

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM080723 SAS No.: BM080723 SDG No.: BM080723

Instrument ID: BNA_M Calibration Date/Time: 8/7/2023 12:09:20

Lab File ID: BM041303.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	0.696	0.592		-14.943	
Pyridine	1.505	1.375		-8.638	
2-Fluorophenol	1.338	1.226		-8.371	
Benzaldehyde	0.915	0.830		-9.29	
Aniline	2.030	1.912		-5.813	
Phenol-d6	1.735	1.601		-7.723	
Phenol	1.675	1.556		-7.104	20.0
bis(2-Chloroethyl)ether	1.356	1.248		-7.965	
2-Chlorophenol	1.306	1.226		-6.126	
1,2-Dichlorobenzene	1.370	1.310		-4.38	
1,3-Dichlorobenzene	1.422	1.351		-4.993	
1,4-Dichlorobenzene	1.429	1.355		-5.178	20.0
Benzyl Alcohol	1.095	1.141		4.201	
2-Methylphenol	1.145	1.098		-4.105	
2,2-oxybis(1-Chloropropane)	1.807	1.498		-17.1	
Acetophenone	0.530	0.497		-6.226	
3+4-Methylphenols	1.530	1.496		-2.222	
n-Nitroso-di-n-propylamine	1.054	1.038	0.050	-1.518	
Nitrobenzene-d5	0.430	0.401		-6.744	
Hexachloroethane	0.532	0.520		-2.256	
Nitrobenzene	0.435	0.404		-7.126	
Isophorone	0.730	0.736		0.822	
2-Nitrophenol	0.170	0.183		7.647	20.0
2,4-Dimethylphenol	0.299	0.288		-3.679	
bis(2-Chloroethoxy)methane	0.457	0.427		-6.565	
2,4-Dichlorophenol	0.302	0.308		1.987	20.0
1,2,4-Trichlorobenzene	0.333	0.336		0.901	
Benzoic acid	0.198	0.231		16.667	
Naphthalene	1.085	1.003		-7.558	
4-Chloroaniline	0.434	0.434		0.0	
Hexachlorobutadiene	0.200	0.217		8.5	20.0
Caprolactam	0.087	0.096		10.345	
4-Chloro-3-methylphenol	0.318	0.324		1.887	20.0
2-Methylnaphthalene	0.732	0.716		-2.186	
Hexachlorocyclopentadiene	0.344	0.274	0.050	-20.349	
2,4,6-Trichlorophenol	0.416	0.425		2.163	20.0
2-Fluorobiphenyl	1.583	1.456		-8.023	
2,4,5-Trichlorophenol	0.482	0.490		1.66	
1,1-Biphenyl	1.621	1.469		-9.377	
2-Chloronaphthalene	1.211	1.133		-6.441	
2-Nitroaniline	0.386	0.386		0.0	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.504	1.468		-2.394	
Acenaphthylene	1.954	1.833		-6.192	
2,6-Dinitrotoluene	0.312	0.322		3.205	
3-Nitroaniline	0.326	0.343		5.215	
Acenaphthene	1.177	1.089		-7.477	20.0
2,4-Dinitrophenol	0.180	0.203	0.050	12.778	
4-Nitrophenol	0.260	0.259	0.050	-0.385	
Dibenzofuran	1.921	1.797		-6.455	
2,4-Dinitrotoluene	0.402	0.444		10.448	
Diethylphthalate	1.455	1.488		2.268	
4-Chlorophenyl-phenylether	0.759	0.772		1.713	
Fluorene	1.515	1.441		-4.884	
4-Nitroaniline	0.284	0.326		14.789	
4,6-Dinitro-2-methylphenol	0.121	0.127		4.959	
n-Nitrosodiphenylamine	0.622	0.566		-9.003	20.0
Azobenzene	1.594	1.510		-5.27	
2,4,6-Tribromophenol	0.283	0.306		8.127	
4-Bromophenyl-phenylether	0.219	0.218		-0.457	
Hexachlorobenzene	0.244	0.238		-2.459	
Atrazine	0.163	0.177		8.589	
Pentachlorophenol	0.169	0.176		4.142	20.0
Phenanthrene	1.111	1.007		-9.361	
Anthracene	1.099	1.039		-5.46	
Carbazole	0.995	0.942		-5.327	
Di-n-butylphthalate	1.124	1.206		7.295	
Fluoranthene	1.248	1.219		-2.324	20.0
Benzidine	0.273	0.361		32.234	
Pyrene	1.399	1.350		-3.503	
Terphenyl-d14	1.106	1.088		-1.627	
Butylbenzylphthalate	0.511	0.581		13.699	
3,3-Dichlorobenzidine	0.442	0.458		3.62	
Benzo (a) anthracene	1.356	1.337		-1.401	
Chrysene	1.311	1.253		-4.424	
Bis (2-ethylhexyl) phthalate	0.730	0.863		18.219	
Di-n-octyl phthalate	1.291	1.446		12.006	20.0
Benzo (b) fluoranthene	1.188	1.120		-5.724	
Benzo (k) fluoranthene	1.215	1.166		-4.033	
Benzo (a) pyrene	1.142	1.107		-3.065	20.0
Indeno (1,2,3-cd) pyrene	1.470	1.380		-6.122	
Dibenzo (a,h) anthracene	1.226	1.158		-5.546	
Benzo (g,h,i) perylene	1.200	1.105		-7.917	



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_M Calibration Date/Time: 8/7/2023 12:09:20

Lab File ID: BM041303.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	0.649	0.630		-2.928	
1,4-Dioxane	0.572	0.495		-13.462	20.0
2,3,4,6-Tetrachlorophenol	0.390	0.407		4.359	
1-Methylnaphthalene	0.685	0.666		-2.774	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BL	SDG No.:	BM080723
Lab Sample ID:	PB154530BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041304.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

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

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BL	SDG No.:	BM080723
Lab Sample ID:	PB154530BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041304.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

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

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BL	SDG No.:	BM080723
Lab Sample ID:	PB154530BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041304.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	140.316		10-139		94	SPK: -150
13127-88-3	Phenol-d6	133.14		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	89.011		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	90.554		52-132		91	SPK: -100
118-79-6	2,4,6-Tribromophenol	146.721		32-145		98	SPK: -150
1718-51-0	Terphenyl-d14	112.432		36-145		112	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148621	7.787				
1146-65-2	Naphthalene-d8	580919	10.592				
15067-26-2	Acenaphthene-d10	344529	14.451				
1517-22-2	Phenanthrene-d10	701512	17.215				
1719-03-5	Chrysene-d12	562372	21.421				
1520-96-3	Perylene-d12	600576	23.791				



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

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BL	SDG No.:	BM080723
Lab Sample ID:	PB154530BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041304.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	10	J			18.11	
000057-11-4	Octadecanoic acid	5.2	J			19.398	

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BS	SDG No.:	BM080723
Lab Sample ID:	PB154530BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041305.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.7		2	8	10	ug/L
110-86-1	Pyridine	37.6		1.8	4	5	ug/L
100-52-7	Benzaldehyde	44.5		3.3	8	10	ug/L
62-53-3	Aniline	43.6		2.4	4	5	ug/L
108-95-2	Phenol	50.6		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.6		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	52.6		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	55.2		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	54.5		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	55.6		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	55.6		2.4	8	10	ug/L
95-48-7	2-Methylphenol	48.3		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.5		2.3	4	5	ug/L
98-86-2	Acetophenone	51.6		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	47.9		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.6		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	56.8		1.6	4	5	ug/L
98-95-3	Nitrobenzene	49.3		1.7	4	5	ug/L
78-59-1	Isophorone	51.1		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	57.7		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	48.1		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.8		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	53.8		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	56.8		1.7	4	5	ug/L
65-85-0	Benzoic acid	49.7		6.7	8	10	ug/L
91-20-3	Naphthalene	49.2		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	34.3		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	60.5		1.9	4	5	ug/L
105-60-2	Caprolactam	49.1		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	49.4		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	48		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BS	SDG No.:	BM080723
Lab Sample ID:	PB154530BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041305.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	120	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	55.9		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	52		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	51.1		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	53.6		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	49.4		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	50.3		1.9	4	5	ug/L
208-96-8	Acenaphthylene	51.6		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	52.8		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	38.1		2.4	4	5	ug/L
83-32-9	Acenaphthene	49		1.7	4	5	ug/L
Total PAH	Total PAH	820.8		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	98.1	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	98.3	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	48.7		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	49		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.8		4.6	4	10	ug/L
84-66-2	Diethylphthalate	50.4		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	51.4		2.2	4	5	ug/L
86-73-7	Fluorene	48.6		2	4	5	ug/L
100-01-6	4-Nitroaniline	43.8		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	54.5		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	50.9		2	4	5	ug/L
103-33-3	Azobenzene	47.1		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	54.9		2	4	5	ug/L
118-74-1	Hexachlorobenzene	56.9		1.9	4	5	ug/L
1912-24-9	Atrazine	68.5		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	91.9	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	49.6		2	4	5	ug/L
120-12-7	Anthracene	50.7		2.3	4	5	ug/L
86-74-8	Carbazole	49.7		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	55.4		2.4	4	5	ug/L
206-44-0	Fluoranthene	49.4		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BS	SDG No.:	BM080723
Lab Sample ID:	PB154530BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041305.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	E	6.6	8	10	ug/L
129-00-0	Pyrene	53		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	59.9		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	57.7		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	52.9		1.5	4	5	ug/L
218-01-9	Chrysene	49.9		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54.7		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	59.3		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	53.9		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	48.9		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	49.1		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	56		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	54		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	56.4		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	38		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.5		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	48.6		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	142.854		10-139		95	SPK: -150
13127-88-3	Phenol-d6	133.322		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	94.329		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	97.831		52-132		98	SPK: -100
118-79-6	2,4,6-Tribromophenol	149.045		32-145		99	SPK: -150
1718-51-0	Terphenyl-d14	109.132		36-145		109	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118701	7.786				
1146-65-2	Naphthalene-d8	445185	10.592				
15067-26-2	Acenaphthene-d10	240584	14.451				
1517-22-2	Phenanthrene-d10	463541	17.215				
1719-03-5	Chrysene-d12	397395	21.421				
1520-96-3	Perylene-d12	462116	23.791				



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Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	PB154530BS	SDG No.:	BM080723
Lab Sample ID:	PB154530BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041305.D	1	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154530

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

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BS	SDG No.:	BM080723
Lab Sample ID:	PB154462BS	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
BM041306.D	1	7/27/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		77.2	270	330	ug/Kg
110-86-1	Pyridine	1100		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	1300		150	270	330	ug/Kg
62-53-3	Aniline	1200		120	130	170	ug/Kg
108-95-2	Phenol	1400		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1400		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1400		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	980		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1700		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BS	SDG No.:	BM080723
Lab Sample ID:	PB154462BS	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
BM041306.D	1	7/27/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3500	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1400		80.2	130	170	ug/Kg
Total PAH	Total PAH	22800		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		90.3	130	170	ug/Kg
86-73-7	Fluorene	1400		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.7	130	170	ug/Kg
1912-24-9	Atrazine	1900		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2600		110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.6	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1400		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		100	130	170	ug/Kg
206-44-0	Fluoranthene	1400		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BS	SDG No.:	BM080723
Lab Sample ID:	PB154462BS	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
BM041306.D	1	7/27/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4000	E	190	270	330	ug/Kg
129-00-0	Pyrene	1400		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.8	130	170	ug/Kg
218-01-9	Chrysene	1400		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.526		18-112		81	SPK: -150
13127-88-3	Phenol-d6	113.403		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	80.371		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	81.658		20-109		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	125.96		10-110		84	SPK: -150
1718-51-0	Terphenyl-d14	88.133		14-112		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	127369	7.787				
1146-65-2	Naphthalene-d8	481834	10.592				
15067-26-2	Acenaphthene-d10	264010	14.451				
1517-22-2	Phenanthrene-d10	514461	17.215				
1719-03-5	Chrysene-d12	478268	21.421				
1520-96-3	Perylene-d12	583740	23.791				



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Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	PB154462BS	SDG No.:	BM080723
Lab Sample ID:	PB154462BS	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
BM041306.D	1	7/27/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154462

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

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154558BS	SDG No.:	BM080723
Lab Sample ID:	PB154558BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041307.D	1	8/1/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		77.3	270	330	ug/Kg
110-86-1	Pyridine	900		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	1100		150	270	330	ug/Kg
62-53-3	Aniline	1000		120	130	170	ug/Kg
108-95-2	Phenol	1200		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1300		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1300		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1200		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		110	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1200		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.2	130	170	ug/Kg
78-59-1	Isophorone	1200		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1300		210	270	330	ug/Kg
91-20-3	Naphthalene	1200		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	860		110	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		84	130	170	ug/Kg
105-60-2	Caprolactam	1200		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154558BS	SDG No.:	BM080723
Lab Sample ID:	PB154558BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041307.D	1	8/1/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2900	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1200		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1200		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1200		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1200		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	950		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1200		80.3	130	170	ug/Kg
Total PAH	Total PAH	19700		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2400		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1200		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1200		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		90.4	130	170	ug/Kg
86-73-7	Fluorene	1200		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1100		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1100		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1600		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2200		110	270	330	ug/Kg
85-01-8	Phenanthrene	1200		92.7	130	170	ug/Kg
120-12-7	Anthracene	1200		100	130	170	ug/Kg
86-74-8	Carbazole	1200		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1200		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154558BS	SDG No.:	BM080723
Lab Sample ID:	PB154558BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041307.D	1	8/1/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	3400	E	190	270	330	ug/Kg
129-00-0	Pyrene	1200		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1300		83.9	130	170	ug/Kg
218-01-9	Chrysene	1200		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1200		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	920		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103.181		18-112		69	SPK: -150
13127-88-3	Phenol-d6	96.852		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	68.534		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	69.774		20-109		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	107.778		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	75.679		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	146263	7.787				
1146-65-2	Naphthalene-d8	550716	10.592				
15067-26-2	Acenaphthene-d10	302572	14.451				
1517-22-2	Phenanthrene-d10	594030	17.215				
1719-03-5	Chrysene-d12	545549	21.421				
1520-96-3	Perylene-d12	672540	23.786				



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Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154558BS	SDG No.:	BM080723
Lab Sample ID:	PB154558BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041307.D	1	8/1/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154558

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

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BM080723
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041308.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		77.3	270	330	ug/Kg
110-86-1	Pyridine	910		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	1100		150	270	330	ug/Kg
62-53-3	Aniline	1100		120	130	170	ug/Kg
108-95-2	Phenol	1300		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1300		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1200		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		110	130	170	ug/Kg
98-86-2	Acetophenone	1200		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1200		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.2	130	170	ug/Kg
78-59-1	Isophorone	1200		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1300		210	270	330	ug/Kg
91-20-3	Naphthalene	1200		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	860		110	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		84	130	170	ug/Kg
105-60-2	Caprolactam	1200		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BM080723
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041308.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3000	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1200		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1200		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1200		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1300		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	950		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1200		80.3	130	170	ug/Kg
Total PAH	Total PAH	19700		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2500		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1200		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1200		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		90.4	130	170	ug/Kg
86-73-7	Fluorene	1200		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1100		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1100		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1600		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2200		110	270	330	ug/Kg
85-01-8	Phenanthrene	1200		92.7	130	170	ug/Kg
120-12-7	Anthracene	1200		100	130	170	ug/Kg
86-74-8	Carbazole	1200		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1200		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BM080723
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041308.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	3400	E	190	270	330	ug/Kg
129-00-0	Pyrene	1200		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1300		83.9	130	170	ug/Kg
218-01-9	Chrysene	1200		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1200		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	930		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.521		18-112		70	SPK: -150
13127-88-3	Phenol-d6	98.897		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	69.074		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	70.688		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	108.603		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	76.168		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149527	7.786				
1146-65-2	Naphthalene-d8	574647	10.592				
15067-26-2	Acenaphthene-d10	314862	14.451				
1517-22-2	Phenanthrene-d10	618266	17.215				
1719-03-5	Chrysene-d12	573952	21.421				
1520-96-3	Perylene-d12	691251	23.791				



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Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	PB154638BS	SDG No.:	BM080723
Lab Sample ID:	PB154638BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	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
BM041308.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

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

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-02	SDG No.:	BM080723
Lab Sample ID:	O3903-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.08	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
BM041309.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.3	U	90.3	320	390	ug/Kg
110-86-1	Pyridine	84.6	U	84.6	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	86.9	U	86.9	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.1	U	84.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	95.4	U	95.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.2	U	96.2	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68.9	U	68.9	93.4	93.4	ug/Kg
67-72-1	Hexachloroethane	86	U	86	150	200	ug/Kg
98-95-3	Nitrobenzene	87.8	U	87.8	150	200	ug/Kg
78-59-1	Isophorone	79.5	U	79.5	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	91.2	U	91.2	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.5	U	90.5	150	200	ug/Kg
65-85-0	Benzoic acid	290	J	250	320	390	ug/Kg
91-20-3	Naphthalene	95.1	U	95.1	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.1	U	98.1	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.3	U	96.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-02	SDG No.:	BM080723
Lab Sample ID:	O3903-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041309.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90	U	90	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	98.8	U	98.8	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	93.8	U	93.8	150	200	ug/Kg
Total PAH	Total PAH	1667.4	U	1667.4	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	89.8	U	89.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	99	U	99	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	85.8	U	85.8	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	99.2	U	99.2	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-02	SDG No.:	BM080723
Lab Sample ID:	O3903-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041309.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	97.7	U	97.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	98	U	98	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	93.8	U	93.8	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.8	U	96.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.196		18-112		57	SPK: -150
13127-88-3	Phenol-d6	87.05		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	53.86		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	48.41		20-109		48	SPK: -100
118-79-6	2,4,6-Tribromophenol	94.525		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	60.699		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118896	7.787				
1146-65-2	Naphthalene-d8	489741	10.592				
15067-26-2	Acenaphthene-d10	333826	14.457				
1517-22-2	Phenanthrene-d10	796784	17.215				
1719-03-5	Chrysene-d12	646296	21.421				
1520-96-3	Perylene-d12	624903	23.791				

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-02	SDG No.:	BM080723
Lab Sample ID:	O3903-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041309.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	150	J			13.339	
000143-07-7	Dodecanoic acid	90.3	J			14.88	
000057-10-3	n-Hexadecanoic acid	370	J			15.292	
000544-63-8	Tetradecanoic acid	110	J			16.615	
000057-11-4	Octadecanoic acid	120	J			17.88	
002091-29-4	9-Hexadecenoic acid	120	J			17.986	
000638-53-9	Tridecanoic acid	2000	J			18.121	
013126-39-1	cis-13-Octadecenoic acid	96.5	J			19.28	
001002-84-2	Pentadecanoic acid	920	J			19.398	
000295-65-8	Cyclohexadecane	160	J			21.127	
007683-64-9	Supraene	640	J			22.321	
000111-02-4	Squalene	970	J			22.639	

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-03	SDG No.:	BM080723
Lab Sample ID:	O3903-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.3
Sample Wt/Vol:	30.1	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
BM041310.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	97.9	U	97.9	340	420	ug/Kg
110-86-1	Pyridine	91.7	U	91.7	160	220	ug/Kg
100-52-7	Benzaldehyde	190	U	190	340	420	ug/Kg
62-53-3	Aniline	150	U	150	160	220	ug/Kg
108-95-2	Phenol	94.2	U	94.2	160	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	220	ug/Kg
95-57-8	2-Chlorophenol	91.2	U	91.2	160	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	220	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	340	420	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	220	ug/Kg
98-86-2	Acetophenone	110	U	110	160	220	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	74.7	U	74.7	100	100	ug/Kg
67-72-1	Hexachloroethane	93.2	U	93.2	160	220	ug/Kg
98-95-3	Nitrobenzene	95.2	U	95.2	160	220	ug/Kg
78-59-1	Isophorone	86.2	U	86.2	160	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	220	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	160	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	160	220	ug/Kg
120-83-2	2,4-Dichlorophenol	98.9	U	98.9	160	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	98.1	U	98.1	160	220	ug/Kg
65-85-0	Benzoic acid	270	U	270	340	420	ug/Kg
91-20-3	Naphthalene	100	U	100	160	220	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	160	220	ug/Kg
105-60-2	Caprolactam	150	U	150	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	160	220	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	160	220	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-03	SDG No.:	BM080723
Lab Sample ID:	O3903-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.3
Sample Wt/Vol:	30.1	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
BM041310.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	270	U	270	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	97.6	U	97.6	160	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	160	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	160	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	160	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	160	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	220	ug/Kg
Total PAH	Total PAH	1830	U	1830	160	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	340	420	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	340	420	ug/Kg
132-64-9	Dibenzofuran	97.4	U	97.4	160	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	160	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	160	220	ug/Kg
84-66-2	Diethylphthalate	110	U	110	160	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	220	ug/Kg
86-73-7	Fluorene	110	U	110	160	220	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	160	220	ug/Kg
103-33-3	Azobenzene	93.1	U	93.1	160	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	220	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	160	220	ug/Kg
1912-24-9	Atrazine	120	U	120	160	220	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	340	420	ug/Kg
85-01-8	Phenanthrene	120	U	120	160	220	ug/Kg
120-12-7	Anthracene	130	U	130	160	220	ug/Kg
86-74-8	Carbazole	110	U	110	160	220	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	220	ug/Kg
206-44-0	Fluoranthene	120	U	120	160	220	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-03	SDG No.:	BM080723
Lab Sample ID:	O3903-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.3
Sample Wt/Vol:	30.1	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
BM041310.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	240	U	240	340	420	ug/Kg
129-00-0	Pyrene	110	U	110	160	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	160	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	160	220	ug/Kg
218-01-9	Chrysene	110	U	110	160	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	160	220	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	160	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	160	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	160	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	160	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.217		18-112		57	SPK: -150
13127-88-3	Phenol-d6	87.669		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	52.06		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	45.286		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.344		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	50.022		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114764	7.787				
1146-65-2	Naphthalene-d8	486545	10.598				
15067-26-2	Acenaphthene-d10	334619	14.457				
1517-22-2	Phenanthrene-d10	820959	17.215				
1719-03-5	Chrysene-d12	761951	21.421				
1520-96-3	Perylene-d12	745636	23.792				



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

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-03	SDG No.:	BM080723
Lab Sample ID:	O3903-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.3
Sample Wt/Vol:	30.1	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
BM041310.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	88.2	A			4.899	
013798-23-7	Hexathiane	300	J			15.133	
000119-61-9	Benzophenone	130	J			15.827	
000057-10-3	n-Hexadecanoic acid	770	J			18.115	
000057-11-4	Octadecanoic acid	330	J			19.398	
074685-30-6	5-Eicosene, (E)-	180	J			21.127	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08W	SDG No.:	BM080723
Lab Sample ID:	O3903-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	960	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
BM041311.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.3	10.4	ug/L
110-86-1	Pyridine	1.9	U	1.9	4.2	5.2	ug/L
100-52-7	Benzaldehyde	3.4	U	3.4	8.3	10.4	ug/L
62-53-3	Aniline	2.5	U	2.5	4.2	5.2	ug/L
108-95-2	Phenol	1.5	U	1.5	4.2	5.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.2	5.2	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.2	5.2	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.2	5.2	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.2	5.2	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.2	5.2	ug/L
100-51-6	Benzyl Alcohol	2.5	U	2.5	8.3	10.4	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.2	5.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.4	U	2.4	4.2	5.2	ug/L
98-86-2	Acetophenone	1.9	U	1.9	4.2	5.2	ug/L
65794-96-9	3+4-Methylphenols	2.3	U	2.3	8.3	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.1	U	2.1	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.2	5.2	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.2	5.2	ug/L
78-59-1	Isophorone	1.8	U	1.8	4.2	5.2	ug/L
88-75-5	2-Nitrophenol	2.5	U	2.5	4.2	5.2	ug/L
105-67-9	2,4-Dimethylphenol	3.1	U	3.1	4.2	5.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.2	5.2	ug/L
120-83-2	2,4-Dichlorophenol	1.8	U	1.8	4.2	5.2	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.8	U	1.8	4.2	5.2	ug/L
65-85-0	Benzoic acid	8.8	J	6.9	8.3	10.4	ug/L
91-20-3	Naphthalene	1.8	U	1.8	4.2	5.2	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.2	5.2	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.2	5.2	ug/L
105-60-2	Caprolactam	3.6	U	3.6	8.3	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.2	5.2	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4.2	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08W	SDG No.:	BM080723
Lab Sample ID:	O3903-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	960	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
BM041311.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	6	U	6	8.3	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.2	5.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.2	5.2	ug/L
92-52-4	1,1-Biphenyl	1.9	U	1.9	4.2	5.2	ug/L
91-58-7	2-Chloronaphthalene	1.7	U	1.7	4.2	5.2	ug/L
88-74-4	2-Nitroaniline	2.5	U	2.5	4.2	5.2	ug/L
131-11-3	Dimethylphthalate	2	U	2	4.2	5.2	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.2	5.2	ug/L
606-20-2	2,6-Dinitrotoluene	2.2	U	2.2	4.2	5.2	ug/L
99-09-2	3-Nitroaniline	2.5	U	2.5	4.2	5.2	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.2	5.2	ug/L
Total PAH	Total PAH	32.2	U	32.2	4.2	83.2	ug/L
51-28-5	2,4-Dinitrophenol	5.7	U	5.7	8.3	10.4	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.3	10.4	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.2	5.2	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.2	5.2	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.8	U	4.8	4.2	10.4	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.2	5.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.2	5.2	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.2	5.2	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.2	5.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.9	U	1.9	8.3	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.2	5.2	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.2	5.2	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.2	5.2	ug/L
118-74-1	Hexachlorobenzene	2	U	2	4.2	5.2	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.2	5.2	ug/L
87-86-5	Pentachlorophenol	2.7	U	2.7	8.3	10.4	ug/L
85-01-8	Phenanthrene	2.1	U	2.1	4.2	5.2	ug/L
120-12-7	Anthracene	2.4	U	2.4	4.2	5.2	ug/L
86-74-8	Carbazole	1.8	U	1.8	4.2	5.2	ug/L
84-74-2	Di-n-butylphthalate	2.5	U	2.5	4.2	5.2	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.2	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08W	SDG No.:	BM080723
Lab Sample ID:	O3903-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	960	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
BM041311.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.9	U	6.9	8.3	10.4	ug/L
129-00-0	Pyrene	2	U	2	4.2	5.2	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.2	5.2	ug/L
91-94-1	3,3-Dichlorobenzidine	5.6	U	5.6	8.3	10.4	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.2	5.2	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.2	5.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.1	U	3.1	4.2	5.2	ug/L
117-84-0	Di-n-octyl phthalate	3.3	U	3.3	8.3	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	1.6	U	1.6	4.2	5.2	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.2	5.2	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.2	5.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.2	U	2.2	4.2	5.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.1	U	2.1	4.2	5.2	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.2	5.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.2	5.2	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.2	5.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	4.2	5.2	ug/L
90-12-0	1-Methylnaphthalene	2.2	U	2.2	4.2	5.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	66.588		10-139		44	SPK: -150
13127-88-3	Phenol-d6	41.106		10-134		27	SPK: -150
4165-60-0	Nitrobenzene-d5	90.112		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	85.26		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	154.444		32-145		103	SPK: -150
1718-51-0	Terphenyl-d14	102.264		36-145		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129520	7.787				
1146-65-2	Naphthalene-d8	549666	10.592				
15067-26-2	Acenaphthene-d10	373725	14.457				
1517-22-2	Phenanthrene-d10	885022	17.215				
1719-03-5	Chrysene-d12	775169	21.421				
1520-96-3	Perylene-d12	773680	23.792				



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

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08W	SDG No.:	BM080723
Lab Sample ID:	O3903-18	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	960	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
BM041311.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	2.6	J			15.827	
017312-63-9	Nonane, 5-butyl-	3.8	J			16.163	
000629-92-5	Nonadecane	2.5	J			16.957	
000629-94-7	Heneicosane	2.4	J			17.698	
000057-10-3	n-Hexadecanoic acid	14	J			18.115	
000057-11-4	Octadecanoic acid	7.1	J			19.398	
015594-90-8	1-Heneicosanol	4.4	J			21.127	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-03W	SDG No.:	BM080723
Lab Sample ID:	O3903-13	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041312.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.1	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8.2	10.2	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.1	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8.2	10.2	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.1	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.1	ug/L
78-59-1	Isophorone	1.7	U	1.7	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4.1	5.1	ug/L
65-85-0	Benzoic acid	8	J	6.8	8.2	10.2	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.1	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-03W	SDG No.:	BM080723
Lab Sample ID:	O3903-13	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041312.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.1	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.1	ug/L
Total PAH	Total PAH	31.5	U	31.5	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.2	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.7	U	4.7	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.1	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.1	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4.1	5.1	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.1	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.2	ug/L
85-01-8	Phenanthrene	2	U	2	4.1	5.1	ug/L
120-12-7	Anthracene	2.3	U	2.3	4.1	5.1	ug/L
86-74-8	Carbazole	1.7	U	1.7	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4.1	5.1	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-03W	SDG No.:	BM080723
Lab Sample ID:	O3903-13	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041312.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.7	U	6.7	8.2	10.2	ug/L
129-00-0	Pyrene	1.9	U	1.9	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.1	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4.1	5.1	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	65.183		10-139		43	SPK: -150
13127-88-3	Phenol-d6	41.49		10-134		28	SPK: -150
4165-60-0	Nitrobenzene-d5	87.593		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	85.123		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	159.608		32-145		106	SPK: -150
1718-51-0	Terphenyl-d14	107.12		36-145		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135599	7.786				
1146-65-2	Naphthalene-d8	591345	10.592				
15067-26-2	Acenaphthene-d10	397939	14.457				
1517-22-2	Phenanthrene-d10	885291	17.215				
1719-03-5	Chrysene-d12	687879	21.421				
1520-96-3	Perylene-d12	641898	23.791				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-03W	SDG No.:	BM080723
Lab Sample ID:	O3903-13	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041312.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	110	J			10.392	
015687-27-1	Ibuprofen	16.7	J			15.515	
054947-39-6	Cyclopropanecarboxylic acid,butyl	3.6	J			16.727	
000057-10-3	n-Hexadecanoic acid	16.7	J			18.121	
	unknown18.921	310	J			18.921	
000057-11-4	Octadecanoic acid	10	J			19.403	
001454-84-8	n-Nonadecanol-1	4.7	J			21.127	
000141-17-3	Hexanedioic acid, bis[2-(2-butoxye	180	J			22.603	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09	SDG No.:	BM080723
Lab Sample ID:	O3903-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.09	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
BM041313.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84	U	84	290	360	ug/Kg
110-86-1	Pyridine	78.6	U	78.6	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	360	ug/Kg
62-53-3	Aniline	130	U	130	140	180	ug/Kg
108-95-2	Phenol	80.8	U	80.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.5	U	97.5	140	180	ug/Kg
95-57-8	2-Chlorophenol	78.2	U	78.2	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.7	U	88.7	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.1	U	96.1	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	89.5	U	89.5	140	180	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	360	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	94.2	U	94.2	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.1	U	64.1	86.9	86.9	ug/Kg
67-72-1	Hexachloroethane	79.9	U	79.9	140	180	ug/Kg
98-95-3	Nitrobenzene	81.7	U	81.7	140	180	ug/Kg
78-59-1	Isophorone	74	U	74	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	J	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	84.8	U	84.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	84.2	U	84.2	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	360	ug/Kg
91-20-3	Naphthalene	6100	E	88.4	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	91.2	U	91.2	140	180	ug/Kg
105-60-2	Caprolactam	130	U	130	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.6	U	89.6	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	4100	E	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09	SDG No.:	BM080723
Lab Sample ID:	O3903-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.09	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
BM041313.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.7	U	83.7	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.5	U	95.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	150	J	99.2	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	91.9	U	91.9	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	96.6	U	96.6	140	180	ug/Kg
208-96-8	Acenaphthylene	96	U	96	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.7	U	97.7	140	180	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	180	ug/Kg
83-32-9	Acenaphthene	87.2	U	87.2	140	180	ug/Kg
Total PAH	Total PAH	6100	U	1552.9	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	290	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	83.5	U	83.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	207.7	U	207.7	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	93.3	U	93.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.2	U	98.2	140	180	ug/Kg
86-73-7	Fluorene	92.1	U	92.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.4	U	95.4	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	180	ug/Kg
103-33-3	Azobenzene	79.8	U	79.8	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	360	ug/Kg
85-01-8	Phenanthrene	100	U	100	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	92.2	U	92.2	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09	SDG No.:	BM080723
Lab Sample ID:	O3903-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.09	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
BM041313.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	290	360	ug/Kg
129-00-0	Pyrene	90.9	U	90.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	91.1	U	91.1	140	180	ug/Kg
218-01-9	Chrysene	94.3	U	94.3	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.2	U	87.2	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	95.7	U	95.7	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.1	U	97.1	140	180	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90	U	90	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	2000		98	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.666		18-112		57	SPK: -150
13127-88-3	Phenol-d6	80.788		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	50.795		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	45.055		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	91.139		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	55.533		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123845	7.792				
1146-65-2	Naphthalene-d8	507548	10.598				
15067-26-2	Acenaphthene-d10	346102	14.457				
1517-22-2	Phenanthrene-d10	817172	17.215				
1719-03-5	Chrysene-d12	758873	21.421				
1520-96-3	Perylene-d12	755427	23.791				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09	SDG No.:	BM080723
Lab Sample ID:	O3903-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.09	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
BM041313.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000565-75-3	Pentane, 2,3,4-trimethyl-	2400	J			3.704	
049622-18-6	Decane, 3,3,4-trimethyl-	3300	J			3.799	
003522-94-9	Hexane, 2,2,5-trimethyl-	2500	J			4.051	
000108-38-3	Benzene, 1,3-dimethyl-	20600	J			5.416	
000098-82-8	Benzene, (1-methylethyl)-	3000	J			6.263	
000103-65-1	Benzene, propyl-	13100	J			6.757	
000611-14-3	Benzene, 1-ethyl-2-methyl-	28100	J			6.875	
000622-96-8	Benzene, 1-ethyl-4-methyl-	11300	J			7.169	
000526-73-8	Benzene, 1,2,3-trimethyl-	55100	J			7.451	
000108-67-8	Mesitylene	16300	J			7.904	
000496-11-7	Indane	7900	J			8.157	
000141-93-5	Benzene, 1,3-diethyl-	6400	J			8.275	
001074-43-7	Benzene, 1-methyl-3-propyl-	10900	J			8.334	
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	21900	J			8.428	
001074-55-1	Benzene, 1-methyl-4-propyl-	3500	J			8.586	
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	7600	J			8.739	
000527-84-4	o-Cymene	7200	J			8.792	
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	15600	J			8.892	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-06W	SDG No.:	BM080723
Lab Sample ID:	O3903-16	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041314.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	7.4	J	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-06W	SDG No.:	BM080723
Lab Sample ID:	O3903-16	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041314.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

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

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-06W	SDG No.:	BM080723
Lab Sample ID:	O3903-16	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041314.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	47.318		10-139		32	SPK: -150
13127-88-3	Phenol-d6	27.844		10-134		19	SPK: -150
4165-60-0	Nitrobenzene-d5	77.867		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	75.278		52-132		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	132.67		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	93.302		36-145		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162037	7.787				
1146-65-2	Naphthalene-d8	675888	10.592				
15067-26-2	Acenaphthene-d10	446063	14.457				
1517-22-2	Phenanthrene-d10	979460	17.215				
1719-03-5	Chrysene-d12	785039	21.421				
1520-96-3	Perylene-d12	772181	23.791				



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

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-06W	SDG No.:	BM080723
Lab Sample ID:	O3903-16	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041314.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	2.4	J			10.387	
000119-61-9	Benzophenone	2.7	J			15.827	
000057-10-3	n-Hexadecanoic acid	13.7	J			18.115	
000057-11-4	Octadecanoic acid	11.1	J			19.398	
006765-39-5	1-Heptadecene	3.9	J			21.121	
000141-17-3	Hexanedioic acid, bis[2-(2-butoxye	2.3	J			22.592	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-07W	SDG No.:	BM080723
Lab Sample ID:	O3903-17	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041315.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

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

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-07W	SDG No.:	BM080723
Lab Sample ID:	O3903-17	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041315.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

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

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-07W	SDG No.:	BM080723
Lab Sample ID:	O3903-17	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041315.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	49.617		10-139		33	SPK: -150
13127-88-3	Phenol-d6	30.268		10-134		20	SPK: -150
4165-60-0	Nitrobenzene-d5	81.677		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	78.553		52-132		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	145.816		32-145		97	SPK: -150
1718-51-0	Terphenyl-d14	93.263		36-145		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144768	7.786				
1146-65-2	Naphthalene-d8	609870	10.592				
15067-26-2	Acenaphthene-d10	414992	14.457				
1517-22-2	Phenanthrene-d10	957171	17.215				
1719-03-5	Chrysene-d12	832190	21.421				
1520-96-3	Perylene-d12	787788	23.791				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-07W	SDG No.:	BM080723
Lab Sample ID:	O3903-17	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041315.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000108-38-3	Benzene, 1,3-dimethyl-	120	J			5.416	
000098-82-8	Benzene, (1-methylethyl)-	5.4	J			6.257	
000103-65-1	Benzene, propyl-	13.6	J			6.751	
000611-14-3	Benzene, 1-ethyl-2-methyl-	48.3	J			6.863	
000622-96-8	Benzene, 1-ethyl-4-methyl-	19.8	J			7.163	
000108-67-8	Mesitylene	53.9	J			7.428	
000526-73-8	Benzene, 1,2,3-trimethyl-	12	J			7.892	
000496-11-7	Indane	4.8	J			8.151	
001074-17-5	Benzene, 1-methyl-2-propyl-	5.8	J			8.328	
000135-01-3	Benzene, 1,2-diethyl-	11.8	J			8.422	
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	3.9	J			8.733	
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	6.5	J			8.886	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	8.7	J			10.38	
000057-10-3	n-Hexadecanoic acid	5.4	J			18.115	
	unknown	18.868	J			18.868	
000057-11-4	Octadecanoic acid	3.8	J			19.398	
000141-17-3	Hexanedioic acid, bis[2-(2-butoxye	53.2	J			22.597	

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-10	SDG No.:	BM080723
Lab Sample ID:	O3903-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041316.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.9	U	91.9	320	390	ug/Kg
110-86-1	Pyridine	86	U	86	150	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	88.4	U	88.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	85.6	U	85.6	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.1	U	97.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	97.9	U	97.9	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	140	U	140	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.1	U	70.1	95.1	95.1	ug/Kg
67-72-1	Hexachloroethane	87.5	U	87.5	150	200	ug/Kg
98-95-3	Nitrobenzene	89.4	U	89.4	150	200	ug/Kg
78-59-1	Isophorone	80.9	U	80.9	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	92.8	U	92.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.1	U	92.1	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	96.7	U	96.7	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	99.8	U	99.8	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98	U	98	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-10	SDG No.:	BM080723
Lab Sample ID:	O3903-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041316.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.6	U	91.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	150	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	95.4	U	95.4	150	200	ug/Kg
Total PAH	Total PAH	1696.7	U	1696.7	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	91.4	U	91.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	87.3	U	87.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	100	U	100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-10	SDG No.:	BM080723
Lab Sample ID:	O3903-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041316.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	99.5	U	99.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	99.7	U	99.7	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	95.4	U	95.4	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.5	U	98.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.51		18-112		71	SPK: -150
13127-88-3	Phenol-d6	107.313		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	66.027		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	59.152		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	121.194		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	70.047		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113680	7.787				
1146-65-2	Naphthalene-d8	473235	10.592				
15067-26-2	Acenaphthene-d10	322472	14.457				
1517-22-2	Phenanthrene-d10	765189	17.215				
1719-03-5	Chrysene-d12	696815	21.421				
1520-96-3	Perylene-d12	675163	23.791				

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	MW-10	SDG No.:	BM080723
Lab Sample ID:	O3903-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041316.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	96.2	A			4.904	
000506-51-4	n-Tetracosanol-1	140	J			6.028	
062108-26-3	Decane, 2,6,8-trimethyl-	100	J			6.24	
002051-30-1	Octane, 2,6-dimethyl-	91.5	J			6.316	
062016-28-8	Octane, 2,2,6-trimethyl-	290	J			6.751	
061868-42-6	Heptane, 2,2,3,5-tetramethyl-	86	J			7.093	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	140	J			7.41	
	unknown7.592	110	J			7.592	
000629-94-7	Heneicosane	200	J			7.987	
062199-06-8	Heptane, 5-ethyl-2,2,3-trimethyl-	420	J			8.298	
001071-81-4	Hexane, 2,2,5,5-tetramethyl-	250	J			8.434	
1000309-14-1	Sulfurous acid, hexyl pentyl ester	93.9	J			8.639	
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	130	J			8.881	
	unknown9.122	86	J			9.122	
	unknown9.651	85.2	J			9.651	
002547-27-5	trans-4a-Methyl-decahydronaphthale	92.7	J			9.751	
017301-23-4	Undecane, 2,6-dimethyl-	90.7	J			10.733	
000057-10-3	n-Hexadecanoic acid	310	J			18.115	
000057-11-4	Octadecanoic acid	110	J			19.398	
1000406-04-8	Pentadecafluorooctanoic acid, octa	130	J			21.121	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09W	SDG No.:	BM080723
Lab Sample ID:	O3903-19	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041317.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.1	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8.2	10.2	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.1	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8.2	10.2	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.1	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.1	ug/L
78-59-1	Isophorone	1.7	U	1.7	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4.1	5.1	ug/L
65-85-0	Benzoic acid	6.8	U	6.8	8.2	10.2	ug/L
91-20-3	Naphthalene	700	E	1.7	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.1	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	350	E	2.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09W	SDG No.:	BM080723
Lab Sample ID:	O3903-19	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041317.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	13.6		1.8	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.1	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.1	ug/L
Total PAH	Total PAH	709.3	U	31.5	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.2	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.7	U	4.7	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.1	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.1	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4.1	5.1	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.1	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.2	ug/L
85-01-8	Phenanthrene	3.6	J	2	4.1	5.1	ug/L
120-12-7	Anthracene	2.3	U	2.3	4.1	5.1	ug/L
86-74-8	Carbazole	1.7	U	1.7	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4.1	5.1	ug/L
206-44-0	Fluoranthene	3	J	2.1	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09W	SDG No.:	BM080723
Lab Sample ID:	O3903-19	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041317.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.7	U	6.7	8.2	10.2	ug/L
129-00-0	Pyrene	2.7	J	1.9	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.1	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.1	J	3	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4.1	5.1	ug/L
90-12-0	1-Methylnaphthalene	180	E	2.1	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	31.845		10-139		21	SPK: -150
13127-88-3	Phenol-d6	22.197		10-134		15	SPK: -150
4165-60-0	Nitrobenzene-d5	49.604		49-133		50	SPK: -100
321-60-8	2-Fluorobiphenyl	49.943	*	52-132		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.72		32-145		44	SPK: -150
1718-51-0	Terphenyl-d14	60.241		36-145		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162593	7.81				
1146-65-2	Naphthalene-d8	680502	10.61				
15067-26-2	Acenaphthene-d10	458062	14.457				
1517-22-2	Phenanthrene-d10	994947	17.216				
1719-03-5	Chrysene-d12	846272	21.421				
1520-96-3	Perylene-d12	807594	23.792				



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

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-09W	SDG No.:	BM080723
Lab Sample ID:	O3903-19	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BM041317.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154641

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

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BM080723
Lab Sample ID:	O3895-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041318.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.1	U	49.1	170	210	ug/Kg
110-86-1	Pyridine	46	U	46	82.6	110	ug/Kg
100-52-7	Benzaldehyde	94	U	94	170	210	ug/Kg
62-53-3	Aniline	74.3	U	74.3	82.6	110	ug/Kg
108-95-2	Phenol	47.3	U	47.3	82.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.1	U	57.1	82.6	110	ug/Kg
95-57-8	2-Chlorophenol	45.7	U	45.7	82.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	51.9	U	51.9	82.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.2	U	56.2	82.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.4	U	52.4	82.6	110	ug/Kg
100-51-6	Benzyl Alcohol	62.8	U	62.8	170	210	ug/Kg
95-48-7	2-Methylphenol	72.4	U	72.4	82.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.7	U	66.7	82.6	110	ug/Kg
98-86-2	Acetophenone	55.1	U	55.1	82.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	68.6	U	68.6	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.5	U	37.5	50.8	50.8	ug/Kg
67-72-1	Hexachloroethane	46.8	U	46.8	82.6	110	ug/Kg
98-95-3	Nitrobenzene	47.8	U	47.8	82.6	110	ug/Kg
78-59-1	Isophorone	43.3	U	43.3	82.6	110	ug/Kg
88-75-5	2-Nitrophenol	60.4	U	60.4	82.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63.3	U	63.3	82.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.2	U	71.2	82.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.6	U	49.6	82.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.2	U	49.2	82.6	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	51.7	U	51.7	82.6	110	ug/Kg
106-47-8	4-Chloroaniline	66.7	U	66.7	82.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.4	U	53.4	82.6	110	ug/Kg
105-60-2	Caprolactam	74.3	U	74.3	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.4	U	52.4	82.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	60.3	U	60.3	82.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BM080723
Lab Sample ID:	O3895-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041318.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49	U	49	82.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	55.8	U	55.8	82.6	110	ug/Kg
92-52-4	1,1-Biphenyl	58	U	58	82.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.7	U	53.7	82.6	110	ug/Kg
88-74-4	2-Nitroaniline	63.1	U	63.1	82.6	110	ug/Kg
131-11-3	Dimethylphthalate	56.5	U	56.5	82.6	110	ug/Kg
208-96-8	Acenaphthylene	56.2	U	56.2	82.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.2	U	57.2	82.6	110	ug/Kg
99-09-2	3-Nitroaniline	59.3	U	59.3	82.6	110	ug/Kg
83-32-9	Acenaphthene	51	U	51	82.6	110	ug/Kg
Total PAH	Total PAH	913.1	U	913.1	82.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.4	U	72.4	170	210	ug/Kg
132-64-9	Dibenzofuran	48.9	U	48.9	82.6	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.5	U	63.5	82.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	20.7	U	120.7	82.6	220	ug/Kg
84-66-2	Diethylphthalate	54.6	U	54.6	82.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.4	U	57.4	82.6	110	ug/Kg
86-73-7	Fluorene	53.9	U	53.9	82.6	110	ug/Kg
100-01-6	4-Nitroaniline	66.1	U	66.1	82.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	55.8	U	55.8	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.3	U	59.3	82.6	110	ug/Kg
103-33-3	Azobenzene	46.7	U	46.7	82.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.9	U	61.9	82.6	110	ug/Kg
118-74-1	Hexachlorobenzene	62.8	U	62.8	82.6	110	ug/Kg
1912-24-9	Atrazine	60.6	U	60.6	82.6	110	ug/Kg
87-86-5	Pentachlorophenol	70.5	U	70.5	170	210	ug/Kg
85-01-8	Phenanthrene	58.9	U	58.9	82.6	110	ug/Kg
120-12-7	Anthracene	64.8	U	64.8	82.6	110	ug/Kg
86-74-8	Carbazole	53.9	U	53.9	82.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	66.1	U	66.1	82.6	110	ug/Kg
206-44-0	Fluoranthene	60	U	60	82.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BM080723
Lab Sample ID:	O3895-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041318.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	53.2	U	53.2	82.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.4	U	65.4	82.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.3	U	53.3	82.6	110	ug/Kg
218-01-9	Chrysene	55.1	U	55.1	82.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.1	U	73.1	82.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	78.1	U	78.1	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51	U	51	82.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56	U	56	82.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	59.9	U	59.9	82.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68	U	68	82.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.3	U	61.3	82.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.8	U	58.8	82.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.8	U	56.8	82.6	110	ug/Kg
123-91-1	1,4-Dioxane	74.3	U	74.3	82.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.7	U	52.7	82.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.3	U	57.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.785		18-112		78	SPK: -150
13127-88-3	Phenol-d6	121.217		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	73.931		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	70.023		20-109		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.633		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	83.199		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	138080	7.787				
1146-65-2	Naphthalene-d8	582576	10.592				
15067-26-2	Acenaphthene-d10	390991	14.457				
1517-22-2	Phenanthrene-d10	935984	17.215				
1719-03-5	Chrysene-d12	937782	21.421				
1520-96-3	Perylene-d12	961338	23.792				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BM080723
Lab Sample ID:	O3895-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041318.D	1	8/4/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	190	J			18.115	
000057-11-4	Octadecanoic acid	79.8	J			19.398	
000506-51-4	n-Tetracosanol-1	84.7	J			21.121	

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-2-(0-5)DL2	SDG No.:	BM080723
Lab Sample ID:	O3815-02DL2	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041319.D	250	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	22500	U	22500	78700	96200	ug/Kg
110-86-1	Pyridine	21100	U	21100	37900	49600	ug/Kg
100-52-7	Benzaldehyde	43200	U	43200	78700	96200	ug/Kg
62-53-3	Aniline	34100	U	34100	37900	49600	ug/Kg
108-95-2	Phenol	21700	U	21700	37900	49600	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26200	U	26200	37900	49600	ug/Kg
95-57-8	2-Chlorophenol	21000	U	21000	37900	49600	ug/Kg
95-50-1	1,2-Dichlorobenzene	23800	U	23800	37900	49600	ug/Kg
541-73-1	1,3-Dichlorobenzene	25800	U	25800	37900	49600	ug/Kg
106-46-7	1,4-Dichlorobenzene	24000	U	24000	37900	49600	ug/Kg
100-51-6	Benzyl Alcohol	28800	U	28800	78700	96200	ug/Kg
95-48-7	2-Methylphenol	33200	U	33200	37900	49600	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30600	U	30600	37900	49600	ug/Kg
98-86-2	Acetophenone	25300	U	25300	37900	49600	ug/Kg
65794-96-9	3+4-Methylphenols	31500	U	31500	78700	96200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	17200	U	17200	23300	23300	ug/Kg
67-72-1	Hexachloroethane	21500	U	21500	37900	49600	ug/Kg
98-95-3	Nitrobenzene	21900	U	21900	37900	49600	ug/Kg
78-59-1	Isophorone	19900	U	19900	37900	49600	ug/Kg
88-75-5	2-Nitrophenol	27700	U	27700	37900	49600	ug/Kg
105-67-9	2,4-Dimethylphenol	29000	U	29000	37900	49600	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32700	U	32700	37900	49600	ug/Kg
120-83-2	2,4-Dichlorophenol	22800	U	22800	37900	49600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	22600	U	22600	37900	49600	ug/Kg
65-85-0	Benzoic acid	62400	U	62400	78700	96200	ug/Kg
91-20-3	Naphthalene	240800	D	23700	37900	49600	ug/Kg
106-47-8	4-Chloroaniline	30600	U	30600	37900	49600	ug/Kg
87-68-3	Hexachlorobutadiene	24500	U	24500	37900	49600	ug/Kg
105-60-2	Caprolactam	34100	U	34100	78700	96200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	24100	U	24100	37900	49600	ug/Kg
91-57-6	2-Methylnaphthalene	136700	D	27700	37900	49600	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-2-(0-5)DL2	SDG No.:	BM080723
Lab Sample ID:	O3815-02DL2	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041319.D	250	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	61200	U	61200	78700	96200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22500	U	22500	37900	49600	ug/Kg
95-95-4	2,4,5-Trichlorophenol	25600	U	25600	37900	49600	ug/Kg
92-52-4	1,1-Biphenyl	26600	U	26600	37900	49600	ug/Kg
91-58-7	2-Chloronaphthalene	24700	U	24700	37900	49600	ug/Kg
88-74-4	2-Nitroaniline	29000	U	29000	37900	49600	ug/Kg
131-11-3	Dimethylphthalate	25900	U	25900	37900	49600	ug/Kg
208-96-8	Acenaphthylene	43700	JD	25800	37900	49600	ug/Kg
606-20-2	2,6-Dinitrotoluene	26200	U	26200	37900	49600	ug/Kg
99-09-2	3-Nitroaniline	27200	U	27200	37900	49600	ug/Kg
83-32-9	Acenaphthene	23400	U	23400	37900	49600	ug/Kg
Total PAH	Total PAH	897500	D	418900	37900	793600	ug/Kg
51-28-5	2,4-Dinitrophenol	52500	U	52500	78700	96200	ug/Kg
100-02-7	4-Nitrophenol	33200	U	33200	78700	96200	ug/Kg
132-64-9	Dibenzofuran	22400	U	22400	37900	49600	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	55300	U	55300	37900	99200	ug/Kg
121-14-2	2,4-Dinitrotoluene	29100	U	29100	37900	49600	ug/Kg
84-66-2	Diethylphthalate	25100	U	25100	37900	49600	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26400	U	26400	37900	49600	ug/Kg
86-73-7	Fluorene	55900	D	24700	37900	49600	ug/Kg
100-01-6	4-Nitroaniline	30300	U	30300	37900	49600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	25600	U	25600	78700	96200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	27200	U	27200	37900	49600	ug/Kg
103-33-3	Azobenzene	21400	U	21400	37900	49600	ug/Kg
101-55-3	4-Bromophenyl-phenylether	28400	U	28400	37900	49600	ug/Kg
118-74-1	Hexachlorobenzene	28800	U	28800	37900	49600	ug/Kg
1912-24-9	Atrazine	27800	U	27800	37900	49600	ug/Kg
87-86-5	Pentachlorophenol	32400	U	32400	78700	96200	ug/Kg
85-01-8	Phenanthrene	190000	D	27000	37900	49600	ug/Kg
120-12-7	Anthracene	44900	JD	29700	37900	49600	ug/Kg
86-74-8	Carbazole	24800	U	24800	37900	49600	ug/Kg
84-74-2	Di-n-butylphthalate	30300	U	30300	37900	49600	ug/Kg
206-44-0	Fluoranthene	62800	D	27500	37900	49600	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-2-(0-5)DL2	SDG No.:	BM080723
Lab Sample ID:	O3815-02DL2	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041319.D	250	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	56300	U	56300	78700	96200	ug/Kg
129-00-0	Pyrene	116400	D	24400	37900	49600	ug/Kg
85-68-7	Butylbenzylphthalate	30000	U	30000	37900	49600	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47000	U	47000	78700	96200	ug/Kg
56-55-3	Benzo(a)anthracene	41000	JD	24500	37900	49600	ug/Kg
218-01-9	Chrysene	38300	JD	25300	37900	49600	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	33500	U	33500	37900	49600	ug/Kg
117-84-0	Di-n-octyl phthalate	35900	U	35900	78700	96200	ug/Kg
205-99-2	Benzo(b)fluoranthene	29100	JD	23400	37900	49600	ug/Kg
207-08-9	Benzo(k)fluoranthene	25700	U	25700	37900	49600	ug/Kg
50-32-8	Benzo(a)pyrene	34600	JD	27500	37900	49600	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31200	U	31200	37900	49600	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28100	U	28100	37900	49600	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27000	U	27000	37900	49600	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	26100	U	26100	37900	49600	ug/Kg
123-91-1	1,4-Dioxane	34100	U	34100	37900	49600	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	24200	U	24200	37900	49600	ug/Kg
90-12-0	1-Methylnaphthalene	100000	D	26300	49600	49600	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	28.25		18-112		19	SPK: -150
13127-88-3	Phenol-d6	26.25		15-107		17	SPK: -150
4165-60-0	Nitrobenzene-d5	0	U	18-107		0	SPK: -100
321-60-8	2-Fluorobiphenyl	28		20-109		28	SPK: -100
118-79-6	2,4,6-Tribromophenol	31.75		10-110		21	SPK: -150
1718-51-0	Terphenyl-d14	61.5		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161782	7.792				
1146-65-2	Naphthalene-d8	714692	10.592				
15067-26-2	Acenaphthene-d10	497311	14.457				
1517-22-2	Phenanthrene-d10	1160099	17.215				
1719-03-5	Chrysene-d12	1021002	21.421				
1520-96-3	Perylene-d12	969647	23.791				

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-2-(0-5)DL2	SDG No.:	BM080723
Lab Sample ID:	O3815-02DL2	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041319.D	250	7/31/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000095-13-6	Indene	31900	J			8.322	
000582-16-1	Naphthalene, 2,7-dimethyl-	32000	J			13.627	
000581-40-8	Naphthalene, 2,3-dimethyl-	37500	J			13.768	
000571-58-4	Naphthalene, 1,4-dimethyl-	21600	J			13.827	
000132-65-0	Dibenzothiophene	42800	J			17.033	
031317-07-4	1-Methyldibenzothiophene	25900	J			17.797	
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	20600	J			17.945	
002531-84-2	Phenanthrene, 2-methyl-	57100	J			18.098	
000613-12-7	Anthracene, 2-methyl-	50400	J			18.145	
000203-64-5	4H-Cyclopenta[def]phenanthrene	74000	J			18.292	
004505-48-0	1H-Indene, 2-phenyl-	25700	J			18.327	
000612-94-2	Naphthalene, 2-phenyl-	28000	J			18.598	
003674-66-6	Phenanthrene, 2,5-dimethyl-	30600	J			19.015	
000243-17-4	11H-Benzo[b]fluorene	22500	J			20.145	

Hit Summary Sheet

SW-846

SDG No.: BM080723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	BUILDING-A-2-(0-5)DL2							
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	1-Methyldibenzothiophene	*	25,900.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	1H-Benzo[b]fluorene	*	22,500.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	1H-Indene, 2-phenyl-	*	25,700.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	4-Methylnaphtho[1,2-b]thiophene	*	20,600.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	4H-Cyclopenta[def]phenanthrene	*	74,000.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Anthracene, 2-methyl-	*	50,400.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Dibenzothiophene	*	42,800.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Indene	*	31,900.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Naphthalene, 1,4-dimethyl-	*	21,600.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Naphthalene, 2,3-dimethyl-	*	37,500.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Naphthalene, 2,7-dimethyl-	*	32,000.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Naphthalene, 2-phenyl-	*	28,000.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Phenanthrene, 2,5-dimethyl-	*	30,600.000	J		
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Phenanthrene, 2-methyl-	*	57,100.000	J		
Total Tics :				500,600.00				
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	1-Methylnaphthalene		100,000.000	D	26300	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	2-Methylnaphthalene		136,700.000	D	27700	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Acenaphthylene		43,700.000	JD	25800	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Anthracene		44,900.000	JD	29700	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Benzo(a)anthracene		41,000.000	JD	24500	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Benzo(a)pyrene		34,600.000	JD	27500	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Benzo(b)fluoranthene		29,100.000	JD	23400	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Chrysene		38,300.000	JD	25300	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Fluoranthene		62,800.000	D	27500	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Fluorene		55,900.000	D	24700	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Naphthalene		240,800.000	D	23700	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Phenanthrene		190,000.000	D	27000	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Pyrene		116,400.000	D	24400	ug/Kg
O3815-02DL2	BUILDING-A-2-(0-5)DL	Solid	Total PAH		897,500.000	D	418900	ug/Kg
Total Svoc :				2,031,700.00				
Total Concentration:				2,532,300.00				
Client ID :	MCLEAN-TP11							
O3895-01	MCLEAN-TP11	Solid	n-Hexadecanoic acid	*	190.000	J		
O3895-01	MCLEAN-TP11	Solid	n-Tetracosanol-1	*	84.700	J		
O3895-01	MCLEAN-TP11	Solid	Octadecanoic acid	*	79.800	J		
Total Tics :				354.50				
Total Concentration:				354.50				

Client ID : MW-02

Hit Summary Sheet SW-846

SDG No.: BM080723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3903-02	MW-02	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	150.000	J			
O3903-02	MW-02	Solid	9-Hexadecenoic acid	*	120.000	J		
O3903-02	MW-02	Solid	cis-13-Octadecenoic acid	*	96.500	J		
O3903-02	MW-02	Solid	Cyclohexadecane	*	160.000	J		
O3903-02	MW-02	Solid	Dodecanoic acid	*	90.300	J		
O3903-02	MW-02	Solid	n-Hexadecanoic acid	*	370.000	J		
O3903-02	MW-02	Solid	Octadecanoic acid	*	120.000	J		
O3903-02	MW-02	Solid	Pentadecanoic acid	*	920.000	J		
O3903-02	MW-02	Solid	Squalene	*	970.000	J		
O3903-02	MW-02	Solid	Supraene	*	640.000	J		
O3903-02	MW-02	Solid	Tetradecanoic acid	*	110.000	J		
O3903-02	MW-02	Solid	Tridecanoic acid	*	2,000.000	J		
			Total Tics :		5,746.80			
O3903-02	MW-02	Solid	Benzoic acid	290.000	J	250	390	ug/Kg
			Total Svoc :		290.00			
			Total Concentration:		6,036.80			
Client ID : MW-03								
O3903-03	MW-03	Solid	2-Pentanone, 4-hydroxy-4-methyl *	88.200	A			
O3903-03	MW-03	Solid	5-Eicosene, (E)-	*	180.000	J		
O3903-03	MW-03	Solid	Benzophenone	*	130.000	J		
O3903-03	MW-03	Solid	Hexathiane	*	300.000	J		
O3903-03	MW-03	Solid	n-Hexadecanoic acid	*	770.000	J		
O3903-03	MW-03	Solid	Octadecanoic acid	*	330.000	J		
			Total Tics :		1,798.20			
			Total Concentration:		1,798.20			
Client ID : MW-09								
O3903-09	MW-09	Solid	Benzene, (1-methylethyl)-	*	3,000.000	J		
O3903-09	MW-09	Solid	Benzene, 1,2,3-trimethyl-	*	55,100.000	J		
O3903-09	MW-09	Solid	Benzene, 1,3-diethyl-	*	6,400.000	J		
O3903-09	MW-09	Solid	Benzene, 1,3-dimethyl-	*	20,600.000	J		
O3903-09	MW-09	Solid	Benzene, 1-ethyl-2,3-dimethyl-	*	15,600.000	J		
O3903-09	MW-09	Solid	Benzene, 1-ethyl-2-methyl-	*	28,100.000	J		
O3903-09	MW-09	Solid	Benzene, 1-ethyl-3,5-dimethyl-	*	21,900.000	J		
O3903-09	MW-09	Solid	Benzene, 1-ethyl-4-methyl-	*	11,300.000	J		
O3903-09	MW-09	Solid	Benzene, 1-methyl-3-propyl-	*	10,900.000	J		
O3903-09	MW-09	Solid	Benzene, 1-methyl-4-propyl-	*	3,500.000	J		
O3903-09	MW-09	Solid	Benzene, 2-ethyl-1,4-dimethyl-	*	7,600.000	J		
O3903-09	MW-09	Solid	Benzene, propyl-	*	13,100.000	J		
O3903-09	MW-09	Solid	Decane, 3,3,4-trimethyl-	*	3,300.000	J		
O3903-09	MW-09	Solid	Hexane, 2,2,5-trimethyl-	*	2,500.000	J		
O3903-09	MW-09	Solid	Indane	*	7,900.000	J		

Hit Summary Sheet SW-846

SDG No.: BM080723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3903-09	MW-09	Solid	Mesitylene	*	16,300.000	J		
O3903-09	MW-09	Solid	o-Cymene	*	7,200.000	J		
O3903-09	MW-09	Solid	Pentane, 2,3,4-trimethyl-	*	2,400.000	J		
Total Tics :				236,700.00				
O3903-09	MW-09	Solid	1,1-Biphenyl		150.000	J	99.2	180 ug/Kg
O3903-09	MW-09	Solid	1-Methylnaphthalene		2,000.000		98	180 ug/Kg
O3903-09	MW-09	Solid	2,4-Dimethylphenol		110.000	J	110	180 ug/Kg
O3903-09	MW-09	Solid	2-Methylnaphthalene		4,100.000	E	100	180 ug/Kg
O3903-09	MW-09	Solid	Naphthalene		6,100.000	E	88.4	180 ug/Kg
Total Svoc :				12,460.00				
Total Concentration:				249,160.00				

Client ID : MW-10

O3903-10	MW-10	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	96.200	A		
O3903-10	MW-10	Solid	Benzene, 4-ethyl-1,2-dimethyl-	*	130.000	J		
O3903-10	MW-10	Solid	Decane, 2,6,8-trimethyl-	*	100.000	J		
O3903-10	MW-10	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	140.000	J		
O3903-10	MW-10	Solid	Heneicosane	*	200.000	J		
O3903-10	MW-10	Solid	Heptane, 2,2,3,5-tetramethyl-	*	86.000	J		
O3903-10	MW-10	Solid	Heptane, 5-ethyl-2,2,3-trimethyl-	*	420.000	J		
O3903-10	MW-10	Solid	Hexane, 2,2,5,5-tetramethyl-	*	250.000	J		
O3903-10	MW-10	Solid	n-Hexadecanoic acid	*	310.000	J		
O3903-10	MW-10	Solid	n-Tetracosanol-1	*	140.000	J		
O3903-10	MW-10	Solid	Octadecanoic acid	*	110.000	J		
O3903-10	MW-10	Solid	Octane, 2,2,6-trimethyl-	*	290.000	J		
O3903-10	MW-10	Solid	Octane, 2,6-dimethyl-	*	91.500	J		
O3903-10	MW-10	Solid	Pentadecafluorooctanoic acid, oct	*	130.000	J		
O3903-10	MW-10	Solid	Sulfurous acid, hexyl pentyl ester	*	93.900	J		
O3903-10	MW-10	Solid	trans-4a-Methyl-decahydronaphth	*	92.700	J		
O3903-10	MW-10	Solid	Undecane, 2,6-dimethyl-	*	90.700	J		
O3903-10	MW-10	Solid	unknown7.592	*	110.000	J		
O3903-10	MW-10	Solid	unknown9.122	*	86.000	J		
O3903-10	MW-10	Solid	unknown9.651	*	85.200	J		
Total Tics :				3,052.20				
Total Concentration:				3,052.20				

Client ID : MW-03W

O3903-13	MW-03W	Water	Cyclopropanecarboxylic acid, buty	*	3.600	J		
O3903-13	MW-03W	Water	Ethanol, 2-(2-butoxyethoxy)-	*	110.000	J		
O3903-13	MW-03W	Water	Hexanedioic acid, bis[2-(2-butoxy	*	180.000	J		
O3903-13	MW-03W	Water	Ibuprofen	*	16.700	J		
O3903-13	MW-03W	Water	n-Hexadecanoic acid	*	16.700	J		
O3903-13	MW-03W	Water	n-Nonadecanol-1	*	4.700	J		

Hit Summary Sheet SW-846

SDG No.: BM080723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O3903-13	MW-03W	Water	Octadecanoic acid	*	10.000	J		
O3903-13	MW-03W	Water	unknown18.921	*	310.000	J		
			Total Tics :			651.70		
O3903-13	MW-03W	Water	Benzoic acid		8.000	J 6.8	10.2	ug/L
			Total Svoc :			8.00		
			Total Concentration:			659.70		
Client ID : MW-06W								
O3903-16	MW-06W	Water	1-Heptadecene	*	3.900	J		
O3903-16	MW-06W	Water	Benzophenone	*	2.700	J		
O3903-16	MW-06W	Water	Ethanol, 2-(2-butoxyethoxy)-	*	2.400	J		
O3903-16	MW-06W	Water	Hexanedioic acid, bis[2-(2-butoxy	*	2.300	J		
O3903-16	MW-06W	Water	n-Hexadecanoic acid	*	13.700	J		
O3903-16	MW-06W	Water	Octadecanoic acid	*	11.100	J		
			Total Tics :			36.10		
O3903-16	MW-06W	Water	Benzoic acid		7.400	J 6.7	10	ug/L
			Total Svoc :			7.40		
			Total Concentration:			43.50		
Client ID : MW-07W								
O3903-17	MW-07W	Water	Benzene, (1-methylethyl)-	*	5.400	J		
O3903-17	MW-07W	Water	Benzene, 1,2,3-trimethyl-	*	12.000	J		
O3903-17	MW-07W	Water	Benzene, 1,2-diethyl-	*	11.800	J		
O3903-17	MW-07W	Water	Benzene, 1,3-dimethyl-	*	120.000	J		
O3903-17	MW-07W	Water	Benzene, 1-ethyl-2,3-dimethyl-	*	6.500	J		
O3903-17	MW-07W	Water	Benzene, 1-ethyl-2-methyl-	*	48.300	J		
O3903-17	MW-07W	Water	Benzene, 1-ethyl-4-methyl-	*	19.800	J		
O3903-17	MW-07W	Water	Benzene, 1-methyl-2-propyl-	*	5.800	J		
O3903-17	MW-07W	Water	Benzene, 2-ethyl-1,4-dimethyl-	*	3.900	J		
O3903-17	MW-07W	Water	Benzene, propyl-	*	13.600	J		
O3903-17	MW-07W	Water	Ethanol, 2-(2-butoxyethoxy)-	*	8.700	J		
O3903-17	MW-07W	Water	Hexanedioic acid, bis[2-(2-butoxy	*	53.200	J		
O3903-17	MW-07W	Water	Indane	*	4.800	J		
O3903-17	MW-07W	Water	Mesitylene	*	53.900	J		
O3903-17	MW-07W	Water	n-Hexadecanoic acid	*	5.400	J		
O3903-17	MW-07W	Water	Octadecanoic acid	*	3.800	J		
O3903-17	MW-07W	Water	unknown18.868	*	21.800	J		
			Total Tics :			398.70		
			Total Concentration:			398.70		
Client ID : MW-08W								
O3903-18	MW-08W	Water	1-Heneicosanol	*	4.400	J		
O3903-18	MW-08W	Water	Benzophenone	*	2.600	J		
O3903-18	MW-08W	Water	Heneicosane	*	2.400	J		

Hit Summary Sheet SW-846

SDG No.: BM080723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O3903-18	MW-08W	Water	n-Hexadecanoic acid	*	14.000	J		
O3903-18	MW-08W	Water	Nonadecane	*	2.500	J		
O3903-18	MW-08W	Water	Nonane, 5-butyl-	*	3.800	J		
O3903-18	MW-08W	Water	Octadecanoic acid	*	7.100	J		
			Total Tics :			36.80		
O3903-18	MW-08W	Water	Benzoic acid		8.800	J 6.9	10.4	ug/L
			Total Svoc :			8.80		
			Total Concentration:			45.60		
Client ID : MW-09W								
O3903-19	MW-09W	Water	1,1-Biphenyl		13.600	1.8	5.1	ug/L
O3903-19	MW-09W	Water	1-Methylnaphthalene		180.000	E 2.1	5.1	ug/L
O3903-19	MW-09W	Water	2-Methylnaphthalene		350.000	E 2.3	5.1	ug/L
O3903-19	MW-09W	Water	Bis(2-ethylhexyl)phthalate		3.100	J 3	5.1	ug/L
O3903-19	MW-09W	Water	Fluoranthene		3.000	J 2.1	5.1	ug/L
O3903-19	MW-09W	Water	Naphthalene		700.000	E 1.7	5.1	ug/L
O3903-19	MW-09W	Water	Phenanthrene		3.600	J 2	5.1	ug/L
O3903-19	MW-09W	Water	Pyrene		2.700	J 1.9	5.1	ug/L
			Total Svoc :			1,256.00		
			Total Concentration:			1,256.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM072823

SAS No.: BM072823

SDG No.: BM072823

Instrument ID: _____

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

Calibration Time(s): 10:14 _____

LAB FILE ID:		RRF2.5 = BM041158.D			RRF005 = BM041159.D		RRF010 = BM041160.D	
		RRF020 = BM041161.D			RRF040 = BM041162.D		RRF050 = BM041163.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.696	0.712	0.741	0.705	0.665	0.696	4.0
Pyridine		1.372	1.497	1.610	1.565	1.488	1.505	5.1
2-Fluorophenol		1.294	1.392	1.395	1.361	1.305	1.338	3.6
Benzaldehyde			1.086	1.006	0.883	0.795	0.915	13.9
Aniline		1.995	2.050	2.173	2.060	1.966	2.030	3.8
Phenol-d6		1.706	1.763	1.842	1.752	1.678	1.735	3.6
Phenol		1.664	1.717	1.775	1.684	1.612	1.675	3.8
bis(2-Chloroethyl)ether		1.354	1.416	1.443	1.366	1.283	1.356	4.6
2-Chlorophenol		1.342	1.345	1.385	1.313	1.247	1.306	4.4
1,2-Dichlorobenzene		1.444	1.444	1.440	1.363	1.301	1.370	5.5
1,3-Dichlorobenzene		1.462	1.495	1.508	1.416	1.353	1.422	5.0
1,4-Dichlorobenzene		1.487	1.501	1.500	1.418	1.363	1.429	4.8
Benzyl Alcohol		1.115	1.002	1.114	1.109	1.087	1.095	4.2
2-Methylphenol		1.152	1.136	1.217	1.165	1.103	1.145	3.8
2,2-oxybis(1-Chloropropane)		1.909	1.876	1.941	1.807	1.699	1.807	6.1
Acetophenone		0.511	0.513	0.545	0.539	0.521	0.530	2.8
3+4-Methylphenols		1.453	1.524	1.643	1.562	1.489	1.530	4.4
n-Nitroso-di-n-propylamine	1.022	1.024	1.037	1.140	1.082	1.029	1.054	4.5
Nitrobenzene-d5		0.395	0.420	0.442	0.442	0.429	0.430	4.2
Hexachloroethane		0.538	0.531	0.560	0.544	0.514	0.532	3.5
Nitrobenzene		0.409	0.430	0.449	0.446	0.428	0.435	3.3
Isophorone		0.653	0.682	0.752	0.752	0.731	0.730	6.4
2-Nitrophenol		0.139	0.148	0.169	0.180	0.177	0.170	11.4
2,4-Dimethylphenol		0.271	0.290	0.309	0.309	0.298	0.299	4.8
bis(2-Chloroethoxy)methane		0.433	0.448	0.474	0.469	0.447	0.457	3.4
2,4-Dichlorophenol		0.262	0.285	0.312	0.313	0.303	0.302	7.0
1,2,4-Trichlorobenzene		0.324	0.328	0.338	0.336	0.328	0.333	2.1
Benzoic acid			0.118	0.167	0.205	0.213	0.198	24.3
Naphthalene		1.089	1.087	1.118	1.089	1.048	1.085	2.1
4-Chloroaniline		0.389	0.418	0.443	0.446	0.431	0.434	5.7
Hexachlorobutadiene		0.196	0.192	0.204	0.204	0.197	0.200	2.6
Caprolactam			0.071	0.082	0.089	0.088	0.087	11.3
4-Chloro-3-methylphenol		0.287	0.297	0.325	0.326	0.318	0.318	6.1
2-Methylnaphthalene		0.707	0.716	0.751	0.737	0.712	0.732	2.9
Hexachlorocyclopentadiene			0.266	0.320	0.361	0.357	0.344	13.1
2,4,6-Trichlorophenol		0.353	0.390	0.425	0.434	0.421	0.416	8.1

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.: BM072823

SAS No.: BM072823

SDG No.: BM072823

Instrument ID: _____

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

Calibration Time(s): 10:14 _____

LAB FILE ID:		RRF2.5 = BM041158.D		RRF005 = BM041159.D		RRF010 = BM041160.D		
		RRF020 = BM041161.D		RRF040 = BM041162.D		RRF050 = BM041163.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.537	1.543	1.618	1.622	1.552	1.583	2.4
2,4,5-Trichlorophenol		0.414	0.455	0.490	0.497	0.489	0.482	7.4
1,1-Biphenyl		1.568	1.603	1.667	1.648	1.585	1.621	2.3
2-Chloronaphthalene		1.172	1.200	1.240	1.230	1.182	1.211	2.2
2-Nitroaniline		0.296	0.330	0.387	0.415	0.406	0.386	13.8
Dimethylphthalate		1.429	1.464	1.532	1.524	1.477	1.504	3.5
Acenaphthylene		1.783	1.890	2.017	2.018	1.930	1.954	4.7
2,6-Dinitrotoluene		0.261	0.289	0.318	0.325	0.317	0.312	8.9
3-Nitroaniline		0.231	0.276	0.332	0.354	0.346	0.326	16.4
Acenaphthene		1.139	1.153	1.204	1.193	1.153	1.177	2.4
2,4-Dinitrophenol			0.118	0.163	0.187	0.189	0.180	19.8
4-Nitrophenol			0.191	0.246	0.269	0.266	0.260	14.6
Dibenzofuran		1.880	1.907	1.969	1.936	1.865	1.921	2.2
2,4-Dinitrotoluene		0.283	0.341	0.408	0.430	0.427	0.402	16.6
Diethylphthalate		1.349	1.387	1.463	1.480	1.444	1.455	5.1
4-Chlorophenyl-phenylether		0.694	0.721	0.766	0.775	0.753	0.759	5.5
Fluorene		1.449	1.458	1.548	1.533	1.487	1.515	3.4
4-Nitroaniline		0.166	0.215	0.273	0.313	0.322	0.284	24.8
4,6-Dinitro-2-methylphenol			0.089	0.114	0.127	0.126	0.121	14.7
n-Nitrosodiphenylamine		0.578	0.606	0.636	0.644	0.614	0.622	3.9
Azobenzene		1.364	1.505	1.650	1.666	1.610	1.594	7.6
2,4,6-Tribromophenol		0.241	0.258	0.285	0.292	0.286	0.283	9.0
4-Bromophenyl-phenylether		0.200	0.209	0.222	0.225	0.220	0.219	5.1
Hexachlorobenzene		0.234	0.238	0.246	0.247	0.239	0.244	2.8
Atrazine		0.151	0.164	0.171	0.169	0.164	0.163	4.1
Pentachlorophenol		0.132	0.150	0.168	0.180	0.176	0.169	12.5
Phenanthrene		1.081	1.102	1.122	1.126	1.083	1.111	2.1
Anthracene		0.981	1.047	1.115	1.142	1.092	1.099	6.0
Carbazole		0.870	0.952	1.005	1.039	1.001	0.995	6.5
Di-n-butylphthalate		0.892	0.992	1.099	1.196	1.180	1.124	12.5
Fluoranthene		1.111	1.191	1.239	1.285	1.253	1.248	6.3
Benzidine		0.214	0.253	0.243	0.331	0.287	0.273	14.1
Pyrene		1.339	1.317	1.445	1.432	1.388	1.399	3.8
Terphenyl-d14		1.023	1.028	1.125	1.146	1.120	1.106	5.4
Butylbenzylphthalate		0.385	0.432	0.504	0.550	0.550	0.511	14.8
3,3-Dichlorobenzidine		0.350	0.407	0.448	0.476	0.458	0.442	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.: BM072823 SAS No.: BM072823 SDG No.: BM072823
Instrument ID: _____ Calibration Date(s): 7/28/2023 : _____
Calibration Time(s): 10:14 : _____

LAB FILE ID:		RRF2.5 = BM041158.D			RRF005 = BM041159.D		RRF010 = BM041160.D	
		RRF020 = BM041161.D			RRF040 = BM041162.D		RRF050 = BM041163.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.253	1.301	1.389	1.390	1.351	1.356	4.3
Chrysene		1.269	1.286	1.339	1.322	1.282	1.311	2.6
Bis(2-ethylhexyl)phthalate		0.511	0.613	0.712	0.794	0.798	0.730	17.5
Di-n-octyl phthalate			1.040	1.185	1.335	1.340	1.291	12.0
Benzo(b)fluoranthene		1.097	1.138	1.180	1.211	1.192	1.188	4.8
Benzo(k)fluoranthene		1.096	1.139	1.243	1.291	1.211	1.215	5.9
Benzo(a)pyrene		1.014	1.059	1.149	1.189	1.164	1.142	6.7
Indeno(1,2,3-cd)pyrene		1.322	1.387	1.477	1.519	1.482	1.470	5.9
Dibenzo(a,h)anthracene		1.081	1.153	1.221	1.266	1.245	1.226	6.9
Benzo(g,h,i)perylene		1.126	1.161	1.219	1.234	1.187	1.200	3.7
1,2,4,5-Tetrachlorobenzene		0.611	0.637	0.663	0.661	0.644	0.649	3.2
1,4-Dioxane		0.598	0.607	0.601	0.572	0.543	0.572	5.5
2,3,4,6-Tetrachlorophenol		0.355	0.367	0.398	0.397	0.390	0.390	5.6
1-Methylnaphthalene		0.673	0.670	0.701	0.689	0.666	0.685	2.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM080723 SAS No.: BM080723 SDG NO.: BM080723EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 7 2023 12:00AMLab File ID: BM041162.D Time Analyzed: 09:57Instrument 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	195180	7.804	706103	10.62	380278	14.47
	UPPER LIMIT	390360	8.304	1412206	11.116	760556	14.974
	LOWER LIMIT	97590	7.304	353051.5	10.116	190139	13.974
	EPA SAMPLE NO.						
01	PB154530BL	148621	7.79	580919	10.59	344529	14.45
02	PB154530BS	118701	7.79	445185	10.59	240584	14.45
03	PB154462BS	127369	7.79	481834	10.59	264010	14.45
04	PB154558BS	146263	7.79	550716	10.59	302572	14.45
05	PB154638BS	149527	7.79	574647	10.59	314862	14.45
06	MW-02	118896	7.79	489741	10.59	333826	14.46
07	MW-03	114764	7.79	486545	10.60	334619	14.46
08	MW-08W	129520	7.79	549666	10.59	373725	14.46
09	MW-03W	135599	7.79	591345	10.59	397939	14.46
10	MW-09	123845	7.79	507548	10.60	346102	14.46
11	MW-06W	162037	7.79	675888	10.59	446063	14.46
12	MW-07W	144768	7.79	609870	10.59	414992	14.46
13	MW-10	113680	7.79	473235	10.59	322472	14.46
14	MW-09W	162593	7.81	680502	10.61	458062	14.46
15	MCLEAN-TP11	138080	7.79	582576	10.59	390991	14.46
16	BUILDING-A-2- (0-5)DL2	161782	7.79	714692	10.59	497311	14.46

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM080723 SAS No.: BM080723 SDG NO.: BM080723EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 7 2023 12:00AMLab File ID: BM041303.D Time Analyzed: 09:57Instrument 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	201920	7.787	765806	10.59	462980	14.45
	UPPER LIMIT	403840	8.287	1531612	11.092	925960	14.951
	LOWER LIMIT	100960	7.287	382903	10.092	231490	13.951
	EPA SAMPLE NO.						
01	PB154530BL	148621	7.79	580919	10.59	344529	14.45
02	PB154530BS	118701	7.79	445185	10.59	240584	14.45
03	PB154462BS	127369	7.79	481834	10.59	264010	14.45
04	PB154558BS	146263	7.79	550716	10.59	302572	14.45
05	PB154638BS	149527	7.79	574647	10.59	314862	14.45
06	MW-02	118896	7.79	489741	10.59	333826	14.46
07	MW-03	114764	7.79	486545	10.60	334619	14.46
08	MW-08W	129520	7.79	549666	10.59	373725	14.46
09	MW-03W	135599	7.79	591345	10.59	397939	14.46
10	MW-09	123845	7.79	507548	10.60	346102	14.46
11	MW-06W	162037	7.79	675888	10.59	446063	14.46
12	MW-07W	144768	7.79	609870	10.59	414992	14.46
13	MW-10	113680	7.79	473235	10.59	322472	14.46
14	MW-09W	162593	7.81	680502	10.61	458062	14.46
15	MCLEAN-TP11	138080	7.79	582576	10.59	390991	14.46
16	BUILDING-A-2- (0-5)DL2	161782	7.79	714692	10.59	497311	14.46

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM080723 SAS No.: BM080723 SDG NO.: BM080723

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BM041162.D Time Analyzed: 09:57

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	753520	17.227	710612	21.433	769838	23.803
UPPER LIMIT	1507040	17.727	1421224	21.933	1539676	24.303
LOWER LIMIT	376760	16.727	355306	20.933	384919	23.303
EPA SAMPLE NO.						
01 PB154530BL	701512	17.22	562372	21.42	600576	23.79
02 PB154530BS	463541	17.22	397395	21.42	462116	23.79
03 PB154462BS	514461	17.22	478268	21.42	583740	23.79
04 PB154558BS	594030	17.22	545549	21.42	672540	23.79
05 PB154638BS	618266	17.22	573952	21.42	691251	23.79
06 MW-02	796784	17.22	646296	21.42	624903	23.79
07 MW-03	820959	17.22	761951	21.42	745636	23.79
08 MW-08W	885022	17.22	775169	21.42	773680	23.79
09 MW-03W	885291	17.22	687879	21.42	641898	23.79
10 MW-09	817172	17.22	758873	21.42	755427	23.79
11 MW-06W	979460	17.22	785039	21.42	772181	23.79
12 MW-07W	957171	17.22	832190	21.42	787788	23.79
13 MW-10	765189	17.22	696815	21.42	675163	23.79
14 MW-09W	994947	17.22	846272	21.42	807594	23.79
15 MCLEAN-TP11	935984	17.22	937782	21.42	961338	23.79
16 BUILDING-A-2- (0-5)DL2	1.1601e	17.22	1.021e+00	21.42	969647	23.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM080723 SAS No.: BM080723 SDG NO.: BM080723

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BM041162.D Time Analyzed: 19:21

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	753520	17.227	710612	21.433	769838	23.803
UPPER LIMIT	1507040	17.727	1421224	21.933	1539676	24.303
LOWER LIMIT	376760	16.727	355306	20.933	384919	23.303
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM080723 SAS No.: BM080723 SDG NO.: BM080723

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BM041303.D Time Analyzed: 09:57

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	1.00922e+04	17.215	945222	21.421	1.06524e+04	23.785
UPPER LIMIT	2018440	17.715	1890444	21.921	2130480	24.285
LOWER LIMIT	504610	16.715	472611	20.921	532620	23.285
EPA SAMPLE NO.						
01 PB154530BL	701512	17.22	562372	21.42	600576	23.79
02 PB154530BS	463541 *	17.22	397395 *	21.42	462116 *	23.79
03 PB154462BS	514461	17.22	478268	21.42	583740	23.79
04 PB154558BS	594030	17.22	545549	21.42	672540	23.79
05 PB154638BS	618266	17.22	573952	21.42	691251	23.79
06 MW-02	796784	17.22	646296	21.42	624903	23.79
07 MW-03	820959	17.22	761951	21.42	745636	23.79
08 MW-08W	885022	17.22	775169	21.42	773680	23.79
09 MW-03W	885291	17.22	687879	21.42	641898	23.79
10 MW-09	817172	17.22	758873	21.42	755427	23.79
11 MW-06W	979460	17.22	785039	21.42	772181	23.79
12 MW-07W	957171	17.22	832190	21.42	787788	23.79
13 MW-10	765189	17.22	696815	21.42	675163	23.79
14 MW-09W	994947	17.22	846272	21.42	807594	23.79
15 MCLEAN-TP11	935984	17.22	937782	21.42	961338	23.79
16 BUILDING-A-2- (0-5)DL2	1.1601e	17.22	1.021e+00	21.42	969647	23.79

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM080723 SAS No.: BM080723 SDG NO.: BM080723

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BM041303.D Time Analyzed: 19:21

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	1.00922e+04	17.215	945222	21.421	1.06524e+04	23.785
UPPER LIMIT	2018440	17.715	1890444	21.921	2130480	24.285
LOWER LIMIT	504610	16.715	472611	20.921	532620	23.285
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BM080723

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154462BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	1300	ug/Kg	76				10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	980	ug/Kg	58				16	100	
	Hexachlorobutadiene	1700	1700	ug/Kg	100		*		53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3500	ug/Kg	106				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	22800	ug/Kg	84				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	



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

SDG No.: BM080723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154462BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2900	ug/Kg	85				60	106	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1900	ug/Kg	112				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	4000	ug/Kg	121		*		10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				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	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				62	109	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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

SDG No.: BM080723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154530BS	n-Nitrosodimethylamine	50	44.7	ug/L	89					55	108	
	Pyridine	50	37.6	ug/L	75					29	97	
	Benzaldehyde	50	44.5	ug/L	89					15	121	
	Aniline	50	43.6	ug/L	87					10	130	
	Phenol	50	50.6	ug/L	101					66	118	
	bis(2-Chloroethyl)ether	50	50.6	ug/L	101					62	103	
	2-Chlorophenol	50	52.6	ug/L	105					70	117	
	1,2-Dichlorobenzene	50	55.2	ug/L	110		*			72	102	
	1,3-Dichlorobenzene	50	54.5	ug/L	109		*			71	103	
	1,4-Dichlorobenzene	50	55.6	ug/L	111		*			76	103	
	Benzyl Alcohol	50	55.6	ug/L	111		*			36	93	
	2-Methylphenol	50	48.3	ug/L	97					69	109	
	2,2-oxybis(1-Chloropropane)	50	46.5	ug/L	93					52	103	
	Acetophenone	50	51.6	ug/L	103					60	104	
	3+4-Methylphenols	50	47.9	ug/L	96					67	106	
	N-Nitroso-di-n-propylamine	50	50.6	ug/L	101					57	107	
	Hexachloroethane	50	56.8	ug/L	114					76	118	
	Nitrobenzene	50	49.3	ug/L	99					58	106	
	Isophorone	50	51.1	ug/L	102					61	102	
	2-Nitrophenol	50	57.7	ug/L	115					70	115	
	2,4-Dimethylphenol	50	48.1	ug/L	96					67	130	
	bis(2-Chloroethoxy)methane	50	48.8	ug/L	98					58	109	
	2,4-Dichlorophenol	50	53.8	ug/L	108					66	115	
	1,2,4-Trichlorobenzene	50	56.8	ug/L	114					41	115	
	Benzoic acid	50	49.7	ug/L	99					10	125	
	Naphthalene	50	49.2	ug/L	98					64	107	
	4-Chloroaniline	50	34.3	ug/L	69					10	85	
	Hexachlorobutadiene	50	60.5	ug/L	121		*			69	101	
	Caprolactam	50	49.1	ug/L	98					58	128	
	4-Chloro-3-methylphenol	50	49.4	ug/L	99					65	114	
	2-Methylnaphthalene	50	48	ug/L	96					64	107	
	Hexachlorocyclopentadiene	100	120	ug/L	120					36	160	
	2,4,6-Trichlorophenol	50	55.9	ug/L	112		*			61	110	
	2,4,5-Trichlorophenol	50	52	ug/L	104					70	106	
	1,1-Biphenyl	50	51.1	ug/L	102		*			72	98	
	2-Chloronaphthalene	50	53.6	ug/L	107		*			59	106	
	2-Nitroaniline	50	49.4	ug/L	99					58	107	
	Dimethylphthalate	50	50.3	ug/L	101					64	103	
	Acenaphthylene	50	51.6	ug/L	103					65	108	
	2,6-Dinitrotoluene	50	52.8	ug/L	106					64	110	
	3-Nitroaniline	50	38.1	ug/L	76					28	100	
	Acenaphthene	50	49	ug/L	98					59	113	
	Total PAH	800	820.8	ug/L	103					59	113	
	2,4-Dinitrophenol	100	98.1	ug/L	98					64	132	
	4-Nitrophenol	100	98.3	ug/L	98					68	116	
	Dibenzofuran	50	48.7	ug/L	97					65	106	



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

SDG No.: BM080723

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB154530BS	2,4-Dinitrotoluene	50	49	ug/L	98				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	101.8	ug/L	102				60	115	
	Diethylphthalate	50	50.4	ug/L	101				63	105	
	4-Chlorophenyl-phenylether	50	51.4	ug/L	103				61	104	
	Fluorene	50	48.6	ug/L	97				64	107	
	4-Nitroaniline	50	43.8	ug/L	88				69	112	
	4,6-Dinitro-2-methylphenol	50	54.5	ug/L	109				62	132	
	N-Nitrosodiphenylamine	50	50.9	ug/L	102				61	109	
	Azobenzene	50	47.1	ug/L	94				59	106	
	4-Bromophenyl-phenylether	50	54.9	ug/L	110		*		73	103	
	Hexachlorobenzene	50	56.9	ug/L	114		*		73	106	
	Atrazine	50	68.5	ug/L	137		*		76	120	
	Pentachlorophenol	100	91.9	ug/L	92				47	114	
	Phenanthrene	50	49.6	ug/L	99				62	109	
	Anthracene	50	50.7	ug/L	101				65	110	
	Carbazole	50	49.7	ug/L	99				62	106	
	Di-n-butylphthalate	50	55.4	ug/L	111		*		64	106	
	Fluoranthene	50	49.4	ug/L	99				64	110	
	Benzidine	100	140	ug/L	140		*		10	94	
	Pyrene	50	53	ug/L	106		*		71	103	
	Butylbenzylphthalate	50	59.9	ug/L	120		*		61	105	
	3,3-Dichlorobenzidine	50	57.7	ug/L	115		*		43	108	
	Benzo(a)anthracene	50	52.9	ug/L	106				62	107	
	Chrysene	50	49.9	ug/L	100				61	108	
	bis(2-Ethylhexyl)phthalate	50	54.7	ug/L	109				59	110	
	Di-n-octyl phthalate	50	59.3	ug/L	119				67	126	
	Benzo(b)fluoranthene	50	53.9	ug/L	108				77	113	
	Benzo(k)fluoranthene	50	48.9	ug/L	98				64	113	
	Benzo(a)pyrene	50	49.1	ug/L	98				72	131	
	Indeno(1,2,3-cd)pyrene	50	55	ug/L	110		*		72	105	
	Dibenz(a,h)anthracene	50	56	ug/L	112				78	115	
	Benzo(g,h,i)perylene	50	54	ug/L	108				75	118	
	1,2,4,5-Tetrachlorobenzene	50	56.4	ug/L	113		*		72	101	
	1,4-Dioxane	50	38	ug/L	76				38	125	
	2,3,4,6-Tetrachlorophenol	50	53.5	ug/L	107				63	116	
	1-Methylnaphthalene	50	48.6	ug/L	97				51	114	



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

SDG No.: BM080723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154558BS	n-Nitrosodimethylamine	1700	1100	ug/Kg	65				57	103	
	Pyridine	1700	900	ug/Kg	53				28	98	
	Benzaldehyde	1700	1100	ug/Kg	65				10	147	
	Aniline	1700	1000	ug/Kg	59				38	100	
	Phenol	1700	1200	ug/Kg	71				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76				65	112	
	1,2-Dichlorobenzene	1700	1300	ug/Kg	76				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1300	ug/Kg	76				42	116	
	2-Methylphenol	1700	1200	ug/Kg	71				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1100	ug/Kg	65				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1200	ug/Kg	71				58	111	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1200	ug/Kg	71				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				67	119	
	bis(2-Chloroethoxy)methane	1700	1200	ug/Kg	71				53	105	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1300	ug/Kg	76				10	140	
	Naphthalene	1700	1200	ug/Kg	71				62	100	
	4-Chloroaniline	1700	860	ug/Kg	51				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1200	ug/Kg	71				67	110	
	4-Chloro-3-methylphenol	1700	1200	ug/Kg	71				58	112	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	134	
	2,4,6-Trichlorophenol	1700	1300	ug/Kg	76				59	102	
	2,4,5-Trichlorophenol	1700	1200	ug/Kg	71				61	98	
	1,1-Biphenyl	1700	1200	ug/Kg	71				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1200	ug/Kg	71				66	101	
	Dimethylphthalate	1700	1200	ug/Kg	71				61	99	
	Acenaphthylene	1700	1200	ug/Kg	71				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	950	ug/Kg	56				28	100	
	Acenaphthene	1700	1200	ug/Kg	71				57	104	
	Total PAH	27200	19700	ug/Kg	72				57	104	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				37	128	
	4-Nitrophenol	3300	2400	ug/Kg	73				48	119	
	Dibenzofuran	1700	1200	ug/Kg	71				63	99	



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

SDG No.: BM080723

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154558BS	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	2500	ug/Kg	74				60	106		
	2,4-Dinitrotoluene	1700	1200	ug/Kg	71				60	106		
	Diethylphthalate	1700	1200	ug/Kg	71				60	101		
	4-Chlorophenyl-phenylether	1700	1200	ug/Kg	71				58	98		
	Fluorene	1700	1200	ug/Kg	71				61	101		
	4-Nitroaniline	1700	1100	ug/Kg	65				64	103		
	4,6-Dinitro-2-methylphenol	1700	1300	ug/Kg	76				76	113		
	N-Nitrosodiphenylamine	1700	1200	ug/Kg	71				56	107		
	Azobenzene	1700	1100	ug/Kg	65				54	103		
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99		
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	2200	ug/Kg	67				67	105		
	Phenanthrene	1700	1200	ug/Kg	71				59	103		
	Anthracene	1700	1200	ug/Kg	71				61	105		
	Carbazole	1700	1200	ug/Kg	71				61	99		
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104		
	Fluoranthene	1700	1200	ug/Kg	71				57	107		
	Benzidine	3300	3400	ug/Kg	103		*		10	98		
	Pyrene	1700	1200	ug/Kg	71				59	103		
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103		
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91		
	Benzo(a)anthracene	1700	1300	ug/Kg	76				60	102		
	Chrysene	1700	1200	ug/Kg	71				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				63	111		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108		
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				62	109		
	Benzo(k)fluoranthene	1700	1200	ug/Kg	71				62	109		
	Benzo(a)pyrene	1700	1200	ug/Kg	71				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1300	ug/Kg	76				63	101		
	Dibenz(a,h)anthracene	1700	1300	ug/Kg	76				61	112		
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101		
	1,4-Dioxane	1700	920	ug/Kg	54				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1300	ug/Kg	76				59	108		
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130		



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

SDG No.: BM080723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154638BS	n-Nitrosodimethylamine	1700	1100	ug/Kg	65				57	103	
	Pyridine	1700	910	ug/Kg	54				28	98	
	Benzaldehyde	1700	1100	ug/Kg	65				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1200	ug/Kg	71				60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1200	ug/Kg	71				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1100	ug/Kg	65				51	100	
	Acetophenone	1700	1200	ug/Kg	71				55	104	
	3+4-Methylphenols	1700	1200	ug/Kg	71				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1200	ug/Kg	71				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				67	119	
	bis(2-Chloroethoxy)methane	1700	1200	ug/Kg	71				53	105	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1300	ug/Kg	76				10	140	
	Naphthalene	1700	1200	ug/Kg	71				62	100	
	4-Chloroaniline	1700	860	ug/Kg	51				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1200	ug/Kg	71				67	110	
	4-Chloro-3-methylphenol	1700	1200	ug/Kg	71				58	112	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				60	104	
	Hexachlorocyclopentadiene	3300	3000	ug/Kg	91				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1200	ug/Kg	71				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1200	ug/Kg	71				66	101	
	Dimethylphthalate	1700	1200	ug/Kg	71				61	99	
	Acenaphthylene	1700	1300	ug/Kg	76				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	950	ug/Kg	56				28	100	
	Acenaphthene	1700	1200	ug/Kg	71				57	104	
	Total PAH	27200	19700	ug/Kg	72				57	104	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				37	128	
	4-Nitrophenol	3300	2500	ug/Kg	76				48	119	
	Dibenzofuran	1700	1200	ug/Kg	71				63	99	



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

SDG No.: BM080723

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154638BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2500	ug/Kg	74				60	106		
	2,4-Dinitrotoluene	1700	1200	ug/Kg	71				60	106		
	Diethylphthalate	1700	1200	ug/Kg	71				60	101		
	4-Chlorophenyl-phenylether	1700	1200	ug/Kg	71				58	98		
	Fluorene	1700	1200	ug/Kg	71				61	101		
	4-Nitroaniline	1700	1100	ug/Kg	65				64	103		
	4,6-Dinitro-2-methylphenol	1700	1300	ug/Kg	76				76	113		
	N-Nitrosodiphenylamine	1700	1200	ug/Kg	71				56	107		
	Azobenzene	1700	1100	ug/Kg	65				54	103		
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99		
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	2200	ug/Kg	67				67	105		
	Phenanthrene	1700	1200	ug/Kg	71				59	103		
	Anthracene	1700	1200	ug/Kg	71				61	105		
	Carbazole	1700	1200	ug/Kg	71				61	99		
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104		
	Fluoranthene	1700	1200	ug/Kg	71				57	107		
	Benzidine	3300	3400	ug/Kg	103		*		10	98		
	Pyrene	1700	1200	ug/Kg	71				59	103		
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103		
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91		
	Benzo(a)anthracene	1700	1300	ug/Kg	76				60	102		
	Chrysene	1700	1200	ug/Kg	71				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				63	111		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108		
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				62	109		
	Benzo(k)fluoranthene	1700	1200	ug/Kg	71				62	109		
	Benzo(a)pyrene	1700	1200	ug/Kg	71				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1300	ug/Kg	76				63	101		
	Dibenz(a,h)anthracene	1700	1300	ug/Kg	76				61	112		
	Benzo(g,h,i)perylene	1700	1200	ug/Kg	71				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101		
	1,4-Dioxane	1700	930	ug/Kg	55				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1300	ug/Kg	76				59	108		
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130		



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154462BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM080723SAS No.: BM080723 SDG NO.: BM080723Lab File ID: BM041306.DLab Sample ID: PB154462BSInstrument ID: BNA_MDate Extracted: 07/27/2023Matrix: (soil/water) SolidDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 11:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154462BS	PB154462BS	BM041306.D	08/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154530BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM080723SAS No.: BM080723 SDG NO.: BM080723Lab File ID: BM041304.DLab Sample ID: PB154530BLInstrument ID: BNA_MDate Extracted: 07/31/2023Matrix: (soil/water) WaterDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 09:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154530BS	PB154530BS	BM041305.D	08/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154558BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM080723SAS No.: BM080723 SDG NO.: BM080723Lab File ID: BM041307.DLab Sample ID: PB154558BSInstrument ID: BNA_MDate Extracted: 08/01/2023Matrix: (soil/water) SolidDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 11:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154558BS	PB154558BS	BM041307.D	08/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154638BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM080723SAS No.: BM080723 SDG NO.: BM080723Lab File ID: BM041308.DLab Sample ID: PB154638BSInstrument ID: BNA_MDate Extracted: 08/04/2023Matrix: (soil/water) SolidDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 12:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154638BS	PB154638BS	BM041308.D	08/07/2023
MW-02	O3903-02	BM041309.D	08/07/2023
MW-03	O3903-03	BM041310.D	08/07/2023
MW-09	O3903-09	BM041313.D	08/07/2023
MW-10	O3903-10	BM041316.D	08/07/2023
MCLEAN-TP11	O3895-01	BM041318.D	08/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MW-09W

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM080723SAS No.: BM080723 SDG NO.: BM080723Lab File ID: BM041317.DLab Sample ID: O3903-19Instrument ID: BNA_MDate Extracted: 08/04/2023Matrix: (soil/water) WaterDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 18:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-09W	O3903-19	BM041317.D	08/07/2023
MW-06W	O3903-16	BM041314.D	08/07/2023
MW-07W	O3903-17	BM041315.D	08/07/2023
MW-08W	O3903-18	BM041311.D	08/07/2023
MW-03W	O3903-13	BM041312.D	08/07/2023

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BM080723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154462BS	PB154462BS	BM041306.D	2-Fluorophenol	150	121.53	81		18	112
			Phenol-d6	150	113.40	76		15	107
			Nitrobenzene-d5	100	80.37	80		18	107
			2-Fluorobiphenyl	100	81.66	82		20	109
			2,4,6-Tribromophenol	150	125.96	84		10	110
			Terphenyl-d14	100	88.13	88		14	112



Surrogate Summary
SW-846

SDG No.: BM080723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3815-02DL2	BUILDING-A-2-(0-BM041319.D		2-Fluorophenol	150	28.25	19	*	18	112
			Phenol-d6	150	26.25	17		15	107
			Nitrobenzene-d5	100	0.00	0		18	107
			2-Fluorobiphenyl	100	28.00	28		20	109
			2,4,6-Tribromophenol	150	31.75	21		10	110
			Terphenyl-d14	100	61.50	62		14	112



Surrogate Summary
SW-846

SDG No.: BM080723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154530BL	PB154530BL	BM041304.D	2-Fluorophenol	150	140.32	94		10	139
			Phenol-d6	150	133.14	89		10	134
			Nitrobenzene-d5	100	89.01	89		49	133
			2-Fluorobiphenyl	100	90.55	91		52	132
			2,4,6-Tribromophenol	150	146.72	98		32	145
			Terphenyl-d14	100	112.43	112		36	145
PB154530BS	PB154530BS	BM041305.D	2-Fluorophenol	150	142.85	95		10	139
			Phenol-d6	150	133.32	89		10	134
			Nitrobenzene-d5	100	94.33	94		49	133
			2-Fluorobiphenyl	100	97.83	98		52	132
			2,4,6-Tribromophenol	150	149.05	99		32	145
			Terphenyl-d14	100	109.13	109		36	145



Surrogate Summary
SW-846

SDG No.: BM080723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154558BS	PB154558BS	BM041307.D	2-Fluorophenol	150	103.18	69		18	112
			Phenol-d6	150	96.85	65		15	107
			Nitrobenzene-d5	100	68.53	69		18	107
			2-Fluorobiphenyl	100	69.77	70		20	109
			2,4,6-Tribromophenol	150	107.78	72		10	110
			Terphenyl-d14	100	75.68	76		14	112

Surrogate Summary

SW-846

SDG No.: BM080723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3895-01	MCLEAN-TP11	BM041318.D	2-Fluorophenol	150	116.79	78		18	112
			Phenol-d6	150	121.22	81		15	107
			Nitrobenzene-d5	100	73.93	74		18	107
			2-Fluorobiphenyl	100	70.02	70		20	109
			2,4,6-Tribromophenol	150	138.63	92		10	110
			Terphenyl-d14	100	83.20	83		14	112
O3903-02	MW-02	BM041309.D	2-Fluorophenol	150	86.20	57		18	112
			Phenol-d6	150	87.05	58		15	107
			Nitrobenzene-d5	100	53.86	54		18	107
			2-Fluorobiphenyl	100	48.41	48		20	109
			2,4,6-Tribromophenol	150	94.53	63		10	110
			Terphenyl-d14	100	60.70	61		14	112
O3903-03	MW-03	BM041310.D	2-Fluorophenol	150	85.22	57		18	112
			Phenol-d6	150	87.67	58		15	107
			Nitrobenzene-d5	100	52.06	52		18	107
			2-Fluorobiphenyl	100	45.29	45		20	109
			2,4,6-Tribromophenol	150	92.34	62		10	110
			Terphenyl-d14	100	50.02	50		14	112
O3903-09	MW-09	BM041313.D	2-Fluorophenol	150	85.67	57		18	112
			Phenol-d6	150	80.79	54		15	107
			Nitrobenzene-d5	100	50.80	51		18	107
			2-Fluorobiphenyl	100	45.06	45		20	109
			2,4,6-Tribromophenol	150	91.14	61		10	110
			Terphenyl-d14	100	55.53	56		14	112
O3903-10	MW-10	BM041316.D	2-Fluorophenol	150	106.51	71		18	112
			Phenol-d6	150	107.31	72		15	107
			Nitrobenzene-d5	100	66.03	66		18	107
			2-Fluorobiphenyl	100	59.15	59		20	109
			2,4,6-Tribromophenol	150	121.19	81		10	110
			Terphenyl-d14	100	70.05	70		14	112
PB154638BS	PB154638BS	BM041308.D	2-Fluorophenol	150	105.52	70		18	112
			Phenol-d6	150	98.90	66		15	107
			Nitrobenzene-d5	100	69.07	69		18	107
			2-Fluorobiphenyl	100	70.69	71		20	109
			2,4,6-Tribromophenol	150	108.60	72		10	110
			Terphenyl-d14	100	76.17	76		14	112



Surrogate Summary

SW-846

SDG No.: BM080723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3903-13	MW-03W	BM041312.D	2-Fluorophenol	150	65.18	43		10	139
			Phenol-d6	150	41.49	28		10	134
			Nitrobenzene-d5	100	87.59	88		49	133
			2-Fluorobiphenyl	100	85.12	85		52	132
			2,4,6-Tribromophenol	150	159.61	106		32	145
			Terphenyl-d14	100	107.12	107		36	145
O3903-16	MW-06W	BM041314.D	2-Fluorophenol	150	47.32	32		10	139
			Phenol-d6	150	27.84	19		10	134
			Nitrobenzene-d5	100	77.87	78		49	133
			2-Fluorobiphenyl	100	75.28	75		52	132
			2,4,6-Tribromophenol	150	132.67	88		32	145
			Terphenyl-d14	100	93.30	93		36	145
O3903-17	MW-07W	BM041315.D	2-Fluorophenol	150	49.62	33		10	139
			Phenol-d6	150	30.27	20		10	134
			Nitrobenzene-d5	100	81.68	82		49	133
			2-Fluorobiphenyl	100	78.55	79		52	132
			2,4,6-Tribromophenol	150	145.82	97		32	145
			Terphenyl-d14	100	93.26	93		36	145
O3903-18	MW-08W	BM041311.D	2-Fluorophenol	150	66.59	44		10	139
			Phenol-d6	150	41.11	27		10	134
			Nitrobenzene-d5	100	90.11	90		49	133
			2-Fluorobiphenyl	100	85.26	85		52	132
			2,4,6-Tribromophenol	150	154.44	103		32	145
			Terphenyl-d14	100	102.26	102		36	145
O3903-19	MW-09W	BM041317.D	2-Fluorophenol	150	31.85	21		10	139
			Phenol-d6	150	22.20	15		10	134
			Nitrobenzene-d5	100	49.60	50		49	133
			2-Fluorobiphenyl	100	49.94	50	*	52	132
			2,4,6-Tribromophenol	150	66.72	44		32	145
			Terphenyl-d14	100	60.24	60		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM080723Lab Code: CHEMSAS No.: BM080723 SDG NO.: BM080723Lab File ID: BM041302.DDFTPP Injection Date: 08/07/2023Instrument ID: BNA_MDFTPP Injection Time: 08:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.9
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.5
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	27.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	87.1
443	15.0 - 24.0% of mass 442	17 (19.5) 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	BM041303.D	08/07/2023	09:20
PB154530BL	PB154530BL	BM041304.D	08/07/2023	09:57
PB154530BS	PB154530BS	BM041305.D	08/07/2023	10:34
PB154462BS	PB154462BS	BM041306.D	08/07/2023	11:10
PB154558BS	PB154558BS	BM041307.D	08/07/2023	11:47
PB154638BS	PB154638BS	BM041308.D	08/07/2023	12:24
MW-02	O3903-02	BM041309.D	08/07/2023	13:06
MW-03	O3903-03	BM041310.D	08/07/2023	13:43
MW-08W	O3903-18	BM041311.D	08/07/2023	14:20
MW-03W	O3903-13	BM041312.D	08/07/2023	14:58
MW-09	O3903-09	BM041313.D	08/07/2023	15:35
MW-06W	O3903-16	BM041314.D	08/07/2023	16:12
MW-07W	O3903-17	BM041315.D	08/07/2023	16:50
MW-10	O3903-10	BM041316.D	08/07/2023	17:28
MW-09W	O3903-19	BM041317.D	08/07/2023	18:06
MCLEAN-TP11	O3895-01	BM041318.D	08/07/2023	18:43
BUILDING-A-2- (0-5) DL2	O3815-02DL2	BM041319.D	08/07/2023	19:21