

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM080923 SAS No.: BM080923 SDG No.: BM080923
 Instrument ID: BNA_M Calibration Date/Time: 8/9/2023 12:13:10
 Lab File ID: BM041340.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	0.515		-26.006	
Pyridine	1.505	1.195		-20.598	
2-Fluorophenol	1.338	1.047		-21.749	
Benzaldehyde	0.915	0.779		-14.863	
Aniline	2.030	1.805		-11.084	
Phenol-d6	1.735	1.440		-17.003	
Phenol	1.675	1.396		-16.657	20.0
bis(2-Chloroethyl)ether	1.356	1.213		-10.546	
2-Chlorophenol	1.306	1.138		-12.864	
1,2-Dichlorobenzene	1.370	1.249		-8.832	
1,3-Dichlorobenzene	1.422	1.266		-10.97	
1,4-Dichlorobenzene	1.429	1.287		-9.937	20.0
Benzyl Alcohol	1.095	1.075		-1.826	
2-Methylphenol	1.145	1.070		-6.55	
2,2-oxybis(1-Chloropropane)	1.807	1.519		-15.938	
Acetophenone	0.530	0.461		-13.019	
3+4-Methylphenols	1.530	1.445		-5.556	
n-Nitroso-di-n-propylamine	1.054	1.084	0.050	2.846	
Nitrobenzene-d5	0.430	0.370		-13.953	
Hexachloroethane	0.532	0.497		-6.579	
Nitrobenzene	0.435	0.372		-14.483	
Isophorone	0.730	0.715		-2.055	
2-Nitrophenol	0.170	0.167		-1.765	20.0
2,4-Dimethylphenol	0.299	0.271		-9.365	
bis(2-Chloroethoxy)methane	0.457	0.411		-10.066	
2,4-Dichlorophenol	0.302	0.286		-5.298	20.0
1,2,4-Trichlorobenzene	0.333	0.318		-4.505	
Benzoic acid	0.198	0.206		4.04	
Naphthalene	1.085	0.948		-12.627	
4-Chloroaniline	0.434	0.389		-10.369	
Hexachlorobutadiene	0.200	0.207		3.5	20.0
Caprolactam	0.087	0.091		4.598	
4-Chloro-3-methylphenol	0.318	0.311		-2.201	20.0
2-Methylnaphthalene	0.732	0.695		-5.055	
Hexachlorocyclopentadiene	0.344	0.239	0.050	-30.523	
2,4,6-Trichlorophenol	0.416	0.403		-3.125	20.0
2-Fluorobiphenyl	1.583	1.382		-12.697	
2,4,5-Trichlorophenol	0.482	0.463		-3.942	
1,1-Biphenyl	1.621	1.396		-13.88	
2-Chloronaphthalene	1.211	1.060		-12.469	
2-Nitroaniline	0.386	0.344		-10.881	

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Lab File ID: BM041340.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.504	1.405		-6.582	
Acenaphthylene	1.954	1.720		-11.975	
2,6-Dinitrotoluene	0.312	0.300		-3.846	
3-Nitroaniline	0.326	0.292		-10.429	
Acenaphthene	1.177	1.022		-13.169	20.0
2,4-Dinitrophenol	0.180	0.164	0.050	-8.889	
4-Nitrophenol	0.260	0.168	0.050	-35.385	
Dibenzofuran	1.921	1.688		-12.129	
2,4-Dinitrotoluene	0.402	0.404		0.498	
Diethylphthalate	1.455	1.402		-3.643	
4-Chlorophenyl-phenylether	0.759	0.726		-4.348	
Fluorene	1.515	1.340		-11.551	
4-Nitroaniline	0.284	0.246		-13.38	
4,6-Dinitro-2-methylphenol	0.121	0.116		-4.132	
n-Nitrosodiphenylamine	0.622	0.553		-11.093	20.0
Azobenzene	1.594	1.409		-11.606	
2,4,6-Tribromophenol	0.283	0.273		-3.534	
4-Bromophenyl-phenylether	0.219	0.215		-1.826	
Hexachlorobenzene	0.244	0.230		-5.738	
Atrazine	0.163	0.167		2.454	
Pentachlorophenol	0.169	0.158		-6.509	20.0
Phenanthrene	1.111	0.951		-14.401	
Anthracene	1.099	0.968		-11.92	
Carbazole	0.995	0.816		-17.99	
Di-n-butylphthalate	1.124	1.128		0.356	
Fluoranthene	1.248	1.035		-17.067	20.0
Benzidine	0.273	0.270		-1.099	
Pyrene	1.399	1.426		1.93	
Terphenyl-d14	1.106	1.180		6.691	
Butylbenzylphthalate	0.511	0.596		16.634	
3,3-Dichlorobenzidine	0.442	0.416		-5.882	
Benzo (a) anthracene	1.356	1.238		-8.702	
Chrysene	1.311	1.170		-10.755	
Bis (2-ethylhexyl) phthalate	0.730	0.859		17.671	
Di-n-octyl phthalate	1.291	1.361		5.422	20.0
Benzo (b) fluoranthene	1.188	1.074		-9.596	
Benzo (k) fluoranthene	1.215	1.082		-10.947	
Benzo (a) pyrene	1.142	1.026		-10.158	20.0
Indeno (1,2,3-cd) pyrene	1.470	1.273		-13.401	
Dibenzo (a,h) anthracene	1.226	1.067		-12.969	
Benzo (g,h,i) perylene	1.200	1.042		-13.167	



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Lab File ID: BM041340.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	0.589		-9.245	
1,4-Dioxane	0.572	0.417		-27.098	20.0
2,3,4,6-Tetrachlorophenol	0.390	0.373		-4.359	
1-Methylnaphthalene	0.685	0.654		-4.526	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	PB154288BL	SDG No.:	BM080923
Lab Sample ID:	PB154288BL	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
BM041341.D	1	7/19/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154288

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:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	PB154288BL	SDG No.:	BM080923
Lab Sample ID:	PB154288BL	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
BM041341.D	1	7/19/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154288

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:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	PB154288BL	SDG No.:	BM080923
Lab Sample ID:	PB154288BL	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
BM041341.D	1	7/19/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154288

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	137.182		10-139		91	SPK: -150
13127-88-3	Phenol-d6	129.038		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	86.49		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	88.547		52-132		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	150.713		32-145		100	SPK: -150
1718-51-0	Terphenyl-d14	121.564		36-145		122	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	128573	7.775				
1146-65-2	Naphthalene-d8	524441	10.58				
15067-26-2	Acenaphthene-d10	331413	14.445				
1517-22-2	Phenanthrene-d10	750391	17.209				
1719-03-5	Chrysene-d12	579191	21.421				
1520-96-3	Perylene-d12	571033	23.791				



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

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	PB154288BL	SDG No.:	BM080923
Lab Sample ID:	PB154288BL	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
BM041341.D	1	7/19/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	3	J			18.109	
000057-11-4	Octadecanoic acid	2.2	J			19.398	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BL	SDG No.:	BM080923
Lab Sample ID:	PB154728BL	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
BM041342.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BL	SDG No.:	BM080923
Lab Sample ID:	PB154728BL	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
BM041342.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BL	SDG No.:	BM080923
Lab Sample ID:	PB154728BL	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
BM041342.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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	137.957		10-139		92	SPK: -150
13127-88-3	Phenol-d6	125.415		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	87.847		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	91.143		52-132		91	SPK: -100
118-79-6	2,4,6-Tribromophenol	146.648		32-145		98	SPK: -150
1718-51-0	Terphenyl-d14	113.356		36-145		113	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	133751	7.781				
1146-65-2	Naphthalene-d8	518164	10.587				
15067-26-2	Acenaphthene-d10	305841	14.445				
1517-22-2	Phenanthrene-d10	639747	17.21				
1719-03-5	Chrysene-d12	506926	21.415				
1520-96-3	Perylene-d12	541019	23.786				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BL	SDG No.:	BM080923
Lab Sample ID:	PB154728BL	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
BM041342.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	8.7	J			18.11	
000057-11-4	Octadecanoic acid	5.7	J			19.398	

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154703TB	SDG No.:	BM080923
Lab Sample ID:	PB154703TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041343.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154703TB	SDG No.:	BM080923
Lab Sample ID:	PB154703TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041343.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154703TB	SDG No.:	BM080923
Lab Sample ID:	PB154703TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041343.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	131.281		10-139		88	SPK: -150
13127-88-3	Phenol-d6	120.634		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	83.106		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	85.623		52-132		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	137.087		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	121.587		36-145		122	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150943	7.781				
1146-65-2	Naphthalene-d8	598312	10.587				
15067-26-2	Acenaphthene-d10	364041	14.445				
1517-22-2	Phenanthrene-d10	740066	17.21				
1719-03-5	Chrysene-d12	497963	21.421				
1520-96-3	Perylene-d12	506528	23.792				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154703TB	SDG No.:	BM080923
Lab Sample ID:	PB154703TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041343.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BS	SDG No.:	BM080923
Lab Sample ID:	PB154728BS	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
BM041344.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38.4		2	8	10	ug/L
110-86-1	Pyridine	30.5		1.8	4	5	ug/L
100-52-7	Benzaldehyde	37.3		3.3	8	10	ug/L
62-53-3	Aniline	29.2		2.4	4	5	ug/L
108-95-2	Phenol	49.1		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.8		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	50.9		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	50.7		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.8		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	50		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	54.4		2.4	8	10	ug/L
95-48-7	2-Methylphenol	49.3		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.4		2.3	4	5	ug/L
98-86-2	Acetophenone	45		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	49.3		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	52.4		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	51.6		1.6	4	5	ug/L
98-95-3	Nitrobenzene	43.4		1.7	4	5	ug/L
78-59-1	Isophorone	48.6		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	51.2		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46.1		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.7		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	51.6		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	50		1.7	4	5	ug/L
65-85-0	Benzoic acid	47.5		6.7	8	10	ug/L
91-20-3	Naphthalene	44.9		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	8.2		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	52.9		1.9	4	5	ug/L
105-60-2	Caprolactam	52.4		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	51.4		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.4		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BS	SDG No.:	BM080923
Lab Sample ID:	PB154728BS	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
BM041344.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	100	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	50.3		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	46.8		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	44.6		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.3		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	44.2		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	47.4		1.9	4	5	ug/L
208-96-8	Acenaphthylene	46.4		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.6		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	27		2.4	4	5	ug/L
83-32-9	Acenaphthene	44.3		1.7	4	5	ug/L
Total PAH	Total PAH	745.5		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	89.5	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	78.6		2.8	8	10	ug/L
132-64-9	Dibenzofuran	44.5		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	47.1		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	96.7		4.6	4	10	ug/L
84-66-2	Diethylphthalate	48.8		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.3		2.2	4	5	ug/L
86-73-7	Fluorene	45.4		2	4	5	ug/L
100-01-6	4-Nitroaniline	37.7		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.5		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.4		2	4	5	ug/L
103-33-3	Azobenzene	45.2		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	49		2	4	5	ug/L
118-74-1	Hexachlorobenzene	50.7		1.9	4	5	ug/L
1912-24-9	Atrazine	63.7		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	83.6	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	44.9		2	4	5	ug/L
120-12-7	Anthracene	45.2		2.3	4	5	ug/L
86-74-8	Carbazole	43.2		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	51.4		2.4	4	5	ug/L
206-44-0	Fluoranthene	42.5		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BS	SDG No.:	BM080923
Lab Sample ID:	PB154728BS	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
BM041344.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	63.5		6.6	8	10	ug/L
129-00-0	Pyrene	56.5		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	60.3		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36.5		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	48.1		1.5	4	5	ug/L
218-01-9	Chrysene	45.3		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	52.3		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	51.3		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.6		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.6		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.5		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.7		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.2		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45.4		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.2		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	31.1		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.8		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	47.6		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	130.947		10-139		87	SPK: -150
13127-88-3	Phenol-d6	128.682		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	82.81		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	83.776		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	139.363		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	115.117		36-145		115	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	139960	7.781				
1146-65-2	Naphthalene-d8	584191	10.586				
15067-26-2	Acenaphthene-d10	361993	14.451				
1517-22-2	Phenanthrene-d10	741752	17.209				
1719-03-5	Chrysene-d12	505915	21.415				
1520-96-3	Perylene-d12	495625	23.78				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154728BS	SDG No.:	BM080923
Lab Sample ID:	PB154728BS	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
BM041344.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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:	FLY-ASH	SDG No.:	BM080923
Lab Sample ID:	O3905-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041345.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	FLY-ASH	SDG No.:	BM080923
Lab Sample ID:	O3905-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041345.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	FLY-ASH	SDG No.:	BM080923
Lab Sample ID:	O3905-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041345.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	97.972		10-139		65	SPK: -150
13127-88-3	Phenol-d6	74.711		10-134		50	SPK: -150
4165-60-0	Nitrobenzene-d5	73.646		49-133		74	SPK: -100
321-60-8	2-Fluorobiphenyl	75.051		52-132		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.876		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	91.2		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103237	7.781				
1146-65-2	Naphthalene-d8	385577	10.586				
15067-26-2	Acenaphthene-d10	234114	14.445				
1517-22-2	Phenanthrene-d10	500111	17.209				
1719-03-5	Chrysene-d12	456665	21.415				
1520-96-3	Perylene-d12	520111	23.785				



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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:	FLY-ASH	SDG No.:	BM080923
Lab Sample ID:	O3905-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041345.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38	SDG No.:	BM080923
Lab Sample ID:	O3919-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041346.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38	SDG No.:	BM080923
Lab Sample ID:	O3919-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041346.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38	SDG No.:	BM080923
Lab Sample ID:	O3919-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041346.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.409		10-139		81	SPK: -150
13127-88-3	Phenol-d6	102.147		10-134		68	SPK: -150
4165-60-0	Nitrobenzene-d5	86.201		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	87.749		52-132		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	146.749		32-145		98	SPK: -150
1718-51-0	Terphenyl-d14	116.793		36-145		117	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112049	7.781				
1146-65-2	Naphthalene-d8	438268	10.586				
15067-26-2	Acenaphthene-d10	271716	14.445				
1517-22-2	Phenanthrene-d10	585671	17.209				
1719-03-5	Chrysene-d12	461318	21.415				
1520-96-3	Perylene-d12	499418	23.791				



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Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38	SDG No.:	BM080923
Lab Sample ID:	O3919-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041346.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MS	SDG No.:	BM080923
Lab Sample ID:	O3919-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041347.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	450		20.2	80	100	ug/L
110-86-1	Pyridine	350		17.8	40	50	ug/L
100-52-7	Benzaldehyde	270		32.8	80	100	ug/L
62-53-3	Aniline	110		24.2	40	50	ug/L
108-95-2	Phenol	460		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	520		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	540		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	550		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	520		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	540		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	590		23.8	80	100	ug/L
95-48-7	2-Methylphenol	510		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	490		22.6	40	50	ug/L
98-86-2	Acetophenone	510		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	510		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	580		19.8	25	25	ug/L
67-72-1	Hexachloroethane	550		16.4	40	50	ug/L
98-95-3	Nitrobenzene	490		17.2	40	50	ug/L
78-59-1	Isophorone	550		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	570		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	500		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	510		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	560		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	540		17	40	50	ug/L
65-85-0	Benzoic acid	290		66.5	80	100	ug/L
91-20-3	Naphthalene	500		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	56.3		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	570		19.3	40	50	ug/L
105-60-2	Caprolactam	480		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	560		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	510		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MS	SDG No.:	BM080923
Lab Sample ID:	O3919-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041347.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1000	E	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	570		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	520		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	520		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	540		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	500		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	540		18.8	40	50	ug/L
208-96-8	Acenaphthylene	540		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	560		21	40	50	ug/L
99-09-2	3-Nitroaniline	260		23.6	40	50	ug/L
83-32-9	Acenaphthene	520		17.2	40	50	ug/L
Total PAH	Total PAH	8490		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	680		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	730		28	80	100	ug/L
132-64-9	Dibenzofuran	510		15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	520		25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	080		46.4	40	100	ug/L
84-66-2	Diethylphthalate	540		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	540		22.2	40	50	ug/L
86-73-7	Fluorene	520		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	390		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	480		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	540		19.5	40	50	ug/L
103-33-3	Azobenzene	510		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	580		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	600		19.1	40	50	ug/L
1912-24-9	Atrazine	730		35	40	50	ug/L
87-86-5	Pentachlorophenol	920	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	520		20	40	50	ug/L
120-12-7	Anthracene	530		22.8	40	50	ug/L
86-74-8	Carbazole	500		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	580		24	40	50	ug/L
206-44-0	Fluoranthene	500		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MS	SDG No.:	BM080923
Lab Sample ID:	O3919-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041347.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	400		65.8	80	100	ug/L
129-00-0	Pyrene	600		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	650		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	340		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		14.5	40	50	ug/L
218-01-9	Chrysene	530		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	570		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	610		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	550		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	520		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	500		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	540		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	540		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	530		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	550		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	360		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	560		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	530		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.931		10-139		81	SPK: -150
13127-88-3	Phenol-d6	108.714		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	85.894		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	89.122		52-132		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	137.553		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	108.23		36-145		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	133901	7.781				
1146-65-2	Naphthalene-d8	549064	10.586				
15067-26-2	Acenaphthene-d10	323704	14.451				
1517-22-2	Phenanthrene-d10	622781	17.209				
1719-03-5	Chrysene-d12	469264	21.415				
1520-96-3	Perylene-d12	538778	23.78				



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Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MS	SDG No.:	BM080923
Lab Sample ID:	O3919-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041347.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MSD	SDG No.:	BM080923
Lab Sample ID:	O3919-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041348.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		20.2	80	100	ug/L
110-86-1	Pyridine	310		17.8	40	50	ug/L
100-52-7	Benzaldehyde	240		32.8	80	100	ug/L
62-53-3	Aniline	100		24.2	40	50	ug/L
108-95-2	Phenol	410		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	470		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	480		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	490		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	480		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	490		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	540		23.8	80	100	ug/L
95-48-7	2-Methylphenol	460		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	450		22.6	40	50	ug/L
98-86-2	Acetophenone	470		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	450		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	520		19.8	25	25	ug/L
67-72-1	Hexachloroethane	500		16.4	40	50	ug/L
98-95-3	Nitrobenzene	450		17.2	40	50	ug/L
78-59-1	Isophorone	510		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	530		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	460		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	480		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	520		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	520		17	40	50	ug/L
65-85-0	Benzoic acid	280		66.5	80	100	ug/L
91-20-3	Naphthalene	450		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	56.1		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	550		19.3	40	50	ug/L
105-60-2	Caprolactam	430		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	490		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	470		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MSD	SDG No.:	BM080923
Lab Sample ID:	O3919-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041348.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	990	E	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	540		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	500		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	480		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	500		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	450		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	500		18.8	40	50	ug/L
208-96-8	Acenaphthylene	490		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		21	40	50	ug/L
99-09-2	3-Nitroaniline	240		23.6	40	50	ug/L
83-32-9	Acenaphthene	470		17.2	40	50	ug/L
Total PAH	Total PAH	7830		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	590		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	650		28	80	100	ug/L
132-64-9	Dibenzofuran	470		15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1000		46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	480		25.4	40	50	ug/L
84-66-2	Diethylphthalate	490		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	500		22.2	40	50	ug/L
86-73-7	Fluorene	470		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	340		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	430		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	490		19.5	40	50	ug/L
103-33-3	Azobenzene	460		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	540		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	560		19.1	40	50	ug/L
1912-24-9	Atrazine	670		35	40	50	ug/L
87-86-5	Pentachlorophenol	850	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	470		20	40	50	ug/L
120-12-7	Anthracene	490		22.8	40	50	ug/L
86-74-8	Carbazole	450		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	520		24	40	50	ug/L
206-44-0	Fluoranthene	450		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MSD	SDG No.:	BM080923
Lab Sample ID:	O3919-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041348.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	370		65.8	80	100	ug/L
129-00-0	Pyrene	550		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	590		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	330		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	500		14.5	40	50	ug/L
218-01-9	Chrysene	480		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	520		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	540		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	520		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	480		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	470		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	520		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	520		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	500		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	520		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	330		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	520		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	480		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	108.817		10-139		73	SPK: -150
13127-88-3	Phenol-d6	98.234		10-134		65	SPK: -150
4165-60-0	Nitrobenzene-d5	79.686		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	81.889		52-132		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	125.928		32-145		84	SPK: -150
1718-51-0	Terphenyl-d14	98.447		36-145		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154869	7.781				
1146-65-2	Naphthalene-d8	610059	10.587				
15067-26-2	Acenaphthene-d10	355651	14.445				
1517-22-2	Phenanthrene-d10	686356	17.21				
1719-03-5	Chrysene-d12	512001	21.415				
1520-96-3	Perylene-d12	567427	23.78				



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Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-38MSD	SDG No.:	BM080923
Lab Sample ID:	O3919-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041348.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-36	SDG No.:	BM080923
Lab Sample ID:	O3919-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041349.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-36	SDG No.:	BM080923
Lab Sample ID:	O3919-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041349.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-36	SDG No.:	BM080923
Lab Sample ID:	O3919-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041349.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	111.562		10-139		74	SPK: -150
13127-88-3	Phenol-d6	95.86		10-134		64	SPK: -150
4165-60-0	Nitrobenzene-d5	80.345		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	80.714		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.42		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	108.182		36-145		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118493	7.781				
1146-65-2	Naphthalene-d8	458926	10.587				
15067-26-2	Acenaphthene-d10	289945	14.445				
1517-22-2	Phenanthrene-d10	619604	17.21				
1719-03-5	Chrysene-d12	514582	21.416				
1520-96-3	Perylene-d12	571164	23.786				



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Report of Analysis

Client:		Date Collected:	8/5/2023 12:00:00 AM
Project:		Date Received:	8/5/2023 12:00:00 AM
Client Sample ID:	TP-36	SDG No.:	BM080923
Lab Sample ID:	O3919-05	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041349.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM080923
Lab Sample ID:	O3921-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041350.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM080923
Lab Sample ID:	O3921-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041350.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM080923
Lab Sample ID:	O3921-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041350.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119.53		10-139		80	SPK: -150
13127-88-3	Phenol-d6	100.272		10-134		67	SPK: -150
4165-60-0	Nitrobenzene-d5	83.578		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	83.098		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.983		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	107.699		36-145		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113237	7.775				
1146-65-2	Naphthalene-d8	446669	10.581				
15067-26-2	Acenaphthene-d10	285886	14.445				
1517-22-2	Phenanthrene-d10	626512	17.21				
1719-03-5	Chrysene-d12	536421	21.415				
1520-96-3	Perylene-d12	563254	23.786				



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Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BM080923
Lab Sample ID:	O3921-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041350.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BM080923
Lab Sample ID:	O3931-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041351.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BM080923
Lab Sample ID:	O3931-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041351.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BM080923
Lab Sample ID:	O3931-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041351.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.523		10-139		77	SPK: -150
13127-88-3	Phenol-d6	94.684		10-134		63	SPK: -150
4165-60-0	Nitrobenzene-d5	83.646		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	84.403		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	139.159		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	103.677		36-145		104	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98973	7.775				
1146-65-2	Naphthalene-d8	388319	10.581				
15067-26-2	Acenaphthene-d10	241873	14.445				
1517-22-2	Phenanthrene-d10	537684	17.209				
1719-03-5	Chrysene-d12	477151	21.415				
1520-96-3	Perylene-d12	509225	23.786				



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Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BM080923
Lab Sample ID:	O3931-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041351.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BM080923
Lab Sample ID:	O3931-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041352.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BM080923
Lab Sample ID:	O3931-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041352.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

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

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BM080923
Lab Sample ID:	O3931-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041352.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	109.742		10-139		73	SPK: -150
13127-88-3	Phenol-d6	93.737		10-134		62	SPK: -150
4165-60-0	Nitrobenzene-d5	79.449		49-133		79	SPK: -100
321-60-8	2-Fluorobiphenyl	78.97		52-132		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	133.955		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	103.131		36-145		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	116404	7.781				
1146-65-2	Naphthalene-d8	448195	10.58				
15067-26-2	Acenaphthene-d10	273374	14.445				
1517-22-2	Phenanthrene-d10	586915	17.209				
1719-03-5	Chrysene-d12	493118	21.415				
1520-96-3	Perylene-d12	539350	23.785				



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

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BM080923
Lab Sample ID:	O3931-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM041352.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet
SW-846

SDG No.: BM080923

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:



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.: BM080923 SAS No.: BM080923 SDG NO.: BM080923EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2023 12:00AMLab File ID: BM041162.D Time Analyzed: 13:47Instrument 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	PB154288BL	128573	7.78	524441	10.58	331413	14.45
02	PB154728BL	133751	7.78	518164	10.59	305841	14.45
03	PB154703TB	150943	7.78	598312	10.59	364041	14.45
04	PB154728BS	139960	7.78	584191	10.59	361993	14.45
05	FLY-ASH	103237	7.78	385577	10.59	234114	14.45
06	TP-38	112049	7.78	438268	10.59	271716	14.45
07	TP-38MS	133901	7.78	549064	10.59	323704	14.45
08	TP-38MSD	154869	7.78	610059	10.59	355651	14.45
09	TP-36	118493	7.78	458926	10.59	289945	14.45
10	WC-1	113237	7.78	446669	10.58	285886	14.45
11	DAYTON-SOIL1	98973	7.78	388319	10.58	241873	14.45
12	DAYTON-SOIL2	116404	7.78	448195	10.58	273374	14.45

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.: BM080923 SAS No.: BM080923 SDG NO.: BM080923EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2023 12:00AMLab File ID: BM041340.D Time Analyzed: 13:47Instrument 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	157468	7.775	645748	10.59	406508	14.45
	UPPER LIMIT	314936	8.275	1291496	11.087	813016	14.945
	LOWER LIMIT	78734	7.275	322874	10.087	203254	13.945
	EPA SAMPLE NO.						
01	PB154288BL	128573	7.78	524441	10.58	331413	14.45
02	PB154728BL	133751	7.78	518164	10.59	305841	14.45
03	PB154703TB	150943	7.78	598312	10.59	364041	14.45
04	PB154728BS	139960	7.78	584191	10.59	361993	14.45
05	FLY-ASH	103237	7.78	385577	10.59	234114	14.45
06	TP-38	112049	7.78	438268	10.59	271716	14.45
07	TP-38MS	133901	7.78	549064	10.59	323704	14.45
08	TP-38MSD	154869	7.78	610059	10.59	355651	14.45
09	TP-36	118493	7.78	458926	10.59	289945	14.45
10	WC-1	113237	7.78	446669	10.58	285886	14.45
11	DAYTON-SOIL1	98973	7.78	388319	10.58	241873	14.45
12	DAYTON-SOIL2	116404	7.78	448195	10.58	273374	14.45

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.: BM080923 SAS No.: BM080923 SDG NO.: BM080923

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

Lab File ID: BM041162.D Time Analyzed: 13:47

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 PB154288BL	750391	17.21	579191	21.42	571033	23.79
02 PB154728BL	639747	17.21	506926	21.42	541019	23.79
03 PB154703TB	740066	17.21	497963	21.42	506528	23.79
04 PB154728BS	741752	17.21	505915	21.42	495625	23.78
05 FLY-ASH	500111	17.21	456665	21.42	520111	23.79
06 TP-38	585671	17.21	461318	21.42	499418	23.79
07 TP-38MS	622781	17.21	469264	21.42	538778	23.78
08 TP-38MSD	686356	17.21	512001	21.42	567427	23.78
09 TP-36	619604	17.21	514582	21.42	571164	23.79
10 WC-1	626512	17.21	536421	21.42	563254	23.79
11 DAYTON-SOIL1	537684	17.21	477151	21.42	509225	23.79
12 DAYTON-SOIL2	586915	17.21	493118	21.42	539350	23.79

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.: BM080923 SAS No.: BM080923 SDG NO.: BM080923

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

Lab File ID: BM041340.D Time Analyzed: 13:47

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	827964	17.21	609736	21.415	629695	23.78
UPPER LIMIT	1655928	17.71	1219472	21.915	1259390	24.28
LOWER LIMIT	413982	16.71	304868	20.915	314847.5	23.28
EPA SAMPLE NO.						
01 PB154288BL	750391	17.21	579191	21.42	571033	23.79
02 PB154728BL	639747	17.21	506926	21.42	541019	23.79
03 PB154703TB	740066	17.21	497963	21.42	506528	23.79
04 PB154728BS	741752	17.21	505915	21.42	495625	23.78
05 FLY-ASH	500111	17.21	456665	21.42	520111	23.79
06 TP-38	585671	17.21	461318	21.42	499418	23.79
07 TP-38MS	622781	17.21	469264	21.42	538778	23.78
08 TP-38MSD	686356	17.21	512001	21.42	567427	23.78
09 TP-36	619604	17.21	514582	21.42	571164	23.79
10 WC-1	626512	17.21	536421	21.42	563254	23.79
11 DAYTON-SOIL1	537684	17.21	477151	21.42	509225	23.79
12 DAYTON-SOIL2	586915	17.21	493118	21.42	539350	23.79

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.: BM080923

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154728BS	n-Nitrosodimethylamine	50	38.4	ug/L	77				55	108	
	Pyridine	50	30.5	ug/L	61				29	97	
	Benzaldehyde	50	37.3	ug/L	75				15	121	
	Aniline	50	29.2	ug/L	58				10	130	
	Phenol	50	49.1	ug/L	98				66	118	
	bis(2-Chloroethyl)ether	50	46.8	ug/L	94				62	103	
	2-Chlorophenol	50	50.9	ug/L	102				70	117	
	1,2-Dichlorobenzene	50	50.7	ug/L	101				72	102	
	1,3-Dichlorobenzene	50	48.8	ug/L	98				71	103	
	1,4-Dichlorobenzene	50	50	ug/L	100				76	103	
	Benzyl Alcohol	50	54.4	ug/L	109		*		36	93	
	2-Methylphenol	50	49.3	ug/L	99				69	109	
	2,2-oxybis(1-Chloropropane)	50	45.4	ug/L	91				52	103	
	Acetophenone	50	45	ug/L	90				60	104	
	3+4-Methylphenols	50	49.3	ug/L	99				67	106	
	N-Nitroso-di-n-propylamine	50	52.4	ug/L	105				57	107	
	Hexachloroethane	50	51.6	ug/L	103				76	118	
	Nitrobenzene	50	43.4	ug/L	87				58	106	
	Isophorone	50	48.6	ug/L	97				61	102	
	2-Nitrophenol	50	51.2	ug/L	102				70	115	
	2,4-Dimethylphenol	50	46.1	ug/L	92				67	130	
	bis(2-Chloroethoxy)methane	50	45.7	ug/L	91				58	109	
	2,4-Dichlorophenol	50	51.6	ug/L	103				66	115	
	1,2,4-Trichlorobenzene	50	50	ug/L	100				41	115	
	Benzoic acid	50	47.5	ug/L	95				10	125	
	Naphthalene	50	44.9	ug/L	90				64	107	
	4-Chloroaniline	50	8.2	ug/L	16				10	85	
	Hexachlorobutadiene	50	52.9	ug/L	106		*		69	101	
	Caprolactam	50	52.4	ug/L	105				58	128	
	4-Chloro-3-methylphenol	50	51.4	ug/L	103				65	114	
	2-Methylnaphthalene	50	46.4	ug/L	93				64	107	
	Hexachlorocyclopentadiene	100	100	ug/L	100				36	160	
	2,4,6-Trichlorophenol	50	50.3	ug/L	101				61	110	
	2,4,5-Trichlorophenol	50	46.8	ug/L	94				70	106	
	1,1-Biphenyl	50	44.6	ug/L	89				72	98	
	2-Chloronaphthalene	50	46.3	ug/L	93				59	106	
	2-Nitroaniline	50	44.2	ug/L	88				58	107	
	Dimethylphthalate	50	47.4	ug/L	95				64	103	
	Acenaphthylene	50	46.4	ug/L	93				65	108	
	2,6-Dinitrotoluene	50	49.6	ug/L	99				64	110	
	3-Nitroaniline	50	27	ug/L	54				28	100	
	Acenaphthene	50	44.3	ug/L	89				59	113	
	Total PAH	800	745.5	ug/L	93				59	113	
	2,4-Dinitrophenol	100	89.5	ug/L	90				64	132	
	4-Nitrophenol	100	78.6	ug/L	79				68	116	
	Dibenzofuran	50	44.5	ug/L	89				65	106	



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

SDG No.: BM080923

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB154728BS	2,4-Dinitrotoluene	50	47.1	ug/L	94				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	96.7	ug/L	97				60	115	
	Diethylphthalate	50	48.8	ug/L	98				63	105	
	4-Chlorophenyl-phenylether	50	48.3	ug/L	97				61	104	
	Fluorene	50	45.4	ug/L	91				64	107	
	4-Nitroaniline	50	37.7	ug/L	75				69	112	
	4,6-Dinitro-2-methylphenol	50	49.5	ug/L	99				62	132	
	N-Nitrosodiphenylamine	50	45.4	ug/L	91				61	109	
	Azobenzene	50	45.2	ug/L	90				59	106	
	4-Bromophenyl-phenylether	50	49	ug/L	98				73	103	
	Hexachlorobenzene	50	50.7	ug/L	101				73	106	
	Atrazine	50	63.7	ug/L	127		*		76	120	
	Pentachlorophenol	100	83.6	ug/L	84				47	114	
	Phenanthrene	50	44.9	ug/L	90				62	109	
	Anthracene	50	45.2	ug/L	90				65	110	
	Carbazole	50	43.2	ug/L	86				62	106	
	Di-n-butylphthalate	50	51.4	ug/L	103				64	106	
	Fluoranthene	50	42.5	ug/L	85				64	110	
	Benzidine	100	63.5	ug/L	64				10	94	
	Pyrene	50	56.5	ug/L	113		*		71	103	
	Butylbenzylphthalate	50	60.3	ug/L	121		*		61	105	
	3,3-Dichlorobenzidine	50	36.5	ug/L	73				43	108	
	Benzo(a)anthracene	50	48.1	ug/L	96				62	107	
	Chrysene	50	45.3	ug/L	91				61	108	
	bis(2-Ethylhexyl)phthalate	50	52.3	ug/L	105				59	110	
	Di-n-octyl phthalate	50	51.3	ug/L	103				67	126	
	Benzo(b)fluoranthene	50	49.6	ug/L	99				77	113	
	Benzo(k)fluoranthene	50	46.6	ug/L	93				64	113	
	Benzo(a)pyrene	50	44.5	ug/L	89				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.7	ug/L	95				72	105	
	Dibenz(a,h)anthracene	50	48.2	ug/L	96				78	115	
	Benzo(g,h,i)perylene	50	45.4	ug/L	91				75	118	
	1,2,4,5-Tetrachlorobenzene	50	47.2	ug/L	94				72	101	
	1,4-Dioxane	50	31.1	ug/L	62				38	125	
	2,3,4,6-Tetrachlorophenol	50	50.8	ug/L	102				63	116	
	1-Methylnaphthalene	50	47.6	ug/L	95				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154288BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM080923SAS No.: BM080923 SDG NO.: BM080923Lab File ID: BM041341.DLab Sample ID: PB154288BLInstrument ID: BNA_MDate Extracted: 07/19/2023Matrix: (soil/water) waterDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 13:47

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

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

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154728BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BM080923

SAS No.: BM080923

SDG NO.: BM080923

Lab File ID: BM041342.D

Lab Sample ID: PB154728BL

Instrument ID: BNA_M

Date Extracted: 08/09/2023

Matrix: (soil/water) water

Date Analyzed: 08/09/2023

Level: (low/med) LOW

Time Analyzed: 16:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154703TB	PB154703TB	BM041343.D	08/09/2023
PB154728BS	PB154728BS	BM041344.D	08/09/2023
FLY-ASH	O3905-02	BM041345.D	08/09/2023
TP-38	O3919-02	BM041346.D	08/09/2023
TP-38MS	O3919-02MS	BM041347.D	08/09/2023
TP-38MSD	O3919-02MSD	BM041348.D	08/09/2023
TP-36	O3919-05	BM041349.D	08/09/2023
WC-1	O3921-01	BM041350.D	08/09/2023
DAYTON-SOIL1	O3931-02	BM041351.D	08/09/2023
DAYTON-SOIL2	O3931-04	BM041352.D	08/09/2023

COMMENTS:

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3919-02MS	Client Sample ID:	TP-38MS					DataFile:	BM041347.D		
n-Nitrosodimethylamine	500		450	ug/L	90				10	130	
Pyridine	500		350	ug/L	70				10	109	
Benzaldehyde	500		270	ug/L	54				10	137	
Aniline	500		110	ug/L	22				10	130	
Phenol	500		460	ug/L	92				10	130	
bis(2-Chloroethyl)ether	500		520	ug/L	104				29	141	
2-Chlorophenol	500		540	ug/L	108				23	127	
1,2-Dichlorobenzene	500		550	ug/L	110				61	114	
1,3-Dichlorobenzene	500		520	ug/L	104				65	106	
1,4-Dichlorobenzene	500		540	ug/L	108				55	125	
Benzyl Alcohol	500		590	ug/L	118	*			31	94	
2-Methylphenol	500		510	ug/L	102				23	132	
2,2-oxybis(1-Chloropropane)	500		490	ug/L	98				36	141	
Acetophenone	500		510	ug/L	102				31	164	
3+4-Methylphenols	500		510	ug/L	102				17	136	
N-Nitroso-di-n-propylamine	500		580	ug/L	116				36	147	
Hexachloroethane	500		550	ug/L	110				35	137	
Nitrobenzene	500		490	ug/L	98				40	134	
Isophorone	500		550	ug/L	110				39	146	
2-Nitrophenol	500		570	ug/L	114				30	148	
2,4-Dimethylphenol	500		500	ug/L	100				17	143	
bis(2-Chloroethoxy)methane	500		510	ug/L	102				39	143	
2,4-Dichlorophenol	500		560	ug/L	112				22	146	
1,2,4-Trichlorobenzene	500		540	ug/L	108				66	110	
Benzoic acid	500		290	ug/L	58				10	101	
Naphthalene	500		500	ug/L	100				17	157	
4-Chloroaniline	500		56.3	ug/L	11				10	95	
Hexachlorobutadiene	500		570	ug/L	114				52	125	
Caprolactam	500		480	ug/L	96				10	130	
4-Chloro-3-methylphenol	500		560	ug/L	112				17	148	
2-Methylnaphthalene	500		510	ug/L	102				38	146	
Hexachlorocyclopentadiene	1000		1000	ug/L	100				20	153	
2,4,6-Trichlorophenol	500		570	ug/L	114				46	139	
2,4,5-Trichlorophenol	500		520	ug/L	104				42	129	
1,1-Biphenyl	500		520	ug/L	104				38	154	
2-Chloronaphthalene	500		540	ug/L	108				41	145	
2-Nitroaniline	500		500	ug/L	100				39	151	
Dimethylphthalate	500		540	ug/L	108				42	147	
Acenaphthylene	500		540	ug/L	108				40	141	
2,6-Dinitrotoluene	500		560	ug/L	112				43	148	
3-Nitroaniline	500		260	ug/L	52				10	111	
Acenaphthene	500		520	ug/L	104				37	146	
Total PAH	8000		8490	ug/L	106				37	146	
2,4-Dinitrophenol	1000		680	ug/L	68				14	167	
4-Nitrophenol	1000		730	ug/L	73				10	130	
Dibenzofuran	500		510	ug/L	102				41	145	
2,4-Dinitrotoluene	500		520	ug/L	104				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1080	ug/L	108				40	151	
Diethylphthalate	500		540	ug/L	108				41	148	
4-Chlorophenyl-phenylether	500		540	ug/L	108				38	149	
Fluorene	500		520	ug/L	104				39	144	
4-Nitroaniline	500		390	ug/L	78				27	138	
4,6-Dinitro-2-methylphenol	500		480	ug/L	96				32	175	
N-Nitrosodiphenylamine	500		540	ug/L	108				40	150	
Azobenzene	500		510	ug/L	102				72	112	
4-Bromophenyl-phenylether	500		580	ug/L	116				42	151	
Hexachlorobenzene	500		600	ug/L	120				60	129	
Atrazine	500		730	ug/L	146				20	162	
Pentachlorophenol	1000		920	ug/L	92				15	137	
Phenanthrene	500		520	ug/L	104				40	147	
Anthracene	500		530	ug/L	106				41	146	
Carbazole	500		500	ug/L	100				37	154	
Di-n-butylphthalate	500		580	ug/L	116				40	151	
Fluoranthene	500		500	ug/L	100				42	146	
Benzidine	1000		400	ug/L	40				10	130	
Pyrene	500		600	ug/L	120				41	149	
Butylbenzylphthalate	500		650	ug/L	130				39	155	
3,3-Dichlorobenzidine	500		340	ug/L	68				10	114	
Benzo(a)anthracene	500		550	ug/L	110				41	147	
Chrysene	500		530	ug/L	106				44	144	
bis(2-Ethylhexyl)phthalate	500		570	ug/L	114				33	160	
Di-n-octyl phthalate	500		610	ug/L	122				36	158	
Benzo(b)fluoranthene	500		550	ug/L	110				40	150	
Benzo(k)fluoranthene	500		520	ug/L	104				40	147	
Benzo(a)pyrene	500		500	ug/L	100				42	147	
Indeno(1,2,3-cd)pyrene	500		540	ug/L	108				30	166	
Dibenz(a,h)anthracene	500		540	ug/L	108				23	172	
Benzo(g,h,i)perylene	500		530	ug/L	106				27	167	
1,2,4,5-Tetrachlorobenzene	500		550	ug/L	110	*			89	102	
1,4-Dioxane	500		360	ug/L	72				38	130	
2,3,4,6-Tetrachlorophenol	500		560	ug/L	112	*			91	111	
1-Methylnaphthalene	500		530	ug/L	106				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3919-02MSD	Client Sample ID:	TP-38MSD					DataFile:	BM041348.D		
n-Nitrosodimethylamine	500		400	ug/L	80		12		10	130	20
Pyridine	500		310	ug/L	62		12		10	109	20
Benzaldehyde	500		240	ug/L	48		12		10	137	20
Aniline	500		100	ug/L	20		10		10	130	20
Phenol	500		410	ug/L	82		11		10	130	20
bis(2-Chloroethyl)ether	500		470	ug/L	94		10		29	141	20
2-Chlorophenol	500		480	ug/L	96		12		23	127	20
1,2-Dichlorobenzene	500		490	ug/L	98		12		61	114	20
1,3-Dichlorobenzene	500		480	ug/L	96		8		65	106	20
1,4-Dichlorobenzene	500		490	ug/L	98		10		55	125	20
Benzyl Alcohol	500		540	ug/L	108	*	9		31	94	20
2-Methylphenol	500		460	ug/L	92		10		23	132	20
2,2-oxybis(1-Chloropropane)	500		450	ug/L	90		9		36	141	20
Acetophenone	500		470	ug/L	94		8		31	164	20
3+4-Methylphenols	500		450	ug/L	90		13		17	136	20
N-Nitroso-di-n-propylamine	500		520	ug/L	104		11		36	147	20
Hexachloroethane	500		500	ug/L	100		10		35	137	20
Nitrobenzene	500		450	ug/L	90		9		40	134	20
Isophorone	500		510	ug/L	102		8		39	146	20
2-Nitrophenol	500		530	ug/L	106		7		30	148	20
2,4-Dimethylphenol	500		460	ug/L	92		8		17	143	20
bis(2-Chloroethoxy)methane	500		480	ug/L	96		6		39	143	20
2,4-Dichlorophenol	500		520	ug/L	104		7		22	146	20
1,2,4-Trichlorobenzene	500		520	ug/L	104		4		66	110	20
Benzoic acid	500		280	ug/L	56		4		10	101	20
Naphthalene	500		450	ug/L	90		11		17	157	20
4-Chloroaniline	500		56.1	ug/L	11		0		10	95	20
Hexachlorobutadiene	500		550	ug/L	110		4		52	125	20
Caprolactam	500		430	ug/L	86		11		10	130	20
4-Chloro-3-methylphenol	500		490	ug/L	98		13		17	148	20
2-Methylnaphthalene	500		470	ug/L	94		8		38	146	20
Hexachlorocyclopentadiene	1000		990	ug/L	99		1		20	153	20
2,4,6-Trichlorophenol	500		540	ug/L	108		5		46	139	20
2,4,5-Trichlorophenol	500		500	ug/L	100		4		42	129	20
1,1-Biphenyl	500		480	ug/L	96		8		38	154	20
2-Chloronaphthalene	500		500	ug/L	100		8		41	145	20
2-Nitroaniline	500		450	ug/L	90		11		39	151	20
Dimethylphthalate	500		500	ug/L	100		8		42	147	20
Acenaphthylene	500		490	ug/L	98		10		40	141	20
2,6-Dinitrotoluene	500		520	ug/L	104		7		43	148	20
3-Nitroaniline	500		240	ug/L	48		8		10	111	20
Acenaphthene	500		470	ug/L	94		10		37	146	20
Total PAH	8000		7830	ug/L	98		8		37	146	20
2,4-Dinitrophenol	1000		590	ug/L	59		14		14	167	20
4-Nitrophenol	1000		650	ug/L	65		12		10	130	20
Dibenzofuran	500		470	ug/L	94		8		41	145	20
2,4-Dinitrotoluene	500		480	ug/L	96		8		40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1000	ug/L	100		8		40	151	20
Diethylphthalate	500		490	ug/L	98		10		41	148	20
4-Chlorophenyl-phenylether	500		500	ug/L	100		8		38	149	20
Fluorene	500		470	ug/L	94		10		39	144	20
4-Nitroaniline	500		340	ug/L	68		14		27	138	20
4,6-Dinitro-2-methylphenol	500		430	ug/L	86		11		32	175	20
N-Nitrosodiphenylamine	500		490	ug/L	98		10		40	150	20
Azobenzene	500		460	ug/L	92		10		72	112	20
4-Bromophenyl-phenylether	500		540	ug/L	108		7		42	151	20
Hexachlorobenzene	500		560	ug/L	112		7		60	129	20
Atrazine	500		670	ug/L	134		9		20	162	20
Pentachlorophenol	1000		850	ug/L	85		8		15	137	20
Phenanthrene	500		470	ug/L	94		10		40	147	20
Anthracene	500		490	ug/L	98		8		41	146	20
Carbazole	500		450	ug/L	90		11		37	154	20
Di-n-butylphthalate	500		520	ug/L	104		11		40	151	20
Fluoranthene	500		450	ug/L	90		11		42	146	20
Benzidine	1000		370	ug/L	37		8		10	130	20
Pyrene	500		550	ug/L	110		9		41	149	20
Butylbenzylphthalate	500		590	ug/L	118		10		39	155	20
3,3-Dichlorobenzidine	500		330	ug/L	66		3		10	114	20
Benzo(a)anthracene	500		500	ug/L	100		10		41	147	20
Chrysene	500		480	ug/L	96		10		44	144	20
bis(2-Ethylhexyl)phthalate	500		520	ug/L	104		9		33	160	20
Di-n-octyl phthalate	500		540	ug/L	108		12		36	158	20
Benzo(b)fluoranthene	500		520	ug/L	104		6		40	150	20
Benzo(k)fluoranthene	500		480	ug/L	96		8		40	147	20
Benzo(a)pyrene	500		470	ug/L	94		6		42	147	20
Indeno(1,2,3-cd)pyrene	500		520	ug/L	104		4		30	166	20
Dibenz(a,h)anthracene	500		520	ug/L	104		4		23	172	20
Benzo(g,h,i)perylene	500		500	ug/L	100		6		27	167	20
1,2,4,5-Tetrachlorobenzene	500		520	ug/L	104	*	6		89	102	20
1,4-Dioxane	500		330	ug/L	66		9		38	130	20
2,3,4,6-Tetrachlorophenol	500		520	ug/L	104		7		91	111	20
1-Methylnaphthalene	500		480	ug/L	96		10		25	151	20



Surrogate Summary
SW-846

SDG No.: BM080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154288BL	PB154288BL	BM041341.D	2-Fluorophenol	150	137.18	91		10	139
			Phenol-d6	150	129.04	86		10	134
			Nitrobenzene-d5	100	86.49	86		49	133
			2-Fluorobiphenyl	100	88.55	89		52	132
			2,4,6-Tribromophenol	150	150.71	100		32	145
			Terphenyl-d14	100	121.56	122		36	145

Surrogate Summary

SW-846

SDG No.: BM080923

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3905-02	FLY-ASH	BM041345.D	2-Fluorophenol	150	97.97	65		10	139
			Phenol-d6	150	74.71	50		10	134
			Nitrobenzene-d5	100	73.65	74		49	133
			2-Fluorobiphenyl	100	75.05	75		52	132
			2,4,6-Tribromophenol	150	122.88	82		32	145
			Terphenyl-d14	100	91.20	91		36	145
O3919-02	TP-38	BM041346.D	2-Fluorophenol	150	121.41	81		10	139
			Phenol-d6	150	102.15	68		10	134
			Nitrobenzene-d5	100	86.20	86		49	133
			2-Fluorobiphenyl	100	87.75	88		52	132
			2,4,6-Tribromophenol	150	146.75	98		32	145
			Terphenyl-d14	100	116.79	117		36	145
O3919-02MS	TP-38MS	BM041347.D	2-Fluorophenol	150	121.93	81		10	139
			Phenol-d6	150	108.71	72		10	134
			Nitrobenzene-d5	100	85.89	86		49	133
			2-Fluorobiphenyl	100	89.12	89		52	132
			2,4,6-Tribromophenol	150	137.55	92		32	145
			Terphenyl-d14	100	108.23	108		36	145
O3919-02MSD	TP-38MSD	BM041348.D	2-Fluorophenol	150	108.82	73		10	139
			Phenol-d6	150	98.23	65		10	134
			Nitrobenzene-d5	100	79.69	80		49	133
			2-Fluorobiphenyl	100	81.89	82		52	132
			2,4,6-Tribromophenol	150	125.93	84		32	145
			Terphenyl-d14	100	98.45	98		36	145
O3919-05	TP-36	BM041349.D	2-Fluorophenol	150	111.56	74		10	139
			Phenol-d6	150	95.86	64		10	134
			Nitrobenzene-d5	100	80.35	80		49	133
			2-Fluorobiphenyl	100	80.71	81		52	132
			2,4,6-Tribromophenol	150	138.42	92		32	145
			Terphenyl-d14	100	108.18	108		36	145
O3921-01	WC-1	BM041350.D	2-Fluorophenol	150	119.53	80		10	139
			Phenol-d6	150	100.27	67		10	134
			Nitrobenzene-d5	100	83.58	84		49	133
			2-Fluorobiphenyl	100	83.10	83		52	132
			2,4,6-Tribromophenol	150	138.98	93		32	145
			Terphenyl-d14	100	107.70	108		36	145
O3931-02	DAYTON-SOIL1	BM041351.D	2-Fluorophenol	150	115.52	77		10	139
			Phenol-d6	150	94.68	63		10	134
			Nitrobenzene-d5	100	83.65	84		49	133
			2-Fluorobiphenyl	100	84.40	84		52	132
			2,4,6-Tribromophenol	150	139.16	93		32	145
			Terphenyl-d14	100	103.68	104		36	145
O3931-04	DAYTON-SOIL2	BM041352.D	2-Fluorophenol	150	109.74	73		10	139
			Phenol-d6	150	93.74	62		10	134
			Nitrobenzene-d5	100	79.45	79		49	133
			2-Fluorobiphenyl	100	78.97	79		52	132
			2,4,6-Tribromophenol	150	133.96	89		32	145
			Terphenyl-d14	100	103.13	103		36	145
PB154703TB	PB154703TB	BM041343.D	2-Fluorophenol	150	131.28	88		10	139
			Phenol-d6	150	120.63	80		10	134
			Nitrobenzene-d5	100	83.11	83		49	133



Surrogate Summary
SW-846

SDG No.: BM080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154703TB	PB154703TB	BM041343.D	2-Fluorobiphenyl	100	85.62	86		52	132
			2,4,6-Tribromophenol	150	137.09	91		32	145
			Terphenyl-d14	100	121.59	122		36	145
PB154728BL	PB154728BL	BM041342.D	2-Fluorophenol	150	137.96	92		10	139
			Phenol-d6	150	125.42	84		10	134
			Nitrobenzene-d5	100	87.85	88		49	133
			2-Fluorobiphenyl	100	91.14	91		52	132
			2,4,6-Tribromophenol	150	146.65	98		32	145
			Terphenyl-d14	100	113.36	113		36	145
PB154728BS	PB154728BS	BM041344.D	2-Fluorophenol	150	130.95	87		10	139
			Phenol-d6	150	128.68	86		10	134
			Nitrobenzene-d5	100	82.81	83		49	133
			2-Fluorobiphenyl	100	83.78	84		52	132
			2,4,6-Tribromophenol	150	139.36	93		32	145
			Terphenyl-d14	100	115.12	115		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM080923Lab Code: CHEMSAS No.: BM080923 SDG NO.: BM080923Lab File ID: BM041339.DDFTPP Injection Date: 08/09/2023Instrument ID: BNA_MDFTPP Injection Time: 12:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.7
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	38.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	43.6
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84.9
443	15.0 - 24.0% of mass 442	16.6 (19.6) 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	BM041340.D	08/09/2023	13:10
PB154288BL	PB154288BL	BM041341.D	08/09/2023	13:47
PB154728BL	PB154728BL	BM041342.D	08/09/2023	16:38
PB154703TB	PB154703TB	BM041343.D	08/09/2023	17:16
PB154728BS	PB154728BS	BM041344.D	08/09/2023	17:53
FLY-ASH	O3905-02	BM041345.D	08/09/2023	18:31
TP-38	O3919-02	BM041346.D	08/09/2023	19:09
TP-38MS	O3919-02MS	BM041347.D	08/09/2023	19:47
TP-38MSD	O3919-02MSD	BM041348.D	08/09/2023	20:24
TP-36	O3919-05	BM041349.D	08/09/2023	21:02
WC-1	O3921-01	BM041350.D	08/09/2023	21:39
DAYTON-SOIL1	O3931-02	BM041351.D	08/09/2023	22:16
DAYTON-SOIL2	O3931-04	BM041352.D	08/09/2023	22:53