

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG No.: BM052324

Instrument ID: BNA_M Calibration Date/Time: 5/23/2024 1:10:29

Lab File ID: BM045749.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	0.719	0.737		2.503	
Pyridine	1.275	1.315		3.137	
2-Fluorophenol	1.122	1.130		0.713	
Benzaldehyde	0.917	0.895		-2.399	
Aniline	1.440	1.484		3.056	
Phenol-d6	1.506	1.514		0.531	
Phenol	1.522	1.514		-0.526	20.0
bis(2-Chloroethyl) ether	1.319	1.337		1.365	
2-Chlorophenol	1.229	1.212		-1.383	
1,2-Dichlorobenzene	1.380	1.349		-2.246	
1,3-Dichlorobenzene	1.464	1.461		-0.205	
1,4-Dichlorobenzene	1.477	1.484		0.474	20.0
Benzyl Alcohol	1.176	1.182		0.51	
2-Methylphenol	1.055	1.053		-0.19	
2,2-oxybis(1-Chloropropane)	2.047	2.054		0.342	
Acetophenone	0.463	0.458		-1.08	
3+4-Methylphenols	1.405	1.406		0.071	
n-Nitroso-di-n-propylamine	1.059	1.031	0.050	-2.644	
Nitrobenzene-d5	0.368	0.380		3.261	
Hexachloroethane	0.573	0.574		0.175	
Nitrobenzene	0.374	0.386		3.209	
Isophorone	0.684	0.698		2.047	
2-Nitrophenol	0.149	0.173		16.107	20.0
2,4-Dimethylphenol	0.209	0.213		1.914	
bis(2-Chloroethoxy) methane	0.421	0.433		2.85	
2,4-Dichlorophenol	0.285	0.302		5.965	20.0
1,2,4-Trichlorobenzene	0.323	0.329		1.858	
Benzoic acid	0.178	0.199		11.798	
Naphthalene	0.991	0.994		0.303	
4-Chloroaniline	0.378	0.387		2.381	
Hexachlorobutadiene	0.198	0.200		1.01	20.0
Caprolactam	0.092	0.100		8.696	
4-Chloro-3-methylphenol	0.325	0.339		4.308	20.0
2-Methylnaphthalene	0.690	0.699		1.304	
Hexachlorocyclopentadiene	0.216	0.234	0.050	8.333	
2,4,6-Trichlorophenol	0.348	0.382		9.77	20.0
2-Fluorobiphenyl	1.244	1.259		1.206	
2,4,5-Trichlorophenol	0.387	0.422		9.044	
1,1-Biphenyl	1.348	1.368		1.484	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG No.: BM052324

Instrument ID: BNA_M Calibration Date/Time: 5/23/2024 1:10:29

Lab File ID: BM045749.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
2-Chloronaphthalene	1.055	1.074		1.801	
2-Nitroaniline	0.333	0.384		15.315	
Dimethylphthalate	1.353	1.395		3.104	
Acenaphthylene	1.600	1.634		2.125	
2,6-Dinitrotoluene	0.290	0.318		9.655	
3-Nitroaniline	0.296	0.329		11.149	
Acenaphthene	1.003	1.017		1.396	20.0
2,4-Dinitrophenol	0.134	0.166	0.050	23.881	
4-Nitrophenol	0.252	0.274	0.050	8.73	
Dibenzofuran	1.581	1.593		0.759	
2,4-Dinitrotoluene	0.386	0.434		12.435	
Diethylphthalate	1.414	1.448		2.405	
4-Chlorophenyl-phenylether	0.632	0.643		1.741	
Fluorene	1.292	1.304		0.929	
4-Nitroaniline	0.294	0.323		9.864	
4,6-Dinitro-2-methylphenol	0.092	0.107		16.304	
n-Nitrosodiphenylamine	0.512	0.513		0.195	20.0
Azobenzene	1.370	1.390		1.46	
2,4,6-Tribromophenol	0.212	0.225		6.132	
4-Bromophenyl-phenylether	0.190	0.194		2.105	
Hexachlorobenzene	0.226	0.229		1.327	
Atrazine	0.156	0.156		0.0	
Pentachlorophenol	0.138	0.158		14.493	20.0
Phenanthrene	0.944	0.947		0.318	
Anthracene	0.928	0.938		1.078	
Carbazole	0.929	0.933		0.431	
Di-n-butylphthalate	1.153	1.198		3.903	
Fluoranthene	1.151	1.171		1.738	20.0
Benzidine	0.342	0.488		42.69	
Pyrene	1.411	1.484		5.174	
Terphenyl-d14	1.087	1.126		3.588	
Butylbenzylphthalate	0.611	0.666		9.002	
3,3-Dichlorobenzidine	0.437	0.464		6.178	
Benzo(a)anthracene	1.274	1.310		2.826	
Chrysene	1.195	1.223		2.343	
Bis(2-ethylhexyl)phthalate	0.858	0.903		5.245	
Di-n-octyl phthalate	1.497	1.576		5.277	20.0
Benzo(b)fluoranthene	1.134	1.170		3.175	
Benzo(k)fluoranthene	1.077	1.107		2.786	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG No.: BM052324

Instrument ID: BNA_M Calibration Date/Time: 5/23/2024 1:10:29

Lab File ID: BM045749.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
Benzo(a)pyrene	0.986	1.020		3.448	20.0
Indeno(1,2,3-cd)pyrene	1.151	1.156		0.434	
Dibenzo(a,h)anthracene	0.953	0.957		0.42	
Benzo(g,h,i)perylene	0.989	0.987		-0.202	
1,2,4,5-Tetrachlorobenzene	0.516	0.533		3.295	
1,4-Dioxane	0.466	0.466		0.0	20.0
2,3,4,6-Tetrachlorophenol	0.322	0.344		6.832	
1-Methylnaphthalene	0.681	0.689		1.175	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BS	SDG No.:	BM052324
Lab Sample ID:	PB161074BS	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
BM045750.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41.9		1	8	10	ug/L
110-86-1	Pyridine	32.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	12.5		4	8	10	ug/L
62-53-3	Aniline	41		1.6	4	5	ug/L
108-95-2	Phenol	47.8		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.7		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	42.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47.9		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45		1.4	4	5	ug/L
98-86-2	Acetophenone	41.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.1		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.6		1.5	4	5	ug/L
67-72-1	Hexachloroethane	41.5		1	4	5	ug/L
98-95-3	Nitrobenzene	42		1.3	4	5	ug/L
78-59-1	Isophorone	42.3		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	44.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	63.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.1		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.6		1.1	4	5	ug/L
65-85-0	Benzoic acid	41.2		5.5	8	10	ug/L
91-20-3	Naphthalene	41		1	4	5	ug/L
106-47-8	4-Chloroaniline	25		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	40.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BS	SDG No.:	BM052324
Lab Sample ID:	PB161074BS	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
BM045750.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	40.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	150	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	43.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	50.1		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.2		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.6		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	33.3		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.3		0.81	4	5	ug/L
Total PAH	Total PAH	719.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	93.7	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43.8		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	46.8		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	42.9		2.7	4	10	ug/L
84-66-2	Diethylphthalate	44.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.7		0.98	4	5	ug/L
86-73-7	Fluorene	43.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	46.3		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.2		0.89	4	5	ug/L
103-33-3	Azobenzene	44.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	42.6		1.1	4	5	ug/L
1912-24-9	Atrazine	56.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BS	SDG No.:	BM052324
Lab Sample ID:	PB161074BS	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
BM045750.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.6		0.89	4	5	ug/L
120-12-7	Anthracene	45.2		1.1	4	5	ug/L
86-74-8	Carbazole	43.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	42.6		1.3	4	5	ug/L
92-87-5	Benzidine	49.2		4.1	8	10	ug/L
129-00-0	Pyrene	44.3		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	46.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	38.6		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	44.7		0.94	4	5	ug/L
218-01-9	Chrysene	43.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.4		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	46.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47.6		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.3		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.8		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.1		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.5		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	33.7		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	98.139		60-140		98	SPK: -100
13127-88-3	Phenol-d6	93.322		60-140		93	SPK: -100
4165-60-0	Nitrobenzene-d5	83.132		60-140		83	SPK: -100
321-60-8	2-Fluorobiphenyl	83.756		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.254		60-140		93	SPK: -100

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BS	SDG No.:	BM052324
Lab Sample ID:	PB161074BS	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
BM045750.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	85.386		60-140		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	327235	7.563				
1146-65-2	Naphthalene-d8	1427447	10.334				
15067-26-2	Acenaphthene-d10	875413	14.198				
1517-22-2	Phenanthrene-d10	1870554	16.945				
1719-03-5	Chrysene-d12	1518840	21.162				
1520-96-3	Perylene-d12	1684126	23.956				
	1-Methylnaphthalene	39.1					

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BSD	SDG No.:	BM052324
Lab Sample ID:	PB161074BSD	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
BM045751.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43		1	8	10	ug/L
110-86-1	Pyridine	32.4		1.6	4	5	ug/L
100-52-7	Benzaldehyde	12.6		4	8	10	ug/L
62-53-3	Aniline	40.9		1.6	4	5	ug/L
108-95-2	Phenol	48.8		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	50.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43.3		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.9		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	42		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	48.5		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.1		1.4	4	5	ug/L
98-86-2	Acetophenone	41.7		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.5		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.1		1.5	4	5	ug/L
67-72-1	Hexachloroethane	41.3		1	4	5	ug/L
98-95-3	Nitrobenzene	42.6		1.3	4	5	ug/L
78-59-1	Isophorone	42.8		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	44.7		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	64.4		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.1		1.1	4	5	ug/L
65-85-0	Benzoic acid	41.5		5.5	8	10	ug/L
91-20-3	Naphthalene	41.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	26.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	40.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BSD	SDG No.:	BM052324
Lab Sample ID:	PB161074BSD	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
BM045751.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	150	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.8		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	48.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44.1		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.6		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51.1		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.3		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46.6		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	34.7		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.8		0.81	4	5	ug/L
Total PAH	Total PAH	730.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	96	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.4		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	93.8		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	47.2		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.4		0.98	4	5	ug/L
86-73-7	Fluorene	44.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	47.5		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.6		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.9		0.89	4	5	ug/L
103-33-3	Azobenzene	44.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.7		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	42.9		1.1	4	5	ug/L
1912-24-9	Atrazine	56.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BSD	SDG No.:	BM052324
Lab Sample ID:	PB161074BSD	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
BM045751.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91.8	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.9		0.89	4	5	ug/L
120-12-7	Anthracene	45.7		1.1	4	5	ug/L
86-74-8	Carbazole	44.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.2		1.3	4	5	ug/L
92-87-5	Benzidine	51		4.1	8	10	ug/L
129-00-0	Pyrene	44.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	46.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	40.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.2		0.94	4	5	ug/L
218-01-9	Chrysene	44.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	46.6		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.9		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.6		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.2		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.3		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.8		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	33.9		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	99.175		60-140		99	SPK: -100
13127-88-3	Phenol-d6	95.047		60-140		95	SPK: -100
4165-60-0	Nitrobenzene-d5	84.243		60-140		84	SPK: -100
321-60-8	2-Fluorobiphenyl	84.704		60-140		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.119		60-140		95	SPK: -100

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BSD	SDG No.:	BM052324
Lab Sample ID:	PB161074BSD	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
BM045751.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	85.425		60-140		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	321762	7.563				
1146-65-2	Naphthalene-d8	1397357	10.334				
15067-26-2	Acenaphthene-d10	858350	14.198				
1517-22-2	Phenanthrene-d10	1852558	16.945				
1719-03-5	Chrysene-d12	1518618	21.162				
1520-96-3	Perylene-d12	1742007	23.956				
	1-Methylnaphthalene	39.8					

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BL	SDG No.:	BM052324
Lab Sample ID:	PB161074BL	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
BM045752.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

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

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BL	SDG No.:	BM052324
Lab Sample ID:	PB161074BL	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
BM045752.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	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

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BL	SDG No.:	BM052324
Lab Sample ID:	PB161074BL	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
BM045752.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
92-87-5	Benzidine	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	103.025		60-140		103	SPK: -100
13127-88-3	Phenol-d6	100.945		60-140		101	SPK: -100
4165-60-0	Nitrobenzene-d5	95.036		60-140		95	SPK: -100
321-60-8	2-Fluorobiphenyl	94.208		60-140		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.097		60-140		89	SPK: -100

Report of Analysis

Client:		Date Collected:	5/22/2024 12:00:00 AM
Project:		Date Received:	5/22/2024 12:00:00 AM
Client Sample ID:	PB161074BL	SDG No.:	BM052324
Lab Sample ID:	PB161074BL	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
BM045752.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	85.594		60-140		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	287843	7.569				
1146-65-2	Naphthalene-d8	1179228	10.339				
15067-26-2	Acenaphthene-d10	714707	14.198				
1517-22-2	Phenanthrene-d10	1518234	16.945				
1719-03-5	Chrysene-d12	1336232	21.156				
1520-96-3	Perylene-d12	1407652	23.95				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	47.5	A			4.781	
000822-67-3	2-Cyclohexen-1-ol	3.6	J			5.551	
000930-68-7	2-Cyclohexen-1-one	5.3	J			6.269	
001561-86-0	2-Chlorocyclohexanol	6	J			7.91	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BS	SDG No.:	BM052324
Lab Sample ID:	PB160904BS	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
BM045753.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.6		1	8	10	ug/L
110-86-1	Pyridine	32.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	12.4		4	8	10	ug/L
62-53-3	Aniline	42.1		1.6	4	5	ug/L
108-95-2	Phenol	48.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	50.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43.4		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.8		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.2		1.6	8	10	ug/L
95-48-7	2-Methylphenol	49.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46		1.4	4	5	ug/L
98-86-2	Acetophenone	41.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	47.2		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.4		1.5	4	5	ug/L
67-72-1	Hexachloroethane	42.3		1	4	5	ug/L
98-95-3	Nitrobenzene	42.5		1.3	4	5	ug/L
78-59-1	Isophorone	42.6		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	44.5		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	64.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.1		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42		1.1	4	5	ug/L
65-85-0	Benzoic acid	41.9		5.5	8	10	ug/L
91-20-3	Naphthalene	41.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	26.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	40.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BS	SDG No.:	BM052324
Lab Sample ID:	PB160904BS	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
BM045753.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47.2		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	150	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.5		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.5		1	4	5	ug/L
92-52-4	1,1-Biphenyl	43.9		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.7		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.9		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46.3		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	34.3		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.6		0.81	4	5	ug/L
Total PAH	Total PAH	728.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	93.8	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.1		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	92.9		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.6		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.1		0.98	4	5	ug/L
86-73-7	Fluorene	44		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	46.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.7		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.6		0.89	4	5	ug/L
103-33-3	Azobenzene	45		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.2		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	42.7		1.1	4	5	ug/L
1912-24-9	Atrazine	57.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BS	SDG No.:	BM052324
Lab Sample ID:	PB160904BS	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
BM045753.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	91.7	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	45.3		0.89	4	5	ug/L
120-12-7	Anthracene	45.6		1.1	4	5	ug/L
86-74-8	Carbazole	44.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	42.8		1.3	4	5	ug/L
92-87-5	Benzidine	48.5		4.1	8	10	ug/L
129-00-0	Pyrene	44.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	47.1		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	39.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.4		0.94	4	5	ug/L
218-01-9	Chrysene	44.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	46.9		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47.7		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.5		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.9		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	46.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.9		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.4		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	34.1		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	99.497		60-140		99	SPK: -100
13127-88-3	Phenol-d6	95.065		60-140		95	SPK: -100
4165-60-0	Nitrobenzene-d5	83.885		60-140		84	SPK: -100
321-60-8	2-Fluorobiphenyl	84.193		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	94.333		60-140		94	SPK: -100

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BS	SDG No.:	BM052324
Lab Sample ID:	PB160904BS	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
BM045753.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	85.903		60-140		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	329592	7.563				
1146-65-2	Naphthalene-d8	1458310	10.333				
15067-26-2	Acenaphthene-d10	904037	14.198				
1517-22-2	Phenanthrene-d10	1948022	16.945				
1719-03-5	Chrysene-d12	1579335	21.162				
1520-96-3	Perylene-d12	1761851	23.95				
	1-Methylnaphthalene	39.9					

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BSD	SDG No.:	BM052324
Lab Sample ID:	PB160904BSD	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
BM045754.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.2		1	8	10	ug/L
110-86-1	Pyridine	31.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	12.4		4	8	10	ug/L
62-53-3	Aniline	41.9		1.6	4	5	ug/L
108-95-2	Phenol	48		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.5		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.5		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.4		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.6		1.6	8	10	ug/L
95-48-7	2-Methylphenol	48.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.3		1.4	4	5	ug/L
98-86-2	Acetophenone	42.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.3		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.7		1.5	4	5	ug/L
67-72-1	Hexachloroethane	40.9		1	4	5	ug/L
98-95-3	Nitrobenzene	42.9		1.3	4	5	ug/L
78-59-1	Isophorone	43.2		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	44.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	64.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.4		1.1	4	5	ug/L
65-85-0	Benzoic acid	42.7		5.5	8	10	ug/L
91-20-3	Naphthalene	41.6		1	4	5	ug/L
106-47-8	4-Chloroaniline	27.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	40.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BSD	SDG No.:	BM052324
Lab Sample ID:	PB160904BSD	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
BM045754.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	48.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.9		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	150	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	50.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.5		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44.4		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51.7		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46.9		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	35		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.9		0.81	4	5	ug/L
Total PAH	Total PAH	729.1		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	95.3	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.2		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	44.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	47.4		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.3		0.98	4	5	ug/L
86-73-7	Fluorene	44.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	47.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.8		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.6		0.89	4	5	ug/L
103-33-3	Azobenzene	44.7		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.5		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	42.5		1.1	4	5	ug/L
1912-24-9	Atrazine	56.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BSD	SDG No.:	BM052324
Lab Sample ID:	PB160904BSD	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
BM045754.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	92.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	45.1		0.89	4	5	ug/L
120-12-7	Anthracene	45.6		1.1	4	5	ug/L
86-74-8	Carbazole	44.5		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.2		1.3	4	5	ug/L
92-87-5	Benzidine	49.7		4.1	8	10	ug/L
129-00-0	Pyrene	44		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	46.1		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	40.6		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.1		0.94	4	5	ug/L
218-01-9	Chrysene	44.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	46.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.4		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	49		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.3		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	33.4		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	97.457		60-140		97	SPK: -100
13127-88-3	Phenol-d6	93.428		60-140		93	SPK: -100
4165-60-0	Nitrobenzene-d5	84.726		60-140		85	SPK: -100
321-60-8	2-Fluorobiphenyl	85.18		60-140		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.933		60-140		94	SPK: -100

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BSD	SDG No.:	BM052324
Lab Sample ID:	PB160904BSD	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
BM045754.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	84.687		60-140		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	341553	7.563				
1146-65-2	Naphthalene-d8	1466721	10.334				
15067-26-2	Acenaphthene-d10	902952	14.198				
1517-22-2	Phenanthrene-d10	1949313	16.945				
1719-03-5	Chrysene-d12	1609053	21.162				
1520-96-3	Perylene-d12	1831165	23.95				
	1-Methylnaphthalene	40					

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BL	SDG No.:	BM052324
Lab Sample ID:	PB160904BL	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
BM045755.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

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

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BL	SDG No.:	BM052324
Lab Sample ID:	PB160904BL	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
BM045755.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	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

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BL	SDG No.:	BM052324
Lab Sample ID:	PB160904BL	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
BM045755.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
92-87-5	Benzidine	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	101.849		60-140		102	SPK: -100
13127-88-3	Phenol-d6	100.466		60-140		100	SPK: -100
4165-60-0	Nitrobenzene-d5	95.554		60-140		96	SPK: -100
321-60-8	2-Fluorobiphenyl	95.26		60-140		95	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.806		60-140		90	SPK: -100

Report of Analysis

Client:		Date Collected:	5/14/2024 12:00:00 AM
Project:		Date Received:	5/14/2024 12:00:00 AM
Client Sample ID:	PB160904BL	SDG No.:	BM052324
Lab Sample ID:	PB160904BL	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
BM045755.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	84.193		60-140		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	292615	7.569				
1146-65-2	Naphthalene-d8	1188296	10.339				
15067-26-2	Acenaphthene-d10	721374	14.198				
1517-22-2	Phenanthrene-d10	1557550	16.945				
1719-03-5	Chrysene-d12	1391538	21.156				
1520-96-3	Perylene-d12	1459654	23.95				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	47	A			4.775	
000822-67-3	2-Cyclohexen-1-ol	3.8	J			5.546	
000930-68-7	2-Cyclohexen-1-one	5.4	J			6.263	
001561-86-0	2-Chlorocyclohexanol	5.9	J			7.91	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	5/15/2024 12:00:00 AM
Project:		Date Received:	5/15/2024 12:00:00 AM
Client Sample ID:	240515056-01	SDG No.:	BM052324
Lab Sample ID:	P2583-01	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
BM045756.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

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

Report of Analysis

Client:		Date Collected:	5/15/2024 12:00:00 AM
Project:		Date Received:	5/15/2024 12:00:00 AM
Client Sample ID:	240515056-01	SDG No.:	BM052324
Lab Sample ID:	P2583-01	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
BM045756.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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	24.4	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	7		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

Report of Analysis

Client:		Date Collected:	5/15/2024 12:00:00 AM
Project:		Date Received:	5/15/2024 12:00:00 AM
Client Sample ID:	240515056-01	SDG No.:	BM052324
Lab Sample ID:	P2583-01	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
BM045756.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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	2	J	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	13.5		1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	2	J	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	4	J	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	3.3	J	0.94	4	5	ug/L
218-01-9	Chrysene	3.7	J	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.9		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	5.4		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	5.8		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	4.2	J	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	36.716	*	60-140		37	SPK: -100
13127-88-3	Phenol-d6	20.039	*	60-140		20	SPK: -100
4165-60-0	Nitrobenzene-d5	91.59		60-140		92	SPK: -100
321-60-8	2-Fluorobiphenyl	83.592		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	99.127		60-140		99	SPK: -100

Report of Analysis

Client:		Date Collected:	5/15/2024 12:00:00 AM
Project:		Date Received:	5/15/2024 12:00:00 AM
Client Sample ID:	240515056-01	SDG No.:	BM052324
Lab Sample ID:	P2583-01	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
BM045756.D	1	5/22/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB161074

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	69.645		60-140		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	231189	7.563				
1146-65-2	Naphthalene-d8	872039	10.333				
15067-26-2	Acenaphthene-d10	553509	14.198				
1517-22-2	Phenanthrene-d10	1298344	16.939				
1719-03-5	Chrysene-d12	1526826	21.156				
1520-96-3	Perylene-d12	1686378	23.944				
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM052324
Lab Sample ID:	P2464-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	990	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
BM045757.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4	5.1	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM052324
Lab Sample ID:	P2464-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	990	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
BM045757.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
84-66-2	Diethylphthalate	2.4	J	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM052324
Lab Sample ID:	P2464-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	990	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
BM045757.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	6.4		1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.7	J	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	2.3	J	0.95	4	5.1	ug/L
218-01-9	Chrysene	2.5	J	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.6	J	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	3.6	J	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	3.7	J	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	2.8	J	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	57.394	*	60-140		57	SPK: -100
13127-88-3	Phenol-d6	43.36	*	60-140		43	SPK: -100
4165-60-0	Nitrobenzene-d5	97.536		60-140		98	SPK: -100
321-60-8	2-Fluorobiphenyl	104.701		60-140		105	SPK: -100
118-79-6	2,4,6-Tribromophenol	115.656		60-140		116	SPK: -100

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BM052324
Lab Sample ID:	P2464-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	990	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
BM045757.D	1	5/14/2024 12:00:00 AM	5/23/2024 12:00:00 AM	PB160904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	83.418		60-140		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	259250	7.563				
1146-65-2	Naphthalene-d8	1070464	10.334				
15067-26-2	Acenaphthene-d10	670404	14.192				
1517-22-2	Phenanthrene-d10	1305303	16.939				
1719-03-5	Chrysene-d12	1267173	21.156				
1520-96-3	Perylene-d12	1385037	23.95				
	1-Methylnaphthalene		U				



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: BM052324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFF-WW								
P2464-02	EFF-WW	Water	Benzo(a)anthracene	2.300	J	0.95	5.1	ug/L
P2464-02	EFF-WW	Water	Benzo(a)pyrene	2.800	J	1.7	5.1	ug/L
P2464-02	EFF-WW	Water	Benzo(b)fluoranthene	3.600	J	1.2	5.1	ug/L
P2464-02	EFF-WW	Water	Benzo(k)fluoranthene	3.700	J	1.2	5.1	ug/L
P2464-02	EFF-WW	Water	Bis(2-ethylhexyl)phthalate	4.600	J	1.9	5.1	ug/L
P2464-02	EFF-WW	Water	Butylbenzylphthalate	2.700	J	2.1	5.1	ug/L
P2464-02	EFF-WW	Water	Chrysene	2.500	J	0.87	5.1	ug/L
P2464-02	EFF-WW	Water	Di-n-butylphthalate	6.400		1.5	5.1	ug/L
P2464-02	EFF-WW	Water	Diethylphthalate	2.400	J	1.1	5.1	ug/L
Total Svoc :				31.00				
Total Concentration:				31.00				
Client ID : 240515056-01								
P2583-01	240515056-01	Water	Benzo(a)anthracene	3.300	J	0.94	5	ug/L
P2583-01	240515056-01	Water	Benzo(a)pyrene	4.200	J	1.7	5	ug/L
P2583-01	240515056-01	Water	Benzo(b)fluoranthene	5.400		1.1	5	ug/L
P2583-01	240515056-01	Water	Benzo(k)fluoranthene	5.800		1.2	5	ug/L
P2583-01	240515056-01	Water	Bis(2-ethylhexyl)phthalate	5.900		1.9	5	ug/L
P2583-01	240515056-01	Water	Butylbenzylphthalate	4.000	J	2.1	5	ug/L
P2583-01	240515056-01	Water	Carbazole	2.000	J	1.2	5	ug/L
P2583-01	240515056-01	Water	Chrysene	3.700	J	0.86	5	ug/L
P2583-01	240515056-01	Water	Di-n-butylphthalate	13.500		1.5	5	ug/L
P2583-01	240515056-01	Water	Diethylphthalate	7.000		1	5	ug/L
P2583-01	240515056-01	Water	Pyrene	2.000	J	1.1	5	ug/L
Total Svoc :				56.80				
Total Concentration:				56.80				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM052224 SAS No.: BM052224 SDG No.: BM052224
Instrument ID: _____ Calibration Date(s): 5/22/2024 : _____
Calibration Time(s): 10:42 : _____

LAB FILE ID:		RRF2.5 = BM045738.D			RRF005 = BM045739.D		RRF010 = BM045740.D	
		RRF020 = BM045741.D			RRF040 = BM045742.D		RRF050 = BM045743.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.710	0.717	0.749	0.725	0.704	0.719	2.0
Pyridine		1.193	1.272	1.323	1.336	1.280	1.275	4.0
2-Fluorophenol		1.181	1.135	1.198	1.126	1.072	1.122	4.8
Benzaldehyde			1.064	1.053	0.893	0.812	0.917	14.9
Aniline		1.493	1.464	1.554	1.475	1.387	1.440	5.5
Phenol-d6		1.559	1.543	1.615	1.502	1.439	1.506	4.6
Phenol		1.624	1.571	1.631	1.501	1.431	1.522	5.7
bis(2-Chloroethyl)ether		1.425	1.316	1.370	1.312	1.274	1.319	4.6
2-Chlorophenol		1.299	1.251	1.304	1.250	1.185	1.229	5.2
1,2-Dichlorobenzene		1.531	1.418	1.489	1.375	1.296	1.380	7.6
1,3-Dichlorobenzene		1.570	1.472	1.528	1.469	1.414	1.464	4.6
1,4-Dichlorobenzene		1.569	1.491	1.559	1.484	1.412	1.477	4.7
Benzyl Alcohol		1.195	1.138	1.248	1.200	1.179	1.176	3.6
2-Methylphenol		1.075	1.039	1.127	1.085	1.033	1.055	4.2
2,2-oxybis(1-Chloropropane)		2.215	2.094	2.194	2.101	1.968	2.047	7.0
Acetophenone		0.509	0.478	0.489	0.461	0.433	0.463	6.7
3+4-Methylphenols		1.472	1.432	1.518	1.429	1.344	1.405	5.6
n-Nitroso-di-n-propylamine	1.078	1.157	1.086	1.128	1.066	1.006	1.059	6.5
Nitrobenzene-d5		0.363	0.362	0.392	0.378	0.356	0.368	3.5
Hexachloroethane		0.589	0.564	0.597	0.586	0.558	0.573	3.0
Nitrobenzene		0.378	0.370	0.397	0.388	0.363	0.374	3.9
Isophorone		0.676	0.660	0.717	0.707	0.672	0.684	3.0
2-Nitrophenol		0.111	0.121	0.151	0.162	0.159	0.149	15.8
2,4-Dimethylphenol		0.208	0.199	0.217	0.216	0.205	0.209	2.9
bis(2-Chloroethoxy)methane		0.432	0.415	0.436	0.429	0.407	0.421	2.5
2,4-Dichlorophenol		0.259	0.267	0.295	0.300	0.288	0.285	5.6
1,2,4-Trichlorobenzene		0.332	0.315	0.334	0.328	0.314	0.323	2.5
Benzoic acid			0.117	0.161	0.183	0.189	0.178	19.7
Naphthalene		1.049	1.001	1.040	0.996	0.941	0.991	4.4
4-Chloroaniline		0.376	0.369	0.400	0.390	0.369	0.378	3.1
Hexachlorobutadiene		0.202	0.194	0.201	0.200	0.192	0.198	2.0
Caprolactam		0.071	0.079	0.096	0.100	0.097	0.092	13.3
4-Chloro-3-methylphenol		0.304	0.312	0.342	0.337	0.322	0.325	4.1
2-Methylnaphthalene		0.732	0.698	0.724	0.692	0.656	0.690	4.4
Hexachlorocyclopentadiene		0.199	0.195	0.217	0.225	0.219	0.216	6.3
2,4,6-Trichlorophenol		0.301	0.308	0.352	0.367	0.359	0.348	8.9

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.: BM052224 SAS No.: BM052224 SDG No.: BM052224
Instrument ID: _____ Calibration Date(s): 5/22/2024 : _____
Calibration Time(s): 10:42 _____

LAB FILE ID:		RRF2.5 = BM045738.D		RRF005 = BM045739.D		RRF010 = BM045740.D		
		RRF020 = BM045741.D		RRF040 = BM045742.D		RRF050 = BM045743.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.361	1.272	1.289	1.249	1.177	1.244	5.6
2,4,5-Trichlorophenol		0.331	0.345	0.397	0.405	0.398	0.387	9.0
1,1-Biphenyl		1.425	1.353	1.398	1.353	1.292	1.348	3.7
2-Chloronaphthalene		1.118	1.053	1.101	1.049	1.005	1.055	3.9
2-Nitroaniline		0.256	0.278	0.345	0.365	0.355	0.333	13.8
Dimethylphthalate		1.357	1.306	1.390	1.387	1.330	1.353	2.2
Acenaphthylene		1.649	1.595	1.674	1.627	1.535	1.600	3.3
2,6-Dinitrotoluene		0.234	0.260	0.301	0.309	0.305	0.290	10.7
3-Nitroaniline		0.231	0.252	0.309	0.322	0.313	0.296	13.0
Acenaphthene		1.042	0.993	1.050	1.016	0.962	1.003	3.4
2,4-Dinitrophenol			0.075	0.111	0.137	0.147	0.134	26.4
4-Nitrophenol			0.185	0.246	0.264	0.263	0.252	13.8
Dibenzofuran		1.695	1.608	1.664	1.584	1.487	1.581	5.1
2,4-Dinitrotoluene		0.296	0.331	0.411	0.422	0.404	0.386	13.2
Diethylphthalate		1.418	1.363	1.460	1.456	1.384	1.414	2.5
4-Chlorophenyl-phenylether		0.675	0.644	0.649	0.632	0.604	0.632	4.1
Fluorene		1.386	1.330	1.360	1.303	1.227	1.292	5.5
4-Nitroaniline		0.234	0.251	0.314	0.324	0.308	0.294	12.3
4,6-Dinitro-2-methylphenol			0.060	0.087	0.098	0.097	0.092	18.2
n-Nitrosodiphenylamine		0.535	0.521	0.541	0.521	0.488	0.512	4.5
Azobenzene		1.452	1.383	1.458	1.398	1.289	1.370	5.2
2,4,6-Tribromophenol		0.189	0.194	0.225	0.225	0.215	0.212	6.8
4-Bromophenyl-phenylether		0.197	0.187	0.197	0.195	0.183	0.190	3.1
Hexachlorobenzene		0.237	0.225	0.234	0.232	0.218	0.226	3.5
Atrazine		0.176	0.168	0.177	0.159	0.146	0.156	11.9
Pentachlorophenol		0.105	0.117	0.144	0.149	0.147	0.138	13.8
Phenanthrene		1.007	0.975	0.994	0.958	0.889	0.944	5.5
Anthracene		0.968	0.949	0.988	0.952	0.881	0.928	5.1
Carbazole		0.959	0.946	0.998	0.952	0.880	0.929	5.1
Di-n-butylphthalate		1.111	1.121	1.231	1.213	1.130	1.153	4.2
Fluoranthene		1.222	1.169	1.217	1.172	1.098	1.151	5.2
Benzidine		0.232	0.239	0.317	0.467	0.339	0.342	25.6
Pyrene		1.342	1.339	1.428	1.484	1.396	1.411	3.9
Terphenyl-d14		1.115	1.076	1.122	1.145	1.058	1.087	3.9
Butylbenzylphthalate		0.505	0.529	0.617	0.672	0.635	0.611	11.0
3,3-Dichlorobenzidine		0.404	0.413	0.463	0.471	0.437	0.437	5.6

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.: BM052224 SAS No.: BM052224 SDG No.: BM052224
Instrument ID: _____ Calibration Date(s): 5/22/2024 : _____
Calibration Time(s): 10:42 _____

LAB FILE ID:		RRF2.5 = BM045738.D			RRF005 = BM045739.D		RRF010 = BM045740.D	
		RRF020 = BM045741.D			RRF040 = BM045742.D		RRF050 = BM045743.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.271	1.242	1.311	1.307	1.239	1.274	2.2
Chrysene		1.203	1.180	1.234	1.215	1.158	1.195	2.1
Bis(2-ethylhexyl)phthalate		0.796	0.796	0.893	0.912	0.862	0.858	5.3
Di-n-octyl phthalate		1.352	1.367	1.519	1.589	1.516	1.497	6.5
Benzo(b)fluoranthene		1.123	1.125	1.164	1.160	1.095	1.134	2.2
Benzo(k)fluoranthene		1.109	1.036	1.129	1.088	1.025	1.077	3.4
Benzo(a)pyrene		0.967	0.944	1.021	1.017	0.964	0.986	2.9
Indeno(1,2,3-cd)pyrene		1.197	1.152	1.228	1.184	1.116	1.151	5.0
Dibenzo(a,h)anthracene		0.975	0.960	1.028	0.982	0.928	0.953	5.2
Benzo(g,h,i)perylene		1.036	0.994	1.059	1.012	0.962	0.989	5.4
1,2,4,5-Tetrachlorobenzene		0.526	0.496	0.523	0.525	0.504	0.516	2.2
1,4-Dioxane		0.488	0.482	0.479	0.464	0.445	0.466	3.8
2,3,4,6-Tetrachlorophenol		0.278	0.299	0.336	0.340	0.326	0.322	7.5
1-Methylnaphthalene		0.725	0.684	0.716	0.684	0.645	0.681	4.5

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: CHEMTECH

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG NO.: BM052324

EPA Sample No.: SSTDICCC040 Date Analyzed: May 23 2024 12:00AM

Lab File ID: BM045742.D Time Analyzed: 12:40

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	302671	7.569	1.31438e+01	10.34	864604	14.20
UPPER LIMIT	605342	8.069	2628760	10.839	1729208	14.698
LOWER LIMIT	151335.5	7.069	657190	9.839	432302	13.698
EPA SAMPLE NO.						
01 PB161074BS	327235	7.56	1.42745e	10.33	875413	14.20
02 PB161074BSD	321762	7.56	1.39736e	10.33	858350	14.20
03 PB161074BL	287843	7.57	1.17923e	10.34	714707	14.20
04 PB160904BS	329592	7.56	1.45831e	10.33	904037	14.20
05 PB160904BSD	341553	7.56	1.46672e	10.33	902952	14.20
06 PB160904BL	292615	7.57	1.1883e+	10.34	721374	14.20
07 240515056-01	231189	7.56	872039	10.33	553509	14.20
08 EFF-WW	259250	7.56	1.07046e	10.33	670404	14.19

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: CHEMTECH

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG NO.: BM052324

EPA Sample No.: SSTDICCC040 Date Analyzed: May 23 2024 12:00AM

Lab File ID: BM045742.D Time Analyzed: 12:40

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	302671	7.569	1.31438e+01	10.34	864604	14.20
UPPER LIMIT	605342	8.069	2628760	10.839	1729208	14.698
LOWER LIMIT	151335.5	7.069	657190	9.839	432302	13.698
EPA SAMPLE NO.						
01 PB161074BS	327235	7.56	1.42745e	10.33	875413	14.20
02 PB161074BSD	321762	7.56	1.39736e	10.33	858350	14.20
03 PB161074BL	287843	7.57	1.17923e	10.34	714707	14.20
04 PB160904BS	329592	7.56	1.45831e	10.33	904037	14.20
05 PB160904BSD	341553	7.56	1.46672e	10.33	902952	14.20
06 PB160904BL	292615	7.57	1.1883e+	10.34	721374	14.20
07 240515056-01	231189	7.56	872039	10.33	553509	14.20
08 EFF-WW	259250	7.56	1.07046e	10.33	670404	14.19

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: CHEMTECH

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG NO.: BM052324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 23 2024 12:00AM

Lab File ID: BM045749.D Time Analyzed: 12:40

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	402496	7.563	1.71993e+01	10.33	1.10934e+001	14.20
UPPER LIMIT	804992	8.063	3439860	10.833	2218680	14.698
LOWER LIMIT	201248	7.063	859965	9.833	554670	13.698
EPA SAMPLE NO.						
01 PB161074BS	327235	7.56	1.42745e	10.33	875413	14.20
02 PB161074BSD	321762	7.56	1.39736e	10.33	858350	14.20
03 PB161074BL	287843	7.57	1.17923e	10.34	714707	14.20
04 PB160904BS	329592	7.56	1.45831e	10.33	904037	14.20
05 PB160904BSD	341553	7.56	1.46672e	10.33	902952	14.20
06 PB160904BL	292615	7.57	1.1883e+	10.34	721374	14.20
07 240515056-01	231189	7.56	872039	10.33	553509 *	14.20
08 EFF-WW	259250	7.56	1.07046e	10.33	670404	14.19

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG NO.: BM052324

EPA Sample No.: SSTDICCC040 Date Analyzed: May 23 2024 12:00AM

Lab File ID: BM045742.D Time Analyzed: 12:40

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.83048e+01	16.951	1.49428e+01	21.168	1.75094e+01	23.962
UPPER LIMIT	3660960	17.451	2988560	21.668	3501880	24.462
LOWER LIMIT	915240	16.451	747140	20.668	875470	23.462
EPA SAMPLE NO.						
01 PB161074BS	1.87055	16.95	1.51884e+01	21.16	1.68413e+01	23.96
02 PB161074BSD	1.85256	16.95	1.51862e+01	21.16	1.74201e+01	23.96
03 PB161074BL	1.51823	16.95	1.33623e+01	21.16	1.40765e+01	23.95
04 PB160904BS	1.94802	16.95	1.57934e+01	21.16	1.76185e+01	23.95
05 PB160904BSD	1.94931	16.95	1.60905e+01	21.16	1.83117e+01	23.95
06 PB160904BL	1.55755	16.95	1.39154e+01	21.16	1.45965e+01	23.95
07 240515056-01	1.29834	16.94	1.52683e+01	21.16	1.68638e+01	23.94
08 EFF-WW	1.3053e	16.94	1.26717e+01	21.16	1.38504e+01	23.95

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: CHEMTECH

Lab Code: CHEM Case No.: BM052324 SAS No.: BM052324 SDG NO.: BM052324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 23 2024 12:00AM

Lab File ID: BM045749.D Time Analyzed: 12:40

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	2.38291e+01	16.945	1.92827e+	21.162	2.21577e+01	23.956
UPPER LIMIT	4765820	17.445	3856540	21.662	4431540	24.456
LOWER LIMIT	1191455	16.445	964135	20.662	1107885	23.456
EPA SAMPLE NO.						
01 PB161074BS	1.87055	16.95	1.51884e+	21.16	1.68413e+	23.96
02 PB161074BSD	1.85256	16.95	1.51862e+	21.16	1.74201e+	23.96
03 PB161074BL	1.51823	16.95	1.33623e+	21.16	1.40765e+	23.95
04 PB160904BS	1.94802	16.95	1.57934e+	21.16	1.76185e+	23.95
05 PB160904BSD	1.94931	16.95	1.60905e+	21.16	1.83117e+	23.95
06 PB160904BL	1.55755	16.95	1.39154e+	21.16	1.45965e+	23.95
07 240515056-01	1.29834	16.94	1.52683e+	21.16	1.68638e+	23.94
08 EFF-WW	1.3053e	16.94	1.26717e+	21.16	1.38504e+	23.95

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.: BM052324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160904BS	n-Nitrosodimethylamine	50	43.6	ug/L	87				52	110	
	Pyridine	50	32.3	ug/L	65				55	145	
	Benzaldehyde	50	12.4	ug/L	25				10	110	
	Aniline	50	42.1	ug/L	84				50	150	
	Phenol	50	48.9	ug/L	98				48	130	
	bis(2-Chloroethyl)ether	50	44.2	ug/L	88				52	130	
	2-Chlorophenol	50	50.2	ug/L	100				55	130	
	1,2-Dichlorobenzene	50	43.4	ug/L	87				32	129	
	1,3-Dichlorobenzene	50	41.8	ug/L	84				1	172	
	1,4-Dichlorobenzene	50	41.8	ug/L	84				20	124	
	Benzyl Alcohol	50	47.2	ug/L	94				10	156	
	2-Methylphenol	50	49.2	ug/L	98				15	153	
	2,2-oxybis(1-Chloropropane)	50	46	ug/L	92				63	139	
	Acetophenone	50	41.6	ug/L	83				21	128	
	3+4-Methylphenols	50	47.2	ug/L	94				10	156	
	N-Nitroso-di-n-propylamine	50	42.4	ug/L	85				59	170	
	Hexachloroethane	50	42.3	ug/L	85				55	130	
	Nitrobenzene	50	42.5	ug/L	85				54	158	
	Isophorone	50	42.6	ug/L	85				52	180	
	2-Nitrophenol	50	44.5	ug/L	89				61	163	
	2,4-Dimethylphenol	50	64.1	ug/L	128				58	130	
	bis(2-Chloroethoxy)methane	50	43.7	ug/L	87				52	164	
	2,4-Dichlorophenol	50	48.1	ug/L	96				64	130	
	1,2,4-Trichlorobenzene	50	42	ug/L	84				44	142	
	Benzoic acid	50	41.9	ug/L	84				10	159	
	Naphthalene	50	41.5	ug/L	83				70	130	
	4-Chloroaniline	50	26.4	ug/L	53				10	126	
	Hexachlorobutadiene	50	40.3	ug/L	81				68	130	
	Caprolactam	50	47.2	ug/L	94				10	160	
	4-Chloro-3-methylphenol	50	44.5	ug/L	89				68	130	
	2-Methylnaphthalene	50	41.5	ug/L	83				25	124	
	Hexachlorocyclopentadiene	100	150	ug/L	150		*		21	137	
	2,4,6-Trichlorophenol	50	49.5	ug/L	99				69	130	
	2,4,5-Trichlorophenol	50	47.5	ug/L	95				74	100	
	1,1-Biphenyl	50	43.9	ug/L	88				20	125	
	2-Chloronaphthalene	50	43.1	ug/L	86				70	130	
	2-Nitroaniline	50	51	ug/L	102				61	112	
	Dimethylphthalate	50	45.7	ug/L	91				50	130	
	Acenaphthylene	50	45.9	ug/L	92				60	130	
	2,6-Dinitrotoluene	50	46.3	ug/L	93				68	137	
	3-Nitroaniline	50	34.3	ug/L	69				35	106	
	Acenaphthene	50	44.6	ug/L	89				70	130	
	Total PAH	800	728.6	ug/L	91				70	130	
	2,4-Dinitrophenol	100	93.8	ug/L	94				39	173	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM052324**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160904BS	4-Nitrophenol	100	100	ug/L	100				35	130	
	Dibenzofuran	50	44.1	ug/L	88				29	125	
	2,4-Dinitrotoluene/2,6-Dinitro	100	92.9	ug/L	93				53	130	
	2,4-Dinitrotoluene	50	46.6	ug/L	93				53	130	
	Diethylphthalate	50	44.6	ug/L	89				47	130	
	4-Chlorophenyl-phenylether	50	44.1	ug/L	88				57	145	
	Fluorene	50	44	ug/L	88				70	130	
	4-Nitroaniline	50	46.6	ug/L	93				69	101	
	4,6-Dinitro-2-methylphenol	50	46.7	ug/L	93				56	130	
	N-Nitrosodiphenylamine	50	45.6	ug/L	91				63	100	
	Azobenzene	50	45	ug/L	90				58	105	
	4-Bromophenyl-phenylether	50	44.2	ug/L	88				70	130	
	Hexachlorobenzene	50	42.7	ug/L	85				38	142	
	Atrazine	50	57.1	ug/L	114				51	130	
	Pentachlorophenol	100	91.7	ug/L	92				42	152	
	Phenanthrene	50	45.3	ug/L	91				67	130	
	Anthracene	50	45.6	ug/L	91				58	130	
	Carbazole	50	44.2	ug/L	88				60	125	
	Di-n-butylphthalate	50	44.8	ug/L	90				52	130	
	Fluoranthene	50	42.8	ug/L	86				47	130	
	Benzidine	100	48.5	ug/L	49				10	133	
	Pyrene	50	44.8	ug/L	90				70	130	
	Butylbenzylphthalate	50	47.1	ug/L	94				43	140	
	3,3-Dichlorobenzidine	50	39.9	ug/L	80				18	213	
	Benzo(a)anthracene	50	45.4	ug/L	91				42	133	
	Chrysene	50	44.1	ug/L	88				44	140	
	bis(2-Ethylhexyl)phthalate	50	46	ug/L	92				43	137	
	Di-n-octyl phthalate	50	46.9	ug/L	94				21	132	
	Benzo(b)fluoranthene	50	47.5	ug/L	95				42	140	
	Benzo(k)fluoranthene	50	47.7	ug/L	95				25	146	
	Benzo(a)pyrene	50	46.5	ug/L	93				32	148	
	Indeno(1,2,3-cd)pyrene	50	47.9	ug/L	96				13	151	
	Dibenz(a,h)anthracene	50	48.6	ug/L	97				13	200	
	Benzo(g,h,i)perylene	50	46.4	ug/L	93				13	195	
	1,2,4,5-Tetrachlorobenzene	50	43.9	ug/L	88				70	130	
	2,3,4,6-Tetrachlorophenol	50	50.4	ug/L	101				70	130	
	1,4-Dioxane	50	34.1	ug/L	68			*	70	130	
PB160904BSD	n-Nitrosodimethylamine	50	43.2	ug/L	86	1			52	110	20
	Pyridine	50	31.7	ug/L	63	2			55	145	20
	Benzaldehyde	50	12.4	ug/L	25	0			10	110	20
	Aniline	50	41.9	ug/L	84	0			50	150	20
	Phenol	50	48	ug/L	96	2			48	130	20
	bis(2-Chloroethyl)ether	50	43.5	ug/L	87	2			52	130	20
	2-Chlorophenol	50	49.5	ug/L	99	1			55	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM052324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160904BSD	1,2-Dichlorobenzene	50	43	ug/L	86	1			32	129	20
	1,3-Dichlorobenzene	50	41.2	ug/L	82	1			1	172	20
	1,4-Dichlorobenzene	50	41.4	ug/L	83	1			20	124	20
	Benzyl Alcohol	50	46.6	ug/L	93	1			10	156	20
	2-Methylphenol	50	48.2	ug/L	96	2			15	153	20
	2,2-oxybis(1-Chloropropane)	50	45.3	ug/L	91	2			63	139	20
	Acetophenone	50	42.2	ug/L	84	1			21	128	20
	3+4-Methylphenols	50	46.3	ug/L	93	2			10	156	20
	N-Nitroso-di-n-propylamine	50	41.7	ug/L	83	2			59	170	20
	Hexachloroethane	50	40.9	ug/L	82	3			55	130	20
	Nitrobenzene	50	42.9	ug/L	86	1			54	158	20
	Isophorone	50	43.2	ug/L	86	1			52	180	20
	2-Nitrophenol	50	44.8	ug/L	90	1			61	163	20
	2,4-Dimethylphenol	50	64.3	ug/L	129	0			58	130	20
	bis(2-Chloroethoxy)methane	50	43.9	ug/L	88	0			52	164	20
	2,4-Dichlorophenol	50	48.3	ug/L	97	0			64	130	20
	1,2,4-Trichlorobenzene	50	42.4	ug/L	85	1			44	142	20
	Benzoic acid	50	42.7	ug/L	85	2			10	159	20
	Naphthalene	50	41.6	ug/L	83	0			70	130	20
	4-Chloroaniline	50	27.3	ug/L	55	3			10	126	20
	Hexachlorobutadiene	50	40.5	ug/L	81	0			68	130	20
	Caprolactam	50	48.5	ug/L	97	3			10	160	20
	4-Chloro-3-methylphenol	50	45.1	ug/L	90	1			68	130	20
	2-Methylnaphthalene	50	41.9	ug/L	84	1			25	124	20
	Hexachlorocyclopentadiene	100	150	ug/L	150	0	*		21	137	20
	2,4,6-Trichlorophenol	50	50.1	ug/L	100	1			69	130	20
	2,4,5-Trichlorophenol	50	47.5	ug/L	95	0			74	100	20
	1,1-Biphenyl	50	44.4	ug/L	89	1			20	125	20
	2-Chloronaphthalene	50	43.4	ug/L	87	1			70	130	20
	2-Nitroaniline	50	51.7	ug/L	103	1			61	112	20
	Dimethylphthalate	50	45.6	ug/L	91	0			50	130	20
	Acenaphthylene	50	46.5	ug/L	93	1			60	130	20
	2,6-Dinitrotoluene	50	46.9	ug/L	94	1			68	137	20
	3-Nitroaniline	50	35	ug/L	70	2			35	106	20
	Acenaphthene	50	44.9	ug/L	90	1			70	130	20
	Total PAH	800	729.1	ug/L	91	0			70	130	20
	2,4-Dinitrophenol	100	95.3	ug/L	95	2			39	173	20
	4-Nitrophenol	100	100	ug/L	100	0			35	130	20
	Dibenzofuran	50	44.2	ug/L	88	0			29	125	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	94.3	ug/L	94	1			53	130	20
	2,4-Dinitrotoluene	50	47.4	ug/L	95	2			53	130	20
	Diethylphthalate	50	44.6	ug/L	89	0			47	130	20
	4-Chlorophenyl-phenylether	50	44.3	ug/L	89	0			57	145	20
	Fluorene	50	44.4	ug/L	89	1			70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM052324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160904BSD	4-Nitroaniline	50	47.6	ug/L	95	2			69	101	20
	4,6-Dinitro-2-methylphenol	50	47.8	ug/L	96	2			56	130	20
	N-Nitrosodiphenylamine	50	45.6	ug/L	91	0			63	100	20
	Azobenzene	50	44.7	ug/L	89	1			58	105	20
	4-Bromophenyl-phenylether	50	44.5	ug/L	89	1			70	130	20
	Hexachlorobenzene	50	42.5	ug/L	85	0			38	142	20
	Atrazine	50	56.9	ug/L	114	0			51	130	20
	Pentachlorophenol	100	92.2	ug/L	92	1			42	152	20
	Phenanthrene	50	45.1	ug/L	90	0			67	130	20
	Anthracene	50	45.6	ug/L	91	0			58	130	20
	Carbazole	50	44.5	ug/L	89	1			60	125	20
	Di-n-butylphthalate	50	44.4	ug/L	89	1			52	130	20
	Fluoranthene	50	43.2	ug/L	86	1			47	130	20
	Benzidine	100	49.7	ug/L	50	2			10	133	20
	Pyrene	50	44	ug/L	88	2			70	130	20
	Butylbenzylphthalate	50	46.1	ug/L	92	2			43	140	20
	3,3-Dichlorobenzidine	50	40.6	ug/L	81	2			18	213	20
	Benzo(a)anthracene	50	45.1	ug/L	90	1			42	133	20
	Chrysene	50	44.1	ug/L	88	0			44	140	20
	bis(2-Ethylhexyl)phthalate	50	45.5	ug/L	91	1			43	137	20
	Di-n-octyl phthalate	50	46.7	ug/L	93	0			21	132	20
	Benzo(b)fluoranthene	50	46.7	ug/L	93	2			42	140	20
	Benzo(k)fluoranthene	50	47.2	ug/L	94	1			25	146	20
	Benzo(a)pyrene	50	46.4	ug/L	93	0			32	148	20
	Indeno(1,2,3-cd)pyrene	50	48.3	ug/L	97	1			13	151	20
	Dibenz(a,h)anthracene	50	49	ug/L	98	1			13	200	20
	Benzo(g,h,i)perylene	50	47	ug/L	94	1			13	195	20
	1,2,4,5-Tetrachlorobenzene	50	44.3	ug/L	89	1			70	130	20
	2,3,4,6-Tetrachlorophenol	50	51	ug/L	102	1			70	130	20
	1,4-Dioxane	50	33.4	ug/L	67	2	*		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM052324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161074BS	n-Nitrosodimethylamine	50	41.9	ug/L	84				52	110	
	Pyridine	50	32.3	ug/L	65				55	145	
	Benzaldehyde	50	12.5	ug/L	25				10	110	
	Aniline	50	41	ug/L	82				50	150	
	Phenol	50	47.8	ug/L	96				48	130	
	bis(2-Chloroethyl)ether	50	43.7	ug/L	87				52	130	
	2-Chlorophenol	50	49.6	ug/L	99				55	130	
	1,2-Dichlorobenzene	50	42.9	ug/L	86				32	129	
	1,3-Dichlorobenzene	50	41.6	ug/L	83				1	172	
	1,4-Dichlorobenzene	50	41.8	ug/L	84				20	124	
	Benzyl Alcohol	50	46.3	ug/L	93				10	156	
	2-Methylphenol	50	47.9	ug/L	96				15	153	
	2,2-oxybis(1-Chloropropane)	50	45	ug/L	90				63	139	
	Acetophenone	50	41.6	ug/L	83				21	128	
	3+4-Methylphenols	50	46.1	ug/L	92				10	156	
	N-Nitroso-di-n-propylamine	50	41.6	ug/L	83				59	170	
	Hexachloroethane	50	41.5	ug/L	83				55	130	
	Nitrobenzene	50	42	ug/L	84				54	158	
	Isophorone	50	42.3	ug/L	85				52	180	
	2-Nitrophenol	50	44.3	ug/L	89				61	163	
	2,4-Dimethylphenol	50	63.2	ug/L	126				58	130	
	bis(2-Chloroethoxy)methane	50	43.1	ug/L	86				52	164	
	2,4-Dichlorophenol	50	47.6	ug/L	95				64	130	
	1,2,4-Trichlorobenzene	50	41.6	ug/L	83				44	142	
	Benzoic acid	50	41.2	ug/L	82				10	159	
	Naphthalene	50	41	ug/L	82				70	130	
	4-Chloroaniline	50	25	ug/L	50				10	126	
	Hexachlorobutadiene	50	40.1	ug/L	80				68	130	
	Caprolactam	50	47.5	ug/L	95				10	160	
	4-Chloro-3-methylphenol	50	43.8	ug/L	88				68	130	
	2-Methylnaphthalene	50	40.7	ug/L	81				25	124	
	Hexachlorocyclopentadiene	100	150	ug/L	150		*		21	137	
	2,4,6-Trichlorophenol	50	49	ug/L	98				69	130	
	2,4,5-Trichlorophenol	50	47.2	ug/L	94				74	100	
	1,1-Biphenyl	50	43.8	ug/L	88				20	125	
	2-Chloronaphthalene	50	43	ug/L	86				70	130	
	2-Nitroaniline	50	50.1	ug/L	100				61	112	
	Dimethylphthalate	50	45.2	ug/L	90				50	130	
	Acenaphthylene	50	45.6	ug/L	91				60	130	
	2,6-Dinitrotoluene	50	46.1	ug/L	92				68	137	
	3-Nitroaniline	50	33.3	ug/L	67				35	106	
	Acenaphthene	50	44.3	ug/L	89				70	130	
	Total PAH	800	719.6	ug/L	90				70	130	
	2,4-Dinitrophenol	100	93.7	ug/L	94				39	173	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM052324**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB161074BS	4-Nitrophenol	100	100	ug/L	100				35	130	
	Dibenzofuran	50	43.8	ug/L	88				29	125	
	2,4-Dinitrotoluene	50	46.8	ug/L	94				53	130	
	2,4-Dinitrotoluene/2,6-Dinitro	100	92.9	ug/L	93				53	130	
	Diethylphthalate	50	44.3	ug/L	89				47	130	
	4-Chlorophenyl-phenylether	50	43.7	ug/L	87				57	145	
	Fluorene	50	43.4	ug/L	87				70	130	
	4-Nitroaniline	50	46.3	ug/L	93				69	101	
	4,6-Dinitro-2-methylphenol	50	47.1	ug/L	94				56	130	
	N-Nitrosodiphenylamine	50	45.2	ug/L	90				63	100	
	Azobenzene	50	44.1	ug/L	88				58	105	
	4-Bromophenyl-phenylether	50	44	ug/L	88				70	130	
	Hexachlorobenzene	50	42.6	ug/L	85				38	142	
	Atrazine	50	56.5	ug/L	113				51	130	
	Pentachlorophenol	100	91	ug/L	91				42	152	
	Phenanthrene	50	44.6	ug/L	89				67	130	
	Anthracene	50	45.2	ug/L	90				58	130	
	Carbazole	50	43.9	ug/L	88				60	125	
	Di-n-butylphthalate	50	44.3	ug/L	89				52	130	
	Fluoranthene	50	42.6	ug/L	85				47	130	
	Benzidine	100	49.2	ug/L	49				10	133	
	Pyrene	50	44.3	ug/L	89				70	130	
	Butylbenzylphthalate	50	46.2	ug/L	92				43	140	
	3,3-Dichlorobenzidine	50	38.6	ug/L	77				18	213	
	Benzo(a)anthracene	50	44.7	ug/L	89				42	133	
	Chrysene	50	43.3	ug/L	87				44	140	
	bis(2-Ethylhexyl)phthalate	50	45.4	ug/L	91				43	137	
	Di-n-octyl phthalate	50	46.4	ug/L	93				21	132	
	Benzo(b)fluoranthene	50	46.5	ug/L	93				42	140	
	Benzo(k)fluoranthene	50	47.6	ug/L	95				25	146	
	Benzo(a)pyrene	50	46.3	ug/L	93				32	148	
	Indeno(1,2,3-cd)pyrene	50	47	ug/L	94				13	151	
	Dibenz(a,h)anthracene	50	47.8	ug/L	96				13	200	
	Benzo(g,h,i)perylene	50	45.4	ug/L	91				13	195	
	1,2,4,5-Tetrachlorobenzene	50	44.1	ug/L	88				70	130	
	2,3,4,6-Tetrachlorophenol	50	49.5	ug/L	99				70	130	
	1,4-Dioxane	50	33.7	ug/L	67			*	70	130	
PB161074BSD	n-Nitrosodimethylamine	50	43	ug/L	86	3			52	110	20
	Pyridine	50	32.4	ug/L	65	0			55	145	20
	Benzaldehyde	50	12.6	ug/L	25	1			10	110	20
	Aniline	50	40.9	ug/L	82	0			50	150	20
	Phenol	50	48.8	ug/L	98	2			48	130	20
	bis(2-Chloroethyl)ether	50	43.4	ug/L	87	1			52	130	20
	2-Chlorophenol	50	50.2	ug/L	100	1			55	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM052324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB161074BSD	1,2-Dichlorobenzene	50	43.3	ug/L	87	1			32	129	20
	1,3-Dichlorobenzene	50	41.9	ug/L	84	1			1	172	20
	1,4-Dichlorobenzene	50	42	ug/L	84	0			20	124	20
	Benzyl Alcohol	50	47.3	ug/L	95	2			10	156	20
	2-Methylphenol	50	48.5	ug/L	97	1			15	153	20
	2,2-oxybis(1-Chloropropane)	50	45.1	ug/L	90	0			63	139	20
	Acetophenone	50	41.7	ug/L	83	0			21	128	20
	3+4-Methylphenols	50	46.5	ug/L	93	1			10	156	20
	N-Nitroso-di-n-propylamine	50	42.1	ug/L	84	1			59	170	20
	Hexachloroethane	50	41.3	ug/L	83	0			55	130	20
	Nitrobenzene	50	42.6	ug/L	85	1			54	158	20
	Isophorone	50	42.8	ug/L	86	1			52	180	20
	2-Nitrophenol	50	44.7	ug/L	89	1			61	163	20
	2,4-Dimethylphenol	50	64.4	ug/L	129	2			58	130	20
	bis(2-Chloroethoxy)methane	50	43.6	ug/L	87	1			52	164	20
	2,4-Dichlorophenol	50	48	ug/L	96	1			64	130	20
	1,2,4-Trichlorobenzene	50	42.1	ug/L	84	1			44	142	20
	Benzoic acid	50	41.5	ug/L	83	1			10	159	20
	Naphthalene	50	41.5	ug/L	83	1			70	130	20
	4-Chloroaniline	50	26.6	ug/L	53	6			10	126	20
	Hexachlorobutadiene	50	40.3	ug/L	81	0			68	130	20
	Caprolactam	50	47.9	ug/L	96	1			10	160	20
	4-Chloro-3-methylphenol	50	44.8	ug/L	90	2			68	130	20
	2-Methylnaphthalene	50	41.5	ug/L	83	2			25	124	20
	Hexachlorocyclopentadiene	100	150	ug/L	150	0	*		21	137	20
	2,4,6-Trichlorophenol	50	49.8	ug/L	100	2			69	130	20
	2,4,5-Trichlorophenol	50	48.2	ug/L	96	2			74	100	20
	1,1-Biphenyl	50	44.1	ug/L	88	1			20	125	20
	2-Chloronaphthalene	50	43.6	ug/L	87	1			70	130	20
	2-Nitroaniline	50	51.1	ug/L	102	2			61	112	20
	Dimethylphthalate	50	45.9	ug/L	92	2			50	130	20
	Acenaphthylene	50	46.3	ug/L	93	2			60	130	20
	2,6-Dinitrotoluene	50	46.6	ug/L	93	1			68	137	20
	3-Nitroaniline	50	34.7	ug/L	69	4			35	106	20
	Acenaphthene	50	44.8	ug/L	90	1			70	130	20
	Total PAH	800	730.1	ug/L	91	1			70	130	20
	2,4-Dinitrophenol	100	96	ug/L	96	2			39	173	20
	4-Nitrophenol	100	100	ug/L	100	0			35	130	20
	Dibenzofuran	50	44.4	ug/L	89	1			29	125	20
	2,4-Dinitrotoluene	50	47.2	ug/L	94	1			53	130	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	93.8	ug/L	94	1			53	130	20
	Diethylphthalate	50	44.5	ug/L	89	0			47	130	20
	4-Chlorophenyl-phenylether	50	44.4	ug/L	89	2			57	145	20
	Fluorene	50	44.4	ug/L	89	2			70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM052324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB161074BSD	4-Nitroaniline	50	47.5	ug/L	95	3			69	101	20
	4,6-Dinitro-2-methylphenol	50	47.6	ug/L	95	1			56	130	20
	N-Nitrosodiphenylamine	50	45.9	ug/L	92	2			63	100	20
	Azobenzene	50	44.8	ug/L	90	2			58	105	20
	4-Bromophenyl-phenylether	50	44.7	ug/L	89	2			70	130	20
	Hexachlorobenzene	50	42.9	ug/L	86	1			38	142	20
	Atrazine	50	56.7	ug/L	113	0			51	130	20
	Pentachlorophenol	100	91.8	ug/L	92	1			42	152	20
	Phenanthrene	50	44.9	ug/L	90	1			67	130	20
	Anthracene	50	45.7	ug/L	91	1			58	130	20
	Carbazole	50	44.8	ug/L	90	2			60	125	20
	Di-n-butylphthalate	50	44.6	ug/L	89	1			52	130	20
	Fluoranthene	50	43.2	ug/L	86	1			47	130	20
	Benzidine	100	51	ug/L	51	4			10	133	20
	Pyrene	50	44.5	ug/L	89	0			70	130	20
	Butylbenzylphthalate	50	46.6	ug/L	93	1			43	140	20
	3,3-Dichlorobenzidine	50	40.5	ug/L	81	5			18	213	20
	Benzo(a)anthracene	50	45.2	ug/L	90	1			42	133	20
	Chrysene	50	44.2	ug/L	88	2			44	140	20
	bis(2-Ethylhexyl)phthalate	50	45.5	ug/L	91	0			43	137	20
	Di-n-octyl phthalate	50	46.6	ug/L	93	0			21	132	20
	Benzo(b)fluoranthene	50	46.5	ug/L	93	0			42	140	20
	Benzo(k)fluoranthene	50	47	ug/L	94	1			25	146	20
	Benzo(a)pyrene	50	46.9	ug/L	94	1			32	148	20
	Indeno(1,2,3-cd)pyrene	50	48.6	ug/L	97	3			13	151	20
	Dibenz(a,h)anthracene	50	49.2	ug/L	98	3			13	200	20
	Benzo(g,h,i)perylene	50	47.2	ug/L	94	4			13	195	20
	1,2,4,5-Tetrachlorobenzene	50	44.3	ug/L	89	0			70	130	20
	2,3,4,6-Tetrachlorophenol	50	50.8	ug/L	102	3			70	130	20
	1,4-Dioxane	50	33.9	ug/L	68	1	*		70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160904BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM052324

SAS No.: BM052324 SDG NO.: BM052324

Lab File ID: BM045755.D

Lab Sample ID: PB160904BL

Instrument ID: BNA_M

Date Extracted: 05/14/2024

Matrix: (soil/water) Water

Date Analyzed: 05/23/2024

Level: (low/med) LOW

Time Analyzed: 16:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EFF-WW	P2464-02	BM045757.D	05/23/2024
PB160904BS	PB160904BS	BM045753.D	05/23/2024
PB160904BSD	PB160904BSD	BM045754.D	05/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161074BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM052324

SAS No.: BM052324 SDG NO.: BM052324

Lab File ID: BM045752.D

Lab Sample ID: PB161074BL

Instrument ID: BNA_M

Date Extracted: 05/22/2024

Matrix: (soil/water) Water

Date Analyzed: 05/23/2024

Level: (low/med) LOW

Time Analyzed: 14:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
240515056-01	P2583-01	BM045756.D	05/23/2024
PB161074BS	PB161074BS	BM045750.D	05/23/2024
PB161074BSD	PB161074BSD	BM045751.D	05/23/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM052324**

Client: _____

Analytical Method: **625.1**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2464-02	EFF-WW	BM045757.D	2-Fluorophenol	100	57.39	57	*	60	140
			Phenol-d6	100	43.36	43	*	60	140
			Nitrobenzene-d5	100	97.54	98		60	140
			2-Fluorobiphenyl	100	104.70	105		60	140
			2,4,6-Tribromophenol	100	115.66	116		60	140
			Terphenyl-d14	100	83.42	83		60	140
PB160904BL	PB160904BL	BM045755.D	2-Fluorophenol	100	101.85	102		60	140
			Phenol-d6	100	100.47	100		60	140
			Nitrobenzene-d5	100	95.55	96		60	140
			2-Fluorobiphenyl	100	95.26	95		60	140
			2,4,6-Tribromophenol	100	89.81	90		60	140
			Terphenyl-d14	100	84.19	84		60	140
PB160904BS	PB160904BS	BM045753.D	2-Fluorophenol	100	99.50	99		60	140
			Phenol-d6	100	95.07	95		60	140
			Nitrobenzene-d5	100	83.89	84		60	140
			2-Fluorobiphenyl	100	84.19	84		60	140
			2,4,6-Tribromophenol	100	94.33	94		60	140
			Terphenyl-d14	100	85.90	86		60	140
PB160904BSD	PB160904BSD	BM045754.D	2-Fluorophenol	100	97.46	97		60	140
			Phenol-d6	100	93.43	93		60	140
			Nitrobenzene-d5	100	84.73	85		60	140
			2-Fluorobiphenyl	100	85.18	85		60	140
			2,4,6-Tribromophenol	100	93.93	94		60	140
			Terphenyl-d14	100	84.69	85		60	140

Surrogate Summary

SW-846

SDG No.: **BM052324**

Client: _____

Analytical Method: **625.1**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2583-01	240515056-01	BM045756.D	2-Fluorophenol	100	36.72	37	*	60	140
			Phenol-d6	100	20.04	20	*	60	140
			Nitrobenzene-d5	100	91.59	92		60	140
			2-Fluorobiphenyl	100	83.59	84		60	140
			2,4,6-Tribromophenol	100	99.13	99		60	140
			Terphenyl-d14	100	69.65	70		60	140
PB161074BL	PB161074BL	BM045752.D	2-Fluorophenol	100	103.03	103		60	140
			Phenol-d6	100	100.95	101		60	140
			Nitrobenzene-d5	100	95.04	95		60	140
			2-Fluorobiphenyl	100	94.21	94		60	140
			2,4,6-Tribromophenol	100	89.10	89		60	140
			Terphenyl-d14	100	85.59	86		60	140
PB161074BS	PB161074BS	BM045750.D	2-Fluorophenol	100	98.14	98		60	140
			Phenol-d6	100	93.32	93		60	140
			Nitrobenzene-d5	100	83.13	83		60	140
			2-Fluorobiphenyl	100	83.76	84		60	140
			2,4,6-Tribromophenol	100	93.25	93		60	140
			Terphenyl-d14	100	85.39	85		60	140
PB161074BSD	PB161074BSD	BM045751.D	2-Fluorophenol	100	99.18	99		60	140
			Phenol-d6	100	95.05	95		60	140
			Nitrobenzene-d5	100	84.24	84		60	140
			2-Fluorobiphenyl	100	84.70	85		60	140
			2,4,6-Tribromophenol	100	95.12	95		60	140
			Terphenyl-d14	100	85.43	85		60	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM052324

Lab Code: CHEM

SAS No.: BM052324

SDG NO.: BM052324

Lab File ID: BM045748.D

DFTPP Injection Date: 05/23/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.2
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	43.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	50.6
197	Less than 2.0% of mass 198	0.3
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	24.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	59.7
443	15.0 - 24.0% of mass 442	11.7 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM045749.D	05/23/2024	10:29
PB161074BS	PB161074BS	BM045750.D	05/23/2024	12:40
PB161074BSD	PB161074BSD	BM045751.D	05/23/2024	13:27
PB161074BL	PB161074BL	BM045752.D	05/23/2024	14:08
PB160904BS	PB160904BS	BM045753.D	05/23/2024	14:48
PB160904BSD	PB160904BSD	BM045754.D	05/23/2024	15:28
PB160904BL	PB160904BL	BM045755.D	05/23/2024	16:08
240515056-01	P2583-01	BM045756.D	05/23/2024	16:53
EFF-WW	P2464-02	BM045757.D	05/23/2024	17:33