

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG No.: BM031324

Instrument ID: BNA_M Calibration Date/Time: 3/13/2024 1:16:09

Lab File ID: BM044599.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.649	0.663		2.157	
Pyridine	1.619	1.646		1.668	
2-Fluorophenol	1.393	1.411		1.292	
Benzaldehyde	0.939	0.942		0.319	
Aniline	2.122	2.168		2.168	
Phenol-d6	1.792	1.832		2.232	
Phenol	1.790	1.828		2.123	20.0
bis(2-Chloroethyl)ether	1.461	1.479		1.232	
2-Chlorophenol	1.387	1.411		1.73	
1,2-Dichlorobenzene	1.434	1.439		0.349	
1,3-Dichlorobenzene	1.492	1.491		-0.067	
1,4-Dichlorobenzene	1.504	1.512		0.532	20.0
Benzyl Alcohol	1.178	1.231		4.499	
2-Methylphenol	1.221	1.263		3.44	
2,2-oxybis(1-Chloropropane)	2.026	2.049		1.135	
Acetophenone	0.525	0.537		2.286	
3+4-Methylphenols	1.647	1.714		4.068	
n-Nitroso-di-n-propylamine	1.094	1.144	0.050	4.57	
Nitrobenzene-d5	0.415	0.427		2.892	
Hexachloroethane	0.556	0.562		1.079	
Nitrobenzene	0.410	0.421		2.683	
Isophorone	0.716	0.748		4.469	
2-Nitrophenol	0.177	0.188		6.215	20.0
2,4-Dimethylphenol	0.311	0.322		3.537	
bis(2-Chloroethoxy)methane	0.476	0.490		2.941	
2,4-Dichlorophenol	0.297	0.310		4.377	20.0
1,2,4-Trichlorobenzene	0.316	0.317		0.316	
Benzoic acid	0.231	0.242		4.762	
Naphthalene	1.098	1.113		1.366	
4-Chloroaniline	0.460	0.476		3.478	
Hexachlorobutadiene	0.176	0.177		0.568	20.0
Caprolactam	0.096	0.103		7.292	
4-Chloro-3-methylphenol	0.326	0.340		4.294	20.0
2-Methylnaphthalene	0.745	0.760		2.013	
Hexachlorocyclopentadiene	0.323	0.334	0.050	3.406	
2,4,6-Trichlorophenol	0.383	0.403		5.222	20.0
2-Fluorobiphenyl	1.452	1.463		0.758	
2,4,5-Trichlorophenol	0.454	0.469		3.304	
1,1-Biphenyl	1.564	1.586		1.407	
2-Chloronaphthalene	1.157	1.172		1.296	
2-Nitroaniline	0.392	0.421		7.398	



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EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.496	1.533		2.473	
Acenaphthylene	1.884	1.938		2.866	
2,6-Dinitrotoluene	0.312	0.324		3.846	
3-Nitroaniline	0.365	0.384		5.205	
Acenaphthene	1.139	1.162		2.019	20.0
2,4-Dinitrophenol	0.180	0.188	0.050	4.444	
4-Nitrophenol	0.300	0.309	0.050	3.0	
Dibenzofuran	1.808	1.842		1.881	
2,4-Dinitrotoluene	0.407	0.436		7.125	
Diethylphthalate	1.514	1.557		2.84	
4-Chlorophenyl-phenylether	0.676	0.685		1.331	
Fluorene	1.408	1.437		2.06	
4-Nitroaniline	0.364	0.395		8.516	
4,6-Dinitro-2-methylphenol	0.125	0.130		4.0	
n-Nitrosodiphenylamine	0.623	0.641		2.889	20.0
Azobenzene	1.565	1.638		4.665	
2,4,6-Tribromophenol	0.221	0.228		3.167	
4-Bromophenyl-phenylether	0.207	0.211		1.932	
Hexachlorobenzene	0.220	0.222		0.909	
Atrazine	0.195	0.200		2.564	
Pentachlorophenol	0.158	0.168		6.329	20.0
Phenanthrene	1.105	1.118		1.176	
Anthracene	1.109	1.141		2.885	
Carbazole	1.044	1.078		3.257	
Di-n-butylphthalate	1.345	1.414		5.13	
Fluoranthene	1.236	1.260		1.942	20.0
Benzidine	0.517	0.576		11.412	
Pyrene	1.466	1.539		4.98	
Terphenyl-d14	1.143	1.202		5.162	
Butylbenzylphthalate	0.661	0.722		9.228	
3,3-Dichlorobenzidine	0.479	0.519		8.351	
Benzo (a) anthracene	1.392	1.429		2.658	
Chrysene	1.330	1.377		3.534	
Bis (2-ethylhexyl) phthalate	0.995	1.107		11.256	
Di-n-octyl phthalate	1.726	1.900		10.081	20.0
Benzo (b) fluoranthene	1.175	1.207		2.723	
Benzo (k) fluoranthene	1.208	1.226		1.49	
Benzo (a) pyrene	1.146	1.179		2.88	20.0
Indeno (1,2,3-cd) pyrene	1.446	1.477		2.144	
Dibenzo (a,h) anthracene	1.219	1.246		2.215	
Benzo (g,h,i) perylene	1.200	1.211		0.917	



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Instrument ID: BNA_M Calibration Date/Time: 3/13/2024 1:16:09

Lab File ID: BM044599.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 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	0.568	0.570		0.352	
1,4-Dioxane	0.586	0.579		-1.195	20.0
2,3,4,6-Tetrachlorophenol	0.353	0.360		1.983	
1-Methylnaphthalene	0.694	0.708		2.017	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM031324			SDG No.:	BM031324		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	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
BM044603.D	1		3/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38700		1000	8000	10000	ug/L
110-86-1	Pyridine	35500		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	37800		4000	8000	10000	ug/L
62-53-3	Aniline	39900		1600	4000	5000	ug/L
108-95-2	Phenol	41200		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	41000		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	42100		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	43000		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	42900		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	43100		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	41700		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39000		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40700		1400	4000	5000	ug/L
98-86-2	Acetophenone	41500		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39300		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40800		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	43500		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39100		1300	4000	5000	ug/L
78-59-1	Isophorone	42000		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	42800		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	35300		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40100		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	42000		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	41600		1100	4000	5000	ug/L
65-85-0	Benzoic acid	39100		5500	8000	10000	ug/L
91-20-3	Naphthalene	39800		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39300		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	41300		1300	4000	5000	ug/L
105-60-2	Caprolactam	42000		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	40800		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	38200		1100	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM031324			SDG No.:	BM031324		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	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
BM044603.D	1		3/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	42600		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	41300		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	37700		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40700		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	41500		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	39600		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	38700		930	4000	5000	ug/L
208-96-8	Acenaphthylene	42100		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	40300		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	40500		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39200		810	4000	5000	ug/L
Total PAH	Total PAH	640500		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	39500		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	41200		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	38800		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	40800		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81100		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38700		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38100		980	4000	5000	ug/L
86-73-7	Fluorene	39100		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	41100		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	38600		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39800		890	4000	5000	ug/L
103-33-3	Azobenzene	38600		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39000		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	42800		1100	4000	5000	ug/L
1912-24-9	Atrazine	39700		1300	4000	5000	ug/L
87-86-5	Pentachlorophenol	37600		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39900		890	4000	5000	ug/L
120-12-7	Anthracene	40300		1100	4000	5000	ug/L
86-74-8	Carbazole	40600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	41000		1500	4000	5000	ug/L
206-44-0	Fluoranthene	39700		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM031324			SDG No.:	BM031324		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	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
BM044603.D	1		3/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	47800		4100	8000	10000	ug/L
129-00-0	Pyrene	40600		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	42300		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	43500		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40500		940	4000	5000	ug/L
218-01-9	Chrysene	38800		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42200		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	42900		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	42400		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38600		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	38200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40800		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	40700		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39800		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41000		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38600		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	39900		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39700		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77710	*	10-139		51807	SPK: -150
13127-88-3	Phenol-d6	75143	*	10-134		50095	SPK: -150
4165-60-0	Nitrobenzene-d5	73434	*	49-133		73434	SPK: -100
321-60-8	2-Fluorobiphenyl	72563	*	52-132		72563	SPK: -100
118-79-6	2,4,6-Tribromophenol	79416	*	32-145		52944	SPK: -150
1718-51-0	Terphenyl-d14	75267	*	36-145		75267	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	229344	7.704				
1146-65-2	Naphthalene-d8	924510	10.481				
15067-26-2	Acenaphthene-d10	529080	14.351				
1517-22-2	Phenanthrene-d10	1012509	17.104				
1719-03-5	Chrysene-d12	875627	21.297				
1520-96-3	Perylene-d12	1015451	23.55				



Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBM031324	SDG No.:	BM031324
Lab Sample ID:	SSTDICV040	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Final Vol:	1000000 uL
Units:	mL	Test:	
Soil Aliquot Vol:	uL	Level :	LOW
Extraction Type :		Decanted :	
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044603.D	1		3/13/2024 12:00:00 AM	

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

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159533BL	SDG No.:	BM031324
Lab Sample ID:	PB159533BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044604.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159533

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

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159533BL	SDG No.:	BM031324
Lab Sample ID:	PB159533BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044604.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159533BL	SDG No.:	BM031324
Lab Sample ID:	PB159533BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044604.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.639		18-112		84	SPK: -150
13127-88-3	Phenol-d6	118.471		15-107		79	SPK: -150
4165-60-0	Nitrobenzene-d5	81.561		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	83.826		20-109		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	121.153		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	85.828		14-112		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	228640	7.704				
1146-65-2	Naphthalene-d8	851314	10.48				
15067-26-2	Acenaphthene-d10	455814	14.345				
1517-22-2	Phenanthrene-d10	844279	17.104				
1719-03-5	Chrysene-d12	692926	21.297				
1520-96-3	Perylene-d12	841382	23.544				



Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159533BL	SDG No.:	BM031324
Lab Sample ID:	PB159533BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044604.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159533

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

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BS	SDG No.:	BM031324
Lab Sample ID:	PB159537BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM044605.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.3		1	8	10	ug/L
110-86-1	Pyridine	35.6		1.6	4	5	ug/L
100-52-7	Benzaldehyde	18.6		4	8	10	ug/L
62-53-3	Aniline	25.2		1.6	4	5	ug/L
108-95-2	Phenol	47.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	48.6		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	48.7		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.4		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.7		1.4	4	5	ug/L
98-86-2	Acetophenone	47.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	44		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.9		1.5	4	5	ug/L
67-72-1	Hexachloroethane	49.3		1	4	5	ug/L
98-95-3	Nitrobenzene	45.3		1.3	4	5	ug/L
78-59-1	Isophorone	46.5		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	49.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	43.2		5.5	8	10	ug/L
91-20-3	Naphthalene	46.2		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.1		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.6		1.3	4	5	ug/L
105-60-2	Caprolactam	44		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	44.1		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BS	SDG No.:	BM031324
Lab Sample ID:	PB159537BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM044605.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	48.4		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	49.5		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	45.5		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	49.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.8		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	24.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	45.8		0.81	4	5	ug/L
Total PAH	Total PAH	777		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	87	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	92	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45.1		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	42.9		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	47.1		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.4		0.98	4	5	ug/L
86-73-7	Fluorene	45		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	41.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	49		0.89	4	5	ug/L
103-33-3	Azobenzene	46		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.8		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	52.2		1.1	4	5	ug/L
1912-24-9	Atrazine	49		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	97.9	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	47.5		0.89	4	5	ug/L
120-12-7	Anthracene	47.9		1.1	4	5	ug/L
86-74-8	Carbazole	47.4		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.7		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.6		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BS	SDG No.:	BM031324
Lab Sample ID:	PB159537BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM044605.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	53.5		4.1	8	10	ug/L
129-00-0	Pyrene	49.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	49.1		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	38.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	48		0.94	4	5	ug/L
218-01-9	Chrysene	47.8		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.2		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.3		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.1		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	52.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.2		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.9		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	38.3		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	92.413		60-140		92	SPK: -100
13127-88-3	Phenol-d6	87.479		60-140		87	SPK: -100
4165-60-0	Nitrobenzene-d5	85.299		60-140		85	SPK: -100
321-60-8	2-Fluorobiphenyl	88.594		60-140		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	88.699		60-140		89	SPK: -100
1718-51-0	Terphenyl-d14	91.835		60-140		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	219894	7.704				
1146-65-2	Naphthalene-d8	845308	10.48				
15067-26-2	Acenaphthene-d10	448734	14.345				
1517-22-2	Phenanthrene-d10	794940	17.104				
1719-03-5	Chrysene-d12	636947	21.297				
1520-96-3	Perylene-d12	772733	23.544				



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

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BS	SDG No.:	BM031324
Lab Sample ID:	PB159537BS	Matrix:	Water
Analytical Method:	625.1	% 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
BM044605.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene	43.7					

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BSD	SDG No.:	BM031324
Lab Sample ID:	PB159537BSD	Matrix:	Water
Analytical Method:	625.1	% 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
BM044606.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.7		1	8	10	ug/L
110-86-1	Pyridine	35.6		1.6	4	5	ug/L
100-52-7	Benzaldehyde	18.6		4	8	10	ug/L
62-53-3	Aniline	24.8		1.6	4	5	ug/L
108-95-2	Phenol	48		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.7		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	49.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.9		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	49		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.8		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.2		1.4	4	5	ug/L
98-86-2	Acetophenone	46.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	44		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.2		1.5	4	5	ug/L
67-72-1	Hexachloroethane	49.9		1	4	5	ug/L
98-95-3	Nitrobenzene	44.9		1.3	4	5	ug/L
78-59-1	Isophorone	46.5		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	49.9		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.5		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.6		1.1	4	5	ug/L
65-85-0	Benzoic acid	43.3		5.5	8	10	ug/L
91-20-3	Naphthalene	46		1	4	5	ug/L
106-47-8	4-Chloroaniline	13.5		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.3		1.3	4	5	ug/L
105-60-2	Caprolactam	44.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.6		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BSD	SDG No.:	BM031324
Lab Sample ID:	PB159537BSD	Matrix:	Water
Analytical Method:	625.1	% 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
BM044606.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.4		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.8		1	4	5	ug/L
92-52-4	1,1-Biphenyl	47.5		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	49.2		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	44.8		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	49.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.5		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	23.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	45.4		0.81	4	5	ug/L
Total PAH	Total PAH	771		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	87.6	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	90.8	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.7		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	46.3		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	91.8		2.7	4	10	ug/L
84-66-2	Diethylphthalate	43.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.1		0.98	4	5	ug/L
86-73-7	Fluorene	44.3		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	41.2		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	48.8		0.89	4	5	ug/L
103-33-3	Azobenzene	45.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.6		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	52.2		1.1	4	5	ug/L
1912-24-9	Atrazine	48.8		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	96.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	47		0.89	4	5	ug/L
120-12-7	Anthracene	47.4		1.1	4	5	ug/L
86-74-8	Carbazole	46.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BSD	SDG No.:	BM031324
Lab Sample ID:	PB159537BSD	Matrix:	Water
Analytical Method:	625.1	% 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
BM044606.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	54.9		4.1	8	10	ug/L
129-00-0	Pyrene	49.1		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	49.3		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	39.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	48.1		0.94	4	5	ug/L
218-01-9	Chrysene	47.8		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.8		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.9		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	53.9		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.7		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	52		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.3		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.9		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	38.9		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	92.688		60-140		93	SPK: -100
13127-88-3	Phenol-d6	87.095		60-140		87	SPK: -100
4165-60-0	Nitrobenzene-d5	84.283		60-140		84	SPK: -100
321-60-8	2-Fluorobiphenyl	87.425		60-140		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	87.407		60-140		87	SPK: -100
1718-51-0	Terphenyl-d14	90.708		60-140		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	232575	7.704				
1146-65-2	Naphthalene-d8	900664	10.481				
15067-26-2	Acenaphthene-d10	477729	14.345				
1517-22-2	Phenanthrene-d10	839398	17.104				
1719-03-5	Chrysene-d12	664856	21.298				
1520-96-3	Perylene-d12	798921	23.544				



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

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BSD	SDG No.:	BM031324
Lab Sample ID:	PB159537BSD	Matrix:	Water
Analytical Method:	625.1	% 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
BM044606.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene	43.3					

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BL	SDG No.:	BM031324
Lab Sample ID:	PB159537BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM044607.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4	5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BL	SDG No.:	BM031324
Lab Sample ID:	PB159537BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM044607.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BL	SDG No.:	BM031324
Lab Sample ID:	PB159537BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM044607.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	29.596	*	60-140		30	SPK: -100
13127-88-3	Phenol-d6	16.423	*	60-140		16	SPK: -100
4165-60-0	Nitrobenzene-d5	67.306		60-140		67	SPK: -100
321-60-8	2-Fluorobiphenyl	67.316		60-140		67	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.563		60-140		73	SPK: -100
1718-51-0	Terphenyl-d14	63.467		60-140		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	277833	7.704				
1146-65-2	Naphthalene-d8	1023220	10.51				
15067-26-2	Acenaphthene-d10	591769	14.351				
1517-22-2	Phenanthrene-d10	1096341	17.104				
1719-03-5	Chrysene-d12	856326	21.303				
1520-96-3	Perylene-d12	1047588	23.55				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	PB159537BL	SDG No.:	BM031324
Lab Sample ID:	PB159537BL	Matrix:	Water
Analytical Method:	625.1	% 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
BM044607.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000149-57-5	Hexanoic acid, 2-ethyl-	220	J			9.316	
000124-07-2	Octanoic acid	460	J			10.21	
000334-48-5	n-Decanoic acid	430	J			12.828	
000143-07-7	Dodecanoic acid	1600	J			15.051	
036400-98-3	1-Octanol, 5,7,7-trimethyl-2-(1,3,	140	J			16.286	
959010-23-2	Trifluoroacetic acid, pentadecyl e	250	J			16.333	
1000382-54-8	Carbonic acid, dodecyl vinyl ester	170	J			16.386	
000544-63-8	Tetradecanoic acid	290	J			16.586	
000057-10-3	n-Hexadecanoic acid	96.6	J			18.027	
000624-24-8	Methyl valerate	130	J			18.504	
057817-78-4	Oxazolidine, 3-ethyl-2,2-dimethyl-	83.7	J			18.562	
1000383-13-6	Carbonic acid, 2-ethylhexyl nonyl	56.7	J			18.951	
	unknown20.892	82.4	J			20.892	
303194-86-7	4-Hydrazono-5-hydroxyimino-4,5,6,7	240	J			22.974	
000295-17-0	Cyclotetradecane	74.3	J			23.297	
000538-23-8	Glycerol tricaprylate	68.3	J			24.291	
002425-77-6	1-Decanol, 2-hexyl-	94.2	J			24.797	
1000368-55-2	2-Octyldodecyl butyrate	63.9	J			26.674	
	unknown27.703	140	J			27.703	
1000155-85-3	Cyclohexadecane, 1,2-diethyl-	54.9	J			28.979	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM031324
Lab Sample ID:	P1723-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044608.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.3	10.4	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.2	5.2	ug/L
100-52-7	Benzaldehyde	4.2	U	4.2	8.3	10.4	ug/L
62-53-3	Aniline	1.7	U	1.7	4.2	5.2	ug/L
108-95-2	Phenol	0.97	U	0.97	4.2	5.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.2	5.2	ug/L
95-57-8	2-Chlorophenol	0.74	U	0.74	4.2	5.2	ug/L
95-50-1	1,2-Dichlorobenzene	0.92	U	0.92	4.2	5.2	ug/L
541-73-1	1,3-Dichlorobenzene	0.83	U	0.83	4.2	5.2	ug/L
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	4.2	5.2	ug/L
100-51-6	Benzyl Alcohol	1.7	U	1.7	8.3	10.4	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.2	5.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.2	5.2	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4.2	5.2	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.3	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4.2	5.2	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	4.2	5.2	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.2	5.2	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.2	5.2	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.2	5.2	ug/L
105-67-9	2,4-Dimethylphenol	1.6	U	1.6	4.2	5.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.1	U	1.1	4.2	5.2	ug/L
120-83-2	2,4-Dichlorophenol	0.92	U	0.92	4.2	5.2	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.2	5.2	ug/L
65-85-0	Benzoic acid	5.7	U	5.7	8.3	10.4	ug/L
91-20-3	Naphthalene	1.1	U	1.1	4.2	5.2	ug/L
106-47-8	4-Chloroaniline	1.4	U	1.4	4.2	5.2	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.2	5.2	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8.3	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.88	U	0.88	4.2	5.2	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.2	5.2	ug/L

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM031324
Lab Sample ID:	P1723-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	960	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
BM044608.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.2	U	5.2	8.3	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	4.2	5.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1.1	U	1.1	4.2	5.2	ug/L
92-52-4	1,1-Biphenyl	0.95	U	0.95	4.2	5.2	ug/L
91-58-7	2-Chloronaphthalene	1	U	1	4.2	5.2	ug/L
88-74-4	2-Nitroaniline	1.5	U	1.5	4.2	5.2	ug/L
131-11-3	Dimethylphthalate	0.97	U	0.97	4.2	5.2	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.2	5.2	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.2	5.2	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.2	5.2	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	4.2	5.2	ug/L
Total PAH	Total PAH	17.95	U	17.95	4.2	83.2	ug/L
51-28-5	2,4-Dinitrophenol	6.7	U	6.7	8.3	10.4	ug/L
100-02-7	4-Nitrophenol	2.1	U	2.1	8.3	10.4	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	4.2	5.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.2	5.2	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.2	10.4	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4.2	5.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.2	5.2	ug/L
86-73-7	Fluorene	1	U	1	4.2	5.2	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.2	5.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.2	U	3.2	8.3	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.93	U	0.93	4.2	5.2	ug/L
103-33-3	Azobenzene	1.3	U	1.3	4.2	5.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.99	U	0.99	4.2	5.2	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.2	5.2	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.2	5.2	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8.3	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	4.2	5.2	ug/L
120-12-7	Anthracene	1.1	U	1.1	4.2	5.2	ug/L
86-74-8	Carbazole	1.2	U	1.2	4.2	5.2	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.2	5.2	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4.2	5.2	ug/L

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM031324
Lab Sample ID:	P1723-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044608.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.2	U	4.2	8.3	10.4	ug/L
129-00-0	Pyrene	1.1	U	1.1	4.2	5.2	ug/L
85-68-7	Butylbenzylphthalate	2.2	U	2.2	4.2	5.2	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.3	10.4	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	4.2	5.2	ug/L
218-01-9	Chrysene	0.9	U	0.9	4.2	5.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2	U	2	4.2	5.2	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.3	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.2	5.2	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.2	5.2	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.2	5.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U	1.1	4.2	5.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.2	5.2	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.2	5.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.2	5.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.82	U	0.82	4.2	5.2	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.2	5.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	86.516		60-140		87	SPK: -100
13127-88-3	Phenol-d6	81.325		60-140		81	SPK: -100
4165-60-0	Nitrobenzene-d5	78.32		60-140		78	SPK: -100
321-60-8	2-Fluorobiphenyl	79.709		60-140		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.424		60-140		84	SPK: -100
1718-51-0	Terphenyl-d14	77.308		60-140		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	210199	7.704				
1146-65-2	Naphthalene-d8	810316	10.48				
15067-26-2	Acenaphthene-d10	450922	14.345				
1517-22-2	Phenanthrene-d10	842955	17.098				
1719-03-5	Chrysene-d12	765531	21.297				
1520-96-3	Perylene-d12	951803	23.544				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM031324
Lab Sample ID:	P1723-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044608.D	1	3/11/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000108-88-3	Toluene	4.4	J			3.963	
000763-93-9	3-Hexen-2-one	4	J			4.281	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	27.9	A			4.869	
000112-80-1	Oleic Acid	2.2	J			19.227	
	unknown21.785	8.9	J			21.785	
	unknown21.839	22.6	J			21.839	
	1-Methylnaphthalene		U				

Hit Summary Sheet

SW-846

SDG No.: BM031324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFF-WW								
P1723-02	EFF-WW	Water	2-Pentanone, 4-hydroxy-4-methyl *	27.900	A			
P1723-02	EFF-WW	Water	3-Hexen-2-one *	4.000	J			
P1723-02	EFF-WW	Water	Oleic Acid *	2.200	J			
P1723-02	EFF-WW	Water	Toluene *	4.400	J			
P1723-02	EFF-WW	Water	unknown21.785 *	8.900	J			
P1723-02	EFF-WW	Water	unknown21.839 *	22.600	J			
			Total Tics :			70.00		
			Total Concentration:			70.00		
Client ID : ICVBM031324								
SSTDICV040	ICVBM031324	Water	1,1-Biphenyl	40,700.000		910	5000	ug/L
SSTDICV040	ICVBM031324	Water	1,2,4,5-Tetrachlorobenzene	41,000.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	1,2,4-Trichlorobenzene	41,600.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	1,2-Dichlorobenzene	43,000.000		880	5000	ug/L
SSTDICV040	ICVBM031324	Water	1,3-Dichlorobenzene	42,900.000		800	5000	ug/L
SSTDICV040	ICVBM031324	Water	1,4-Dichlorobenzene	43,100.000		840	5000	ug/L
SSTDICV040	ICVBM031324	Water	1,4-Dioxane	38,600.000		1300	5000	ug/L
SSTDICV040	ICVBM031324	Water	1-Methylnaphthalene	39,700.000		860	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,2-oxybis(1-Chloropropane)	40,700.000		1400	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,3,4,6-Tetrachlorophenol	39,900.000		790	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,4,5-Trichlorophenol	37,700.000		1000	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,4,6-Trichlorophenol	41,300.000		890	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,4-Dichlorophenol	42,000.000		880	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,4-Dimethylphenol	35,300.000		1500	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,4-Dinitrophenol	39,500.000		6400	10000	ug/L
SSTDICV040	ICVBM031324	Water	2,4-Dinitrotoluene	40,800.000		1500	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,6-Dinitrotoluene	40,300.000		1200	5000	ug/L
SSTDICV040	ICVBM031324	Water	2-Chloronaphthalene	41,500.000		970	5000	ug/L
SSTDICV040	ICVBM031324	Water	2-Chlorophenol	42,100.000		710	5000	ug/L
SSTDICV040	ICVBM031324	Water	2-Methylnaphthalene	38,200.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	2-Methylphenol	39,000.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	2-Nitroaniline	39,600.000		1400	5000	ug/L
SSTDICV040	ICVBM031324	Water	2-Nitrophenol	42,800.000		2000	5000	ug/L
SSTDICV040	ICVBM031324	Water	3+4-Methylphenols	39,300.000		1200	10000	ug/L
SSTDICV040	ICVBM031324	Water	3,3-Dichlorobenzidine	43,500.000		1300	10000	ug/L
SSTDICV040	ICVBM031324	Water	3-Nitroaniline	40,500.000		1400	5000	ug/L
SSTDICV040	ICVBM031324	Water	4,6-Dinitro-2-methylphenol	38,600.000		3100	10000	ug/L
SSTDICV040	ICVBM031324	Water	4-Bromophenyl-phenylether	39,000.000		950	5000	ug/L
SSTDICV040	ICVBM031324	Water	4-Chloro-3-methylphenol	40,800.000		840	5000	ug/L
SSTDICV040	ICVBM031324	Water	4-Chloroaniline	39,300.000		1300	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BM031324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM031324	Water	4-Chlorophenyl-phenylether	38,100.000		980	5000	ug/L
SSTDICV040	ICVBM031324	Water	4-Nitroaniline	41,100.000		2000	5000	ug/L
SSTDICV040	ICVBM031324	Water	4-Nitrophenol	41,200.000		2000	10000	ug/L
SSTDICV040	ICVBM031324	Water	Acenaphthene	39,200.000		810	5000	ug/L
SSTDICV040	ICVBM031324	Water	Acenaphthylene	42,100.000		1000	5000	ug/L
SSTDICV040	ICVBM031324	Water	Acetophenone	41,500.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	Aniline	39,900.000		1600	5000	ug/L
SSTDICV040	ICVBM031324	Water	Anthracene	40,300.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	Atrazine	39,700.000		1300	5000	ug/L
SSTDICV040	ICVBM031324	Water	Azobenzene	38,600.000		1200	5000	ug/L
SSTDICV040	ICVBM031324	Water	Benzaldehyde	37,800.000		4000	10000	ug/L
SSTDICV040	ICVBM031324	Water	Benzidine	47,800.000		4100	10000	ug/L
SSTDICV040	ICVBM031324	Water	Benzo(a)anthracene	40,500.000		940	5000	ug/L
SSTDICV040	ICVBM031324	Water	Benzo(a)pyrene	38,200.000		1700	5000	ug/L
SSTDICV040	ICVBM031324	Water	Benzo(b)fluoranthene	42,400.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	Benzo(g,h,i)perylene	39,800.000		1200	5000	ug/L
SSTDICV040	ICVBM031324	Water	Benzo(k)fluoranthene	38,600.000		1200	5000	ug/L
SSTDICV040	ICVBM031324	Water	Benzoic acid	39,100.000		5500	10000	ug/L
SSTDICV040	ICVBM031324	Water	Benzyl Alcohol	41,700.000		1600	10000	ug/L
SSTDICV040	ICVBM031324	Water	bis(2-Chloroethoxy)methane	40,100.000		1000	5000	ug/L
SSTDICV040	ICVBM031324	Water	bis(2-Chloroethyl)ether	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBM031324	Water	Bis(2-ethylhexyl)phthalate	42,200.000		1900	5000	ug/L
SSTDICV040	ICVBM031324	Water	Butylbenzylphthalate	42,300.000		2100	5000	ug/L
SSTDICV040	ICVBM031324	Water	Caprolactam	42,000.000		1700	10000	ug/L
SSTDICV040	ICVBM031324	Water	Carbazole	40,600.000		1200	5000	ug/L
SSTDICV040	ICVBM031324	Water	Chrysene	38,800.000		860	5000	ug/L
SSTDICV040	ICVBM031324	Water	Di-n-butylphthalate	41,000.000		1500	5000	ug/L
SSTDICV040	ICVBM031324	Water	Di-n-octyl phthalate	42,900.000		2500	10000	ug/L
SSTDICV040	ICVBM031324	Water	Dibenzo(a,h)anthracene	40,700.000		1200	5000	ug/L
SSTDICV040	ICVBM031324	Water	Dibenzofuran	38,800.000		930	5000	ug/L
SSTDICV040	ICVBM031324	Water	Diethylphthalate	38,700.000		1000	5000	ug/L
SSTDICV040	ICVBM031324	Water	Dimethylphthalate	38,700.000		930	5000	ug/L
SSTDICV040	ICVBM031324	Water	Fluoranthene	39,700.000		1300	5000	ug/L
SSTDICV040	ICVBM031324	Water	Fluorene	39,100.000		960	5000	ug/L
SSTDICV040	ICVBM031324	Water	Hexachlorobenzene	42,800.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	Hexachlorobutadiene	41,300.000		1300	5000	ug/L
SSTDICV040	ICVBM031324	Water	Hexachlorocyclopentadiene	42,600.000		5000	10000	ug/L
SSTDICV040	ICVBM031324	Water	Hexachloroethane	43,500.000		1000	5000	ug/L
SSTDICV040	ICVBM031324	Water	Indeno(1,2,3-cd)pyrene	40,800.000		1000	5000	ug/L
SSTDICV040	ICVBM031324	Water	Isophorone	42,000.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	n-Nitroso-di-n-propylamine	40,800.000		1500	2500	ug/L
SSTDICV040	ICVBM031324	Water	n-Nitrosodimethylamine	38,700.000		1000	10000	ug/L



Hit Summary Sheet
SW-846

SDG No.: BM031324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM031324	Water	n-Nitrosodiphenylamine	39,800.000		890	5000	ug/L
SSTDICV040	ICVBM031324	Water	Naphthalene	39,800.000		1000	5000	ug/L
SSTDICV040	ICVBM031324	Water	Nitrobenzene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBM031324	Water	Pentachlorophenol	37,600.000		1900	10000	ug/L
SSTDICV040	ICVBM031324	Water	Phenanthrene	39,900.000		890	5000	ug/L
SSTDICV040	ICVBM031324	Water	Phenol	41,200.000		930	5000	ug/L
SSTDICV040	ICVBM031324	Water	Pyrene	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBM031324	Water	Pyridine	35,500.000		1600	5000	ug/L
SSTDICV040	ICVBM031324	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	81,100.000		2700	10000	ug/L
SSTDICV040	ICVBM031324	Water	Total PAH	640,500.000		17360	80000	ug/L
Total Svoc :				3,954,100.00				
Total Concentration:				3,954,100.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM031324

SAS No.: BM031324

SDG No.: BM031324

Instrument ID: _____

Calibration Date(s): 3/13/2024 : _____

Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.612	0.680	0.663	0.653	0.649	4.1
Pyridine		1.502	1.573	1.700	1.646	1.632	1.619	4.0
2-Fluorophenol		1.337	1.392	1.461	1.411	1.381	1.393	3.0
Benzaldehyde		1.016	1.013	1.036	0.942	0.899	0.939	9.8
Aniline		1.994	2.033	2.196	2.168	2.166	2.122	3.9
Phenol-d6		1.685	1.757	1.893	1.832	1.802	1.792	3.9
Phenol		1.681	1.748	1.881	1.828	1.804	1.790	3.8
bis(2-Chloroethyl)ether		1.444	1.415	1.511	1.479	1.456	1.461	2.3
2-Chlorophenol		1.303	1.377	1.464	1.411	1.389	1.387	3.7
1,2-Dichlorobenzene		1.421	1.468	1.519	1.439	1.397	1.434	3.6
1,3-Dichlorobenzene		1.486	1.516	1.560	1.491	1.463	1.492	2.7
1,4-Dichlorobenzene		1.499	1.518	1.563	1.512	1.474	1.504	2.6
Benzyl Alcohol		1.033	1.069	1.226	1.231	1.224	1.178	7.6
2-Methylphenol		1.119	1.153	1.290	1.263	1.244	1.221	5.2
2,2-oxybis(1-Chloropropane)		2.019	2.035	2.122	2.049	1.999	2.026	3.1
Acetophenone		0.510	0.510	0.549	0.537	0.527	0.525	3.0
3+4-Methylphenols		1.457	1.534	1.751	1.714	1.702	1.647	6.7
n-Nitroso-di-n-propylamine	1.001	1.001	1.045	1.176	1.144	1.148	1.094	6.5
Nitrobenzene-d5		0.387	0.399	0.436	0.427	0.421	0.415	4.3
Hexachloroethane		0.534	0.549	0.580	0.562	0.551	0.556	2.7
Nitrobenzene		0.387	0.398	0.431	0.421	0.413	0.410	3.8
Isophorone		0.632	0.650	0.742	0.748	0.748	0.716	7.3
2-Nitrophenol		0.143	0.157	0.182	0.188	0.187	0.177	10.8
2,4-Dimethylphenol		0.277	0.297	0.325	0.322	0.319	0.311	5.9
bis(2-Chloroethoxy)methane		0.451	0.456	0.496	0.490	0.479	0.476	3.8
2,4-Dichlorophenol		0.260	0.276	0.311	0.310	0.305	0.297	7.0
1,2,4-Trichlorobenzene		0.311	0.314	0.326	0.317	0.312	0.316	1.9
Benzoic acid			0.160	0.222	0.242	0.251	0.231	16.0
Naphthalene		1.084	1.083	1.148	1.113	1.087	1.098	2.6
4-Chloroaniline		0.417	0.431	0.481	0.476	0.474	0.460	5.7
Hexachlorobutadiene		0.171	0.173	0.183	0.177	0.173	0.176	2.4
Caprolactam		0.076	0.078	0.097	0.103	0.107	0.096	14.0
4-Chloro-3-methylphenol		0.284	0.295	0.340	0.340	0.343	0.326	7.8
2-Methylnaphthalene		0.715	0.722	0.779	0.760	0.752	0.745	3.3
Hexachlorocyclopentadiene		0.279	0.305	0.319	0.334	0.332	0.323	7.6
2,4,6-Trichlorophenol		0.317	0.354	0.394	0.403	0.399	0.383	9.1

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.: BM031324

SAS No.: BM031324

SDG No.: BM031324

Instrument ID: _____

Calibration Date(s): 3/13/2024 : _____

Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D		RRF005 = BM044596.D		RRF010 = BM044597.D		
		RRF020 = BM044598.D		RRF040 = BM044599.D		RRF050 = BM044600.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.451	1.476	1.531	1.463	1.424	1.452	3.5
2,4,5-Trichlorophenol		0.398	0.428	0.467	0.469	0.467	0.454	6.6
1,1-Biphenyl		1.517	1.550	1.628	1.586	1.550	1.564	2.6
2-Chloronaphthalene		1.101	1.148	1.204	1.172	1.142	1.157	2.9
2-Nitroaniline		0.311	0.341	0.400	0.421	0.422	0.392	12.1
Dimethylphthalate		1.425	1.446	1.548	1.533	1.502	1.496	3.2
Acenaphthylene		1.752	1.817	1.962	1.938	1.908	1.884	4.1
2,6-Dinitrotoluene		0.270	0.287	0.323	0.324	0.322	0.312	7.5
3-Nitroaniline		0.291	0.316	0.378	0.384	0.391	0.365	11.8
Acenaphthene		1.090	1.103	1.179	1.162	1.149	1.139	3.1
2,4-Dinitrophenol			0.126	0.166	0.188	0.195	0.180	16.7
4-Nitrophenol			0.237	0.302	0.309	0.317	0.300	10.5
Dibenzofuran		1.772	1.809	1.902	1.842	1.790	1.808	3.3
2,4-Dinitrotoluene		0.321	0.354	0.423	0.436	0.437	0.407	12.0
Diethylphthalate		1.390	1.445	1.576	1.557	1.545	1.514	4.7
4-Chlorophenyl-phenylether		0.669	0.675	0.713	0.685	0.670	0.676	3.3
Fluorene		1.385	1.397	1.507	1.437	1.396	1.408	4.1
4-Nitroaniline		0.275	0.308	0.377	0.395	0.398	0.364	14.1
4,6-Dinitro-2-methylphenol			0.096	0.123	0.130	0.131	0.125	12.1
n-Nitrosodiphenylamine		0.576	0.599	0.657	0.641	0.624	0.623	4.6
Azobenzene		1.371	1.455	1.651	1.638	1.625	1.565	7.0
2,4,6-Tribromophenol		0.190	0.201	0.232	0.228	0.228	0.221	8.1
4-Bromophenyl-phenylether		0.193	0.199	0.213	0.211	0.207	0.207	3.8
Hexachlorobenzene		0.209	0.213	0.227	0.222	0.219	0.220	3.1
Atrazine		0.170	0.186	0.204	0.200	0.200	0.195	6.5
Pentachlorophenol		0.122	0.135	0.163	0.168	0.169	0.158	13.4
Phenanthrene		1.077	1.088	1.165	1.118	1.096	1.105	3.2
Anthracene		1.025	1.077	1.174	1.141	1.110	1.109	4.6
Carbazole		0.960	0.997	1.104	1.078	1.057	1.044	5.0
Di-n-butylphthalate		1.155	1.206	1.390	1.414	1.414	1.345	8.6
Fluoranthene		1.189	1.192	1.297	1.260	1.244	1.236	3.5
Benzidine			0.428	0.488	0.576	0.572	0.517	12.4
Pyrene		1.347	1.392	1.529	1.539	1.478	1.466	5.1
Terphenyl-d14		1.104	1.133	1.227	1.202	1.140	1.143	5.5
Butylbenzylphthalate		0.496	0.549	0.669	0.722	0.716	0.661	14.9
3,3-Dichlorobenzidine		0.409	0.439	0.510	0.519	0.502	0.479	9.0

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.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.309	1.345	1.455	1.429	1.397	1.392	4.0
Chrysene		1.299	1.300	1.380	1.377	1.320	1.330	3.3
Bis(2-ethylhexyl)phthalate		0.778	0.859	1.052	1.107	1.072	0.995	12.7
Di-n-octyl phthalate		1.313	1.423	1.723	1.900	1.892	1.726	14.9
Benzo(b)fluoranthene		1.092	1.117	1.207	1.207	1.175	1.175	4.4
Benzo(k)fluoranthene		1.129	1.189	1.279	1.226	1.220	1.208	4.6
Benzo(a)pyrene		1.036	1.083	1.194	1.179	1.168	1.146	5.6
Indeno(1,2,3-cd)pyrene		1.359	1.390	1.506	1.477	1.462	1.446	4.1
Dibenzo(a,h)anthracene		1.148	1.158	1.270	1.246	1.244	1.219	4.5
Benzo(g,h,i)perylene		1.149	1.146	1.243	1.211	1.208	1.200	3.4
1,2,4,5-Tetrachlorobenzene		0.549	0.567	0.582	0.570	0.560	0.568	2.1
1,4-Dioxane		0.574	0.602	0.622	0.579	0.569	0.586	3.5
2,3,4,6-Tetrachlorophenol		0.325	0.336	0.362	0.360	0.361	0.353	4.6
1-Methylnaphthalene		0.678	0.667	0.722	0.708	0.699	0.694	3.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG NO.: BM031324

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 13 2024 12:00AM

Lab File ID: BM044599.D Time Analyzed: 18:35

Instrument 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	237331	7.704	938226	10.49	534669	14.35
UPPER LIMIT	474662	8.204	1876452	10.986	1069338	14.851
LOWER LIMIT	118665.5	7.204	469113	9.986	267334.5	13.851
EPA SAMPLE NO.						
01 ICVBM031324	229344	7.70	924510	10.48	529080	14.35
02 PB159533BL	228640	7.70	851314	10.48	455814	14.35
03 PB159537BS	219894	7.70	845308	10.48	448734	14.35
04 PB159537BSD	232575	7.70	900664	10.48	477729	14.35
05 PB159537BL	277833	7.70	1.02322e	10.51	591769	14.35
06 EFF-WW	210199	7.70	810316	10.48	450922	14.35

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.: BM031324 SAS No.: BM031324 SDG NO.: BM031324

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 13 2024 12:00AM

Lab File ID: BM044599.D Time Analyzed: 18:35

Instrument 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	237331	7.704	938226	10.49	534669	14.35
UPPER LIMIT	474662	8.204	1876452	10.986	1069338	14.851
LOWER LIMIT	118665.5	7.204	469113	9.986	267334.5	13.851
EPA SAMPLE NO.						
01 ICVBM031324	229344	7.70	924510	10.48	529080	14.35
02 PB159533BL	228640	7.70	851314	10.48	455814	14.35
03 PB159537BS	219894	7.70	845308	10.48	448734	14.35
04 PB159537BSD	232575	7.70	900664	10.48	477729	14.35
05 PB159537BL	277833	7.70	1.02322e	10.51	591769	14.35
06 EFF-WW	210199	7.70	810316	10.48	450922	14.35

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IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

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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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG NO.: BM031324EPA Sample No.: SSTDICCC040Date Analyzed: Mar 13 2024 12:00AMLab File ID: BM044599.DTime Analyzed: 18:35Instrument ID: BNA_MGC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.04066e+04	17.104	895964	21.303	1.0338e+004	23.55
UPPER LIMIT	2081320	17.604	1791928	21.803	2067600	24.05
LOWER LIMIT	520330	16.604	447982	20.803	516900	23.05
EPA SAMPLE NO.						
01 ICVBM031324	1.01251	17.10	875627	21.30	1.01545e+	23.55
02 PB159533BL	844279	17.10	692926	21.30	841382	23.54
03 PB159537BS	794940	17.10	636947	21.30	772733	23.54
04 PB159537BSD	839398	17.10	664856	21.30	798921	23.54
05 PB159537BL	1.09634	17.10	856326	21.30	1.04759e+	23.55
06 EFF-WW	842955	17.10	765531	21.30	951803	23.54

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG NO.: BM031324EPA Sample No.: SSTDICCC040Date Analyzed: Mar 13 2024 12:00AMLab File ID: BM044599.DTime Analyzed: 18:35Instrument ID: BNA_MGC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.04066e+04	17.104	895964	21.303	1.0338e+004	23.55
UPPER LIMIT	2081320	17.604	1791928	21.803	2067600	24.05
LOWER LIMIT	520330	16.604	447982	20.803	516900	23.05
EPA SAMPLE NO.						
01 ICVBM031324	1.01251	17.10	875627	21.30	1.01545e+	23.55
02 PB159533BL	844279	17.10	692926	21.30	841382	23.54
03 PB159537BS	794940	17.10	636947	21.30	772733	23.54
04 PB159537BSD	839398	17.10	664856	21.30	798921	23.54
05 PB159537BL	1.09634	17.10	856326	21.30	1.04759e+	23.55
06 EFF-WW	842955	17.10	765531	21.30	951803	23.54

IS4 (PHN) = Phenanthrene-d10

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AREA UPPER LIMIT = +100% of internal standard area

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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.: BM031324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159537BS	n-Nitrosodimethylamine	50	44.3	ug/L	89				52	110	
	Pyridine	50	35.6	ug/L	71				55	145	
	Benzaldehyde	50	18.6	ug/L	37				10	110	
	Aniline	50	25.2	ug/L	50				50	150	
	Phenol	50	47.9	ug/L	96				48	130	
	bis(2-Chloroethyl)ether	50	46.4	ug/L	93				52	130	
	2-Chlorophenol	50	48.8	ug/L	98				55	130	
	1,2-Dichlorobenzene	50	48.6	ug/L	97				32	129	
	1,3-Dichlorobenzene	50	48.3	ug/L	97				1	172	
	1,4-Dichlorobenzene	50	48.7	ug/L	97				20	124	
	Benzyl Alcohol	50	45.4	ug/L	91				10	156	
	2-Methylphenol	50	43.8	ug/L	88				15	153	
	2,2-oxybis(1-Chloropropane)	50	46.7	ug/L	93				63	139	
	Acetophenone	50	47.3	ug/L	95				21	128	
	3+4-Methylphenols	50	44	ug/L	88				10	156	
	N-Nitroso-di-n-propylamine	50	44.9	ug/L	90				59	170	
	Hexachloroethane	50	49.3	ug/L	99				55	130	
	Nitrobenzene	50	45.3	ug/L	91				54	158	
	Isophorone	50	46.5	ug/L	93				52	180	
	2-Nitrophenol	50	49.1	ug/L	98				61	163	
	2,4-Dimethylphenol	50	38.1	ug/L	76				58	130	
	bis(2-Chloroethoxy)methane	50	45.9	ug/L	92				52	164	
	2,4-Dichlorophenol	50	48.9	ug/L	98				64	130	
	1,2,4-Trichlorobenzene	50	48.2	ug/L	96				44	142	
	Benzoic acid	50	43.2	ug/L	86				10	159	
	Naphthalene	50	46.2	ug/L	92				70	130	
	4-Chloroaniline	50	15.1	ug/L	30				10	126	
	Hexachlorobutadiene	50	48.6	ug/L	97				68	130	
	Caprolactam	50	44	ug/L	88				10	160	
	4-Chloro-3-methylphenol	50	45.5	ug/L	91				68	130	
	2-Methylnaphthalene	50	44.1	ug/L	88				25	124	
	Hexachlorocyclopentadiene	100	110	ug/L	110				21	137	
	2,4,6-Trichlorophenol	50	49.7	ug/L	99				69	130	
	2,4,5-Trichlorophenol	50	45.2	ug/L	90				74	100	
	1,1-Biphenyl	50	48.4	ug/L	97				20	125	
	2-Chloronaphthalene	50	49.5	ug/L	99				70	130	
	2-Nitroaniline	50	45.5	ug/L	91				61	112	
	Dimethylphthalate	50	44.9	ug/L	90				50	130	
	Acenaphthylene	50	49.5	ug/L	99				60	130	
	2,6-Dinitrotoluene	50	45.8	ug/L	92				68	137	
	3-Nitroaniline	50	24.8	ug/L	50				35	106	
	Acenaphthene	50	45.8	ug/L	92				70	130	
	Total PAH	800	777	ug/L	97				70	130	
	2,4-Dinitrophenol	100	87	ug/L	87				39	173	
	4-Nitrophenol	100	92	ug/L	92				35	130	
	Dibenzofuran	50	45.1	ug/L	90				29	125	



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

SDG No.: BM031324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159537BS	2,4-Dinitrotoluene	50	47.1	ug/L	94				53	130		
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	92.9	ug/L	93				53	130		
	Diethylphthalate	50	44.4	ug/L	89				47	130		
	4-Chlorophenyl-phenylether	50	45.4	ug/L	91				57	145		
	Fluorene	50	45	ug/L	90				70	130		
	4-Nitroaniline	50	41.6	ug/L	83				69	101		
	4,6-Dinitro-2-methylphenol	50	48.4	ug/L	97				56	130		
	N-Nitrosodiphenylamine	50	49	ug/L	98				63	100		
	Azobenzene	50	46	ug/L	92				58	105		
	4-Bromophenyl-phenylether	50	48.8	ug/L	98				70	130		
	Hexachlorobenzene	50	52.2	ug/L	104				38	142		
	Atrazine	50	49	ug/L	98				51	130		
	Pentachlorophenol	100	97.9	ug/L	98				42	152		
	Phenanthrene	50	47.5	ug/L	95				67	130		
	Anthracene	50	47.9	ug/L	96				58	130		
	Carbazole	50	47.4	ug/L	95				60	125		
	Di-n-butylphthalate	50	46.7	ug/L	93				52	130		
	Fluoranthene	50	44.6	ug/L	89				47	130		
	Benzidine	100	53.5	ug/L	54				10	133		
	Pyrene	50	49.2	ug/L	98				70	130		
	Butylbenzylphthalate	50	49.1	ug/L	98				43	140		
	3,3-Dichlorobenzidine	50	38.7	ug/L	77				18	213		
	Benzo(a)anthracene	50	48	ug/L	96				42	133		
	Chrysene	50	47.8	ug/L	96				44	140		
	bis(2-Ethylhexyl)phthalate	50	49.2	ug/L	98				43	137		
	Di-n-octyl phthalate	50	48.7	ug/L	97				21	132		
	Benzo(b)fluoranthene	50	49.8	ug/L	100				42	140		
	Benzo(k)fluoranthene	50	46.2	ug/L	92				25	146		
	Benzo(a)pyrene	50	48.3	ug/L	97				32	148		
	Indeno(1,2,3-cd)pyrene	50	55.1	ug/L	110				13	151		
	Dibenz(a,h)anthracene	50	53.5	ug/L	107				13	200		
	Benzo(g,h,i)perylene	50	52.6	ug/L	105				13	195		
	1,2,4,5-Tetrachlorobenzene	50	49.2	ug/L	98				70	130		
	2,3,4,6-Tetrachlorophenol	50	45.9	ug/L	92				70	130		
	1,4-Dioxane	50	38.3	ug/L	77				70	130		
PB159537BSD	n-Nitrosodimethylamine	50	44.7	ug/L	89				52	110	20	
	Pyridine	50	35.6	ug/L	71				55	145	20	
	Benzaldehyde	50	18.6	ug/L	37				10	110	20	
	Aniline	50	24.8	ug/L	50				50	150	20	
	Phenol	50	48	ug/L	96				48	130	20	
	bis(2-Chloroethyl)ether	50	46.7	ug/L	93				52	130	20	
	2-Chlorophenol	50	49.1	ug/L	98				55	130	20	
	1,2-Dichlorobenzene	50	49.1	ug/L	98				32	129	20	
	1,3-Dichlorobenzene	50	48.9	ug/L	98				1	172	20	
	1,4-Dichlorobenzene	50	49	ug/L	98				20	124	20	
Benzyl Alcohol	50	45.8	ug/L	92				10	156	20		



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

SDG No.: BM031324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB159537BSD	2-Methylphenol	50	44	ug/L	88				15	153	20
	2,2-oxybis(1-Chloropropane)	50	46.2	ug/L	92				63	139	20
	Acetophenone	50	46.6	ug/L	93				21	128	20
	3+4-Methylphenols	50	44	ug/L	88				10	156	20
	N-Nitroso-di-n-propylamine	50	44.2	ug/L	88				59	170	20
	Hexachloroethane	50	49.9	ug/L	100				55	130	20
	Nitrobenzene	50	44.9	ug/L	90				54	158	20
	Isophorone	50	46.5	ug/L	93				52	180	20
	2-Nitrophenol	50	49.9	ug/L	100				61	163	20
	2,4-Dimethylphenol	50	38	ug/L	76				58	130	20
	bis(2-Chloroethoxy)methane	50	45.5	ug/L	91				52	164	20
	2,4-Dichlorophenol	50	48.4	ug/L	97				64	130	20
	1,2,4-Trichlorobenzene	50	48.6	ug/L	97				44	142	20
	Benzoic acid	50	43.3	ug/L	87				10	159	20
	Naphthalene	50	46	ug/L	92				70	130	20
	4-Chloroaniline	50	13.5	ug/L	27				10	126	20
	Hexachlorobutadiene	50	48.3	ug/L	97				68	130	20
	Caprolactam	50	44.4	ug/L	89				10	160	20
	4-Chloro-3-methylphenol	50	45	ug/L	90				68	130	20
	2-Methylnaphthalene	50	43.6	ug/L	87				25	124	20
	Hexachlorocyclopentadiene	100	110	ug/L	110				21	137	20
	2,4,6-Trichlorophenol	50	49.4	ug/L	99				69	130	20
	2,4,5-Trichlorophenol	50	44.8	ug/L	90				74	100	20
	1,1-Biphenyl	50	47.5	ug/L	95				20	125	20
	2-Chloronaphthalene	50	49.2	ug/L	98				70	130	20
	2-Nitroaniline	50	44.8	ug/L	90				61	112	20
	Dimethylphthalate	50	44.4	ug/L	89				50	130	20
	Acenaphthylene	50	49.2	ug/L	98				60	130	20
	2,6-Dinitrotoluene	50	45.5	ug/L	91				68	137	20
	3-Nitroaniline	50	23.8	ug/L	48				35	106	20
	Acenaphthene	50	45.4	ug/L	91				70	130	20
	Total PAH	800	771	ug/L	96				70	130	20
	2,4-Dinitrophenol	100	87.6	ug/L	88				39	173	20
	4-Nitrophenol	100	90.8	ug/L	91				35	130	20
	Dibenzofuran	50	44.7	ug/L	89				29	125	20
	2,4-Dinitrotoluene	50	46.3	ug/L	93				53	130	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	91.8	ug/L	92				53	130	20
	Diethylphthalate	50	43.8	ug/L	88				47	130	20
	4-Chlorophenyl-phenylether	50	44.1	ug/L	88				57	145	20
	Fluorene	50	44.3	ug/L	89				70	130	20
	4-Nitroaniline	50	41.2	ug/L	82				69	101	20
	4,6-Dinitro-2-methylphenol	50	48.1	ug/L	96				56	130	20
	N-Nitrosodiphenylamine	50	48.8	ug/L	98				63	100	20
	Azobenzene	50	45.1	ug/L	90				58	105	20
	4-Bromophenyl-phenylether	50	48.6	ug/L	97				70	130	20
	Hexachlorobenzene	50	52.2	ug/L	104				38	142	20



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

SDG No.: BM031324

Client:

Analytical Method: 625.1

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159537BSD	Atrazine	50	48.8	ug/L	98				51	130	20
	Pentachlorophenol	100	96.2	ug/L	96				42	152	20
	Phenanthrene	50	47	ug/L	94				67	130	20
	Anthracene	50	47.4	ug/L	95				58	130	20
	Carbazole	50	46.8	ug/L	94				60	125	20
	Di-n-butylphthalate	50	46.4	ug/L	93				52	130	20
	Fluoranthene	50	44.1	ug/L	88				47	130	20
	Benzidine	100	54.9	ug/L	55				10	133	20
	Pyrene	50	49.1	ug/L	98				70	130	20
	Butylbenzylphthalate	50	49.3	ug/L	99				43	140	20
	3,3-Dichlorobenzidine	50	39.1	ug/L	78				18	213	20
	Benzo(a)anthracene	50	48.1	ug/L	96				42	133	20
	Chrysene	50	47.8	ug/L	96				44	140	20
	bis(2-Ethylhexyl)phthalate	50	49.3	ug/L	99				43	137	20
	Di-n-octyl phthalate	50	48.8	ug/L	98				21	132	20
	Benzo(b)fluoranthene	50	49.9	ug/L	100				42	140	20
	Benzo(k)fluoranthene	50	46.1	ug/L	92				25	146	20
	Benzo(a)pyrene	50	48	ug/L	96				32	148	20
	Indeno(1,2,3-cd)pyrene	50	53.9	ug/L	108				13	151	20
	Dibenz(a,h)anthracene	50	52.7	ug/L	105				13	200	20
	Benzo(g,h,i)perylene	50	52	ug/L	104				13	195	20
	1,2,4,5-Tetrachlorobenzene	50	49.3	ug/L	99				70	130	20
	2,3,4,6-Tetrachlorophenol	50	44.9	ug/L	90				70	130	20
	1,4-Dioxane	50	38.9	ug/L	78				70	130	20



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBM031324

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM031324SAS No.: BM031324 SDG NO.: BM031324Lab File ID: BM044603.DLab Sample ID: SSTDICV040Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) WaterDate Analyzed: 03/13/2024Level: (low/med) LOWTime Analyzed: 18:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBM031324	SSTDICV040	BM044603.D	03/13/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159533BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM031324

SAS No.: BM031324 SDG NO.: BM031324

Lab File ID: BM044604.D

Lab Sample ID: PB159533BL

Instrument ID: BNA_M

Date Extracted: 03/11/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/13/2024

Level: (low/med) LOW

Time Analyzed: 19:11

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.

PB159537BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM031324SAS No.: BM031324 SDG NO.: BM031324Lab File ID: BM044607.DLab Sample ID: PB159537BLInstrument ID: BNA_MDate Extracted: 03/11/2024Matrix: (soil/water) WaterDate Analyzed: 03/13/2024Level: (low/med) LOWTime Analyzed: 21:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EFF-WW	P1723-02	BM044608.D	03/13/2024
PB159537BS	PB159537BS	BM044605.D	03/13/2024
PB159537BSD	PB159537BSD	BM044606.D	03/13/2024

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BM031324

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBM031324	BM044603.D	2-Fluorophenol	150	77,710.00	51807	*	10	139
			Phenol-d6	150	75,143.00	50095	*	10	134
			Nitrobenzene-d5	100	73,434.00	73434	*	49	133
			2-Fluorobiphenyl	100	72,563.00	72563	*	52	132
			2,4,6-Tribromophenol	150	79,416.00	52944	*	32	145
			Terphenyl-d14	100	75,267.00	75267	*	36	145



Surrogate Summary
SW-846

SDG No.: BM031324

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159533BL	PB159533BL	BM044604.D	2-Fluorophenol	150	125.64	84		18	112
			Phenol-d6	150	118.47	79		15	107
			Nitrobenzene-d5	100	81.56	82		18	107
			2-Fluorobiphenyl	100	83.83	84		20	109
			2,4,6-Tribromophenol	150	121.15	81		10	110
			Terphenyl-d14	100	85.83	86		14	112



Surrogate Summary
SW-846

SDG No.: BM031324

Client:

Analytical Method: 625.1

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1723-02	EFF-WW	BM044608.D	2-Fluorophenol	100	86.52	87		60	140
			Phenol-d6	100	81.33	81		60	140
			Nitrobenzene-d5	100	78.32	78		60	140
			2-Fluorobiphenyl	100	79.71	80		60	140
			2,4,6-Tribromophenol	100	84.42	84		60	140
			Terphenyl-d14	100	77.31	77		60	140
PB159537BL	PB159537BL	BM044607.D	2-Fluorophenol	100	29.60	30	*	60	140
			Phenol-d6	100	16.42	16	*	60	140
			Nitrobenzene-d5	100	67.31	67		60	140
			2-Fluorobiphenyl	100	67.32	67		60	140
			2,4,6-Tribromophenol	100	72.56	73		60	140
			Terphenyl-d14	100	63.47	63		60	140
PB159537BS	PB159537BS	BM044605.D	2-Fluorophenol	100	92.41	92		60	140
			Phenol-d6	100	87.48	87		60	140
			Nitrobenzene-d5	100	85.30	85		60	140
			2-Fluorobiphenyl	100	88.59	89		60	140
			2,4,6-Tribromophenol	100	88.70	89		60	140
			Terphenyl-d14	100	91.84	92		60	140
PB159537BSD	PB159537BSD	BM044606.D	2-Fluorophenol	100	92.69	93		60	140
			Phenol-d6	100	87.10	87		60	140
			Nitrobenzene-d5	100	84.28	84		60	140
			2-Fluorobiphenyl	100	87.43	87		60	140
			2,4,6-Tribromophenol	100	87.41	87		60	140
			Terphenyl-d14	100	90.71	91		60	140



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM031324Lab Code: CHEMSAS No.: BM031324 SDG NO.: BM031324Lab File ID: BM044594.DDFTPP Injection Date: 03/13/2024Instrument ID: BNA_MDFTPP Injection Time: 13:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.4
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	41.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	50
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	22.6
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	70
443	15.0 - 24.0% of mass 442	13.4 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM044595.D	03/13/2024	13:44
SSTDICC005	SSTDICC005	BM044596.D	03/13/2024	14:20
SSTDICC010	SSTDICC010	BM044597.D	03/13/2024	14:56
SSTDICC020	SSTDICC020	BM044598.D	03/13/2024	15:33
SSTDICCC040	SSTDICCC040	BM044599.D	03/13/2024	16:09
SSTDICC050	SSTDICC050	BM044600.D	03/13/2024	16:46
SSTDICC060	SSTDICC060	BM044601.D	03/13/2024	17:22
SSTDICC080	SSTDICC080	BM044602.D	03/13/2024	17:59
ICVBM031324	SSTDICV040	BM044603.D	03/13/2024	18:35
PB159533BL	PB159533BL	BM044604.D	03/13/2024	19:11
PB159537BS	PB159537BS	BM044605.D	03/13/2024	19:48
PB159537BSD	PB159537BSD	BM044606.D	03/13/2024	20:24
PB159537BL	PB159537BL	BM044607.D	03/13/2024	21:00
EFF-WW	P1723-02	BM044608.D	03/13/2024	21:36