysene	500		530	ug/L	106		4		44	144	20
bis(2-Ethylhexyl)phthalate	500		470	ug/L	94		4		33	160	20
Di-n-octyl phthalate	500		460	ug/L	92		4		36	158	20
Benzo(b)fluoranthene	500		570	ug/L	114		4		40	150	20
Benzo(k)fluoranthene	500		520	ug/L	104		2		40	147	20
Benzo(a)pyrene	500		510	ug/L	102		4		42	147	20
Indeno(1,2,3-cd)pyrene	500		700	ug/L	140		6		30	166	20
Dibenz(a,h)anthracene	500		610	ug/L	122		3		23	172	20
Benzo(g,h,i)perylene	500		670	ug/L	134		5		27	167	20
1,2,4,5-Tetrachlorobenzene	500		630	ug/L	126	*	5		89	102	20
1,4-Dioxane	500		420	ug/L	84		2		38	130	20
2,3,4,6-Tetrachlorophenol	500		580	ug/L	116	*	2		91	111	20
1-Methylnaphthalene	500		530	ug/L	106		2		25	151	20



Surrogate Summary

SW-846

SDG No.: BM110923

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5267-01	ETGI-320	BM042677.D	2-Fluorophenol	150	90.20	60		18	112
			Phenol-d6	150	102.55	68		15	107
			Nitrobenzene-d5	100	92.72	93		18	107
			2-Fluorobiphenyl	100	87.84	88		20	109
			2,4,6-Tribromophenol	150	41.39	28		10	110
			Terphenyl-d14	100	83.66	84		14	112
O5270-01	OR-3-110623	BM042681.D	2-Fluorophenol	150	99.11	66		18	112
			Phenol-d6	150	89.01	59		15	107
			Nitrobenzene-d5	100	70.67	71		18	107
			2-Fluorobiphenyl	100	65.12	65		20	109
			2,4,6-Tribromophenol	150	100.26	67		10	110
			Terphenyl-d14	100	58.27	58		14	112
O5270-01MS	OR-3-110623MS	BM042682.D	2-Fluorophenol	150	81.41	54		18	112
			Phenol-d6	150	79.22	53		15	107
			Nitrobenzene-d5	100	59.99	60		18	107
			2-Fluorobiphenyl	100	54.52	55		20	109
			2,4,6-Tribromophenol	150	96.89	65		10	110
			Terphenyl-d14	100	50.12	50		14	112
O5270-01MSD	OR-3-110623MSD	BM042683.D	2-Fluorophenol	150	90.78	61		18	112
			Phenol-d6	150	86.68	58		15	107
			Nitrobenzene-d5	100	66.32	66		18	107
			2-Fluorobiphenyl	100	60.24	60		20	109
			2,4,6-Tribromophenol	150	104.56	70		10	110
			Terphenyl-d14	100	55.37	55		14	112
PB156951BL	PB156951BL	BM042669.D	2-Fluorophenol	150	78.70	52		18	112
			Phenol-d6	150	71.33	48		15	107
			Nitrobenzene-d5	100	54.81	55		18	107
			2-Fluorobiphenyl	100	50.42	50		20	109
			2,4,6-Tribromophenol	150	81.45	54		10	110
			Terphenyl-d14	100	53.64	54		14	112
PB156951BS	PB156951BS	BM042670.D	2-Fluorophenol	150	147.40	98		18	112
			Phenol-d6	150	138.92	93		15	107
			Nitrobenzene-d5	100	96.29	96		18	107
			2-Fluorobiphenyl	100	92.10	92		20	109
			2,4,6-Tribromophenol	150	162.16	108		10	110
			Terphenyl-d14	100	95.72	96		14	112

Surrogate Summary

SW-846

SDG No.: BM110923

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5102-01	67S-IDW-01	BM042678.D	2-Fluorophenol	150	169.25	113		10	139
			Phenol-d6	150	145.00	97		10	134
			Nitrobenzene-d5	100	133.89	134	*	49	133
			2-Fluorobiphenyl	100	123.42	123		52	132
			2,4,6-Tribromophenol	150	192.35	128		32	145
			Terphenyl-d14	100	136.69	137		36	145
O5256-04	WC-1	BM042671.D	2-Fluorophenol	150	157.04	105		10	139
			Phenol-d6	150	131.64	88		10	134
			Nitrobenzene-d5	100	125.44	125		49	133
			2-Fluorobiphenyl	100	119.03	119		52	132
			2,4,6-Tribromophenol	150	189.20	126		32	145
			Terphenyl-d14	100	130.43	130		36	145
O5256-04MS	WC-1MS	BM042679.D	2-Fluorophenol	150	153.10	102		10	139
			Phenol-d6	150	138.18	92		10	134
			Nitrobenzene-d5	100	113.99	114		49	133
			2-Fluorobiphenyl	100	110.27	110		52	132
			2,4,6-Tribromophenol	150	177.60	118		32	145
			Terphenyl-d14	100	115.29	115		36	145
O5256-04MSD	WC-1MSD	BM042680.D	2-Fluorophenol	150	153.84	103		10	139
			Phenol-d6	150	139.08	93		10	134
			Nitrobenzene-d5	100	117.90	118		49	133
			2-Fluorobiphenyl	100	114.48	114		52	132
			2,4,6-Tribromophenol	150	179.95	120		32	145
			Terphenyl-d14	100	116.97	117		36	145
O5256-08	WC-11	BM042672.D	2-Fluorophenol	150	161.48	108		10	139
			Phenol-d6	150	134.66	90		10	134
			Nitrobenzene-d5	100	129.43	129		49	133
			2-Fluorobiphenyl	100	124.11	124		52	132
			2,4,6-Tribromophenol	150	207.50	138		32	145
			Terphenyl-d14	100	138.08	138		36	145
O5256-12	WC-10	BM042673.D	2-Fluorophenol	150	148.27	99		10	139
			Phenol-d6	150	127.00	85		10	134
			Nitrobenzene-d5	100	117.14	117		49	133
			2-Fluorobiphenyl	100	108.37	108		52	132
			2,4,6-Tribromophenol	150	175.21	117		32	145
			Terphenyl-d14	100	112.54	113		36	145
O5257-04	WC-6	BM042674.D	2-Fluorophenol	150	119.67	80		10	139
			Phenol-d6	150	100.02	67		10	134
			Nitrobenzene-d5	100	95.99	96		49	133
			2-Fluorobiphenyl	100	92.41	92		52	132
			2,4,6-Tribromophenol	150	152.44	102		32	145
			Terphenyl-d14	100	95.41	95		36	145
O5257-08	WC-2	BM042675.D	2-Fluorophenol	150	153.82	103		10	139
			Phenol-d6	150	131.25	87		10	134
			Nitrobenzene-d5	100	120.72	121		49	133
			2-Fluorobiphenyl	100	114.12	114		52	132
			2,4,6-Tribromophenol	150	185.49	124		32	145
			Terphenyl-d14	100	120.90	121		36	145
O5257-12	WC-3	BM042676.D	2-Fluorophenol	150	166.10	111		10	139
			Phenol-d6	150	143.74	96		10	134
			Nitrobenzene-d5	100	130.54	131		49	133



Surrogate Summary
SW-846

SDG No.: BM110923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5257-12	WC-3	BM042676.D	2-Fluorobiphenyl	100	122.46	122		52	132
			2,4,6-Tribromophenol	150	195.02	130		32	145
			Terphenyl-d14	100	135.40	135		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM110923Lab Code: CHEMSAS No.: BM110923 SDG NO.: BM110923Lab File ID: BM042667.DDFTPP Injection Date: 11/09/2023Instrument ID: BNA_MDFTPP Injection Time: 11:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	58.3
68	Less than 2.0% of mass 69	0.9 (1.9) 1
69	Mass 69 relative abundance	47.5
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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	BM042668.D	11/09/2023	11:53
PB156951BL	PB156951BL	BM042669.D	11/09/2023	13:15
PB156951BS	PB156951BS	BM042670.D	11/09/2023	13:51
WC-1	O5256-04	BM042671.D	11/09/2023	14:27
WC-11	O5256-08	BM042672.D	11/09/2023	15:30
WC-10	O5256-12	BM042673.D	11/09/2023	16:06
WC-6	O5257-04	BM042674.D	11/09/2023	16:45
WC-2	O5257-08	BM042675.D	11/09/2023	17:21
WC-3	O5257-12	BM042676.D	11/09/2023	17:58
ETGI-320	O5267-01	BM042677.D	11/09/2023	18:34
67S-IDW-01	O5102-01	BM042678.D	11/09/2023	19:10
WC-1MS	O5256-04MS	BM042679.D	11/09/2023	19:45
WC-1MSD	O5256-04MSD	BM042680.D	11/09/2023	20:21
OR-3-110623	O5270-01	BM042681.D	11/09/2023	20:57
OR-3-110623MS	O5270-01MS	BM042682.D	11/09/2023	21:34
OR-3-110623MSD	O5270-01MSD	BM042683.D	11/09/2023	22:10