

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG No.: BF042424

Instrument ID: BNA_F Calibration Date/Time: 4/24/2024 1:09:56

Lab File ID: BF137709.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.733	0.681		-7.094	
Pyridine	1.571	1.500		-4.519	
2-Fluorophenol	1.317	1.241		-5.771	
Benzaldehyde	0.938	0.813		-13.326	
Aniline	2.081	1.967		-5.478	
Phenol-d6	1.672	1.585		-5.203	
Phenol	1.670	1.578		-5.509	20.0
bis(2-Chloroethyl) ether	1.362	1.287		-5.507	
2-Chlorophenol	1.374	1.329		-3.275	
1,2-Dichlorobenzene	1.351	1.298		-3.923	
1,3-Dichlorobenzene	1.441	1.384		-3.956	
1,4-Dichlorobenzene	1.451	1.387		-4.411	20.0
Benzyl Alcohol	1.251	1.199		-4.157	
2-Methylphenol	1.221	1.154		-5.487	
2,2-oxybis(1-Chloropropane)	2.095	1.948		-7.017	
Acetophenone	0.489	0.463		-5.317	
3+4-Methylphenols	1.577	1.514		-3.995	
n-Nitroso-di-n-propylamine	1.081	1.013	0.050	-6.29	
Nitrobenzene-d5	0.377	0.363		-3.714	
Hexachloroethane	0.514	0.493		-4.086	
Nitrobenzene	0.381	0.368		-3.412	
Isophorone	0.700	0.658		-6.0	
2-Nitrophenol	0.167	0.171		2.395	20.0
2,4-Dimethylphenol	0.337	0.315		-6.528	
bis(2-Chloroethoxy) methane	0.427	0.406		-4.918	
2,4-Dichlorophenol	0.295	0.287		-2.712	20.0
1,2,4-Trichlorobenzene	0.301	0.289		-3.987	
Benzoic acid	0.213	0.208		-2.347	
Naphthalene	1.021	0.984		-3.624	
4-Chloroaniline	0.432	0.413		-4.398	
Hexachlorobutadiene	0.180	0.175		-2.778	20.0
Caprolactam	0.095	0.092		-3.158	
4-Chloro-3-methylphenol	0.313	0.303		-3.195	20.0
2-Methylnaphthalene	0.700	0.672		-4.0	
Hexachlorocyclopentadiene	0.307	0.301	0.050	-1.954	
2,4,6-Trichlorophenol	0.385	0.369		-4.156	20.0
2-Fluorobiphenyl	1.339	1.186		-11.426	
2,4,5-Trichlorophenol	0.441	0.418		-5.215	
1,1-Biphenyl	1.455	1.363		-6.323	

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Instrument ID: BNA_F Calibration Date/Time: 4/24/2024 1:09:56

Lab File ID: BF137709.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.122	1.043		-7.041	
2-Nitroaniline	0.342	0.338		-1.17	
Dimethylphthalate	1.393	1.320		-5.24	
Acenaphthylene	1.749	1.644		-6.003	
2,6-Dinitrotoluene	0.294	0.289		-1.701	
3-Nitroaniline	0.330	0.321		-2.727	
Acenaphthene	1.133	1.060		-6.443	20.0
2,4-Dinitrophenol	0.135	0.136	0.050	0.741	
4-Nitrophenol	0.257	0.247	0.050	-3.891	
Dibenzofuran	1.660	1.561		-5.964	
2,4-Dinitrotoluene	0.370	0.373		0.811	
Diethylphthalate	1.340	1.279		-4.552	
4-Chlorophenyl-phenylether	0.641	0.608		-5.148	
Fluorene	1.297	1.212		-6.554	
4-Nitroaniline	0.314	0.311		-0.955	
4,6-Dinitro-2-methylphenol	0.115	0.115		0.0	
n-Nitrosodiphenylamine	0.677	0.642		-5.17	20.0
Azobenzene	1.373	1.292		-5.899	
2,4,6-Tribromophenol	0.202	0.194		-3.96	
4-Bromophenyl-phenylether	0.232	0.220		-5.172	
Hexachlorobenzene	0.226	0.218		-3.54	
Atrazine	0.187	0.183		-2.139	
Pentachlorophenol	0.170	0.167		-1.765	20.0
Phenanthrene	1.059	1.004		-5.194	
Anthracene	1.084	1.034		-4.613	
Carbazole	0.982	0.924		-5.906	
Di-n-butylphthalate	1.198	1.161		-3.088	
Fluoranthene	1.113	1.055		-5.211	20.0
Benzidine	0.467	0.538		15.203	
Pyrene	1.642	1.605		-2.253	
Terphenyl-d14	1.243	1.203		-3.218	
Butylbenzylphthalate	0.582	0.602		3.436	
3,3-Dichlorobenzidine	0.432	0.405		-6.25	
Benzo(a)anthracene	1.395	1.328		-4.803	
Chrysene	1.303	1.235		-5.219	
Bis(2-ethylhexyl)phthalate	0.879	0.917		4.323	
Di-n-octyl phthalate	1.321	1.293		-2.12	20.0
Benzo(b)fluoranthene	1.280	1.206		-5.781	
Benzo(k)fluoranthene	1.258	1.284		2.067	

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Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG No.: BF042424
 Instrument ID: BNA_F Calibration Date/Time: 4/24/2024 1:09:56
 Lab File ID: BF137709.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.148	1.108		-3.484	20.0
Indeno(1,2,3-cd)pyrene	1.109	1.122		1.172	
Dibenzo(a,h)anthracene	0.920	0.936		1.739	
Benzo(g,h,i)perylene	0.895	0.919		2.682	
1,2,4,5-Tetrachlorobenzene	0.548	0.517		-5.657	
1,4-Dioxane	0.590	0.565		-4.237	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.330		-3.226	
1-Methylnaphthalene	0.655	0.631		-3.664	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BL	SDG No.:	BF042424
Lab Sample ID:	PB160424BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137710.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

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	2.5	2.5	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:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BL	SDG No.:	BF042424
Lab Sample ID:	PB160424BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137710.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

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:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BL	SDG No.:	BF042424
Lab Sample ID:	PB160424BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137710.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

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
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	101.122		10-139		67	SPK: -150
13127-88-3	Phenol-d6	97.942		10-134		65	SPK: -150
4165-60-0	Nitrobenzene-d5	67.705		49-133		68	SPK: -100
321-60-8	2-Fluorobiphenyl	64.604		52-132		65	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BL	SDG No.:	BF042424
Lab Sample ID:	PB160424BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137710.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	103.086		32-145		69	SPK: -150
1718-51-0	Terphenyl-d14	60.431		36-145		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	323560	7.063				
1146-65-2	Naphthalene-d8	1315906	8.345				
15067-26-2	Acenaphthene-d10	753640	10.11				
1517-22-2	Phenanthrene-d10	1386847	11.604				
1719-03-5	Chrysene-d12	1093484	14.257				
1520-96-3	Perylene-d12	964757	15.833				

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BS	SDG No.:	BF042424
Lab Sample ID:	PB160424BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137711.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.6		1	8	10	ug/L
110-86-1	Pyridine	37		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	27.5		1.6	4	5	ug/L
108-95-2	Phenol	47.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.9		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	49.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	47.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	47.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44.5		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.8		1.4	4	5	ug/L
98-86-2	Acetophenone	45.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	44		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.7		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	48.4		1	4	5	ug/L
98-95-3	Nitrobenzene	45		1.3	4	5	ug/L
78-59-1	Isophorone	46.2		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	50.7		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	48.8		5.5	8	10	ug/L
91-20-3	Naphthalene	45.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.1		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	46.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BS	SDG No.:	BF042424
Lab Sample ID:	PB160424BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137711.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	42.6		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	47		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	44.3		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	98.2	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.4		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.1		1	4	5	ug/L
92-52-4	1,1-Biphenyl	45.5		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.3		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.3		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.7		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	47.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	28.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	48.3		0.81	4	5	ug/L
Total PAH	Total PAH	761.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	95.8	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	95.4	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.5		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	98.9		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	51.5		1.5	4	5	ug/L
84-66-2	Diethylphthalate	45.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.6		0.98	4	5	ug/L
86-73-7	Fluorene	44.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	46.8		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.1		0.89	4	5	ug/L
103-33-3	Azobenzene	44.7		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	46		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.7		1.1	4	5	ug/L
1912-24-9	Atrazine	54.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BS	SDG No.:	BF042424
Lab Sample ID:	PB160424BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137711.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	88.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.8		0.89	4	5	ug/L
120-12-7	Anthracene	44.9		1.1	4	5	ug/L
86-74-8	Carbazole	45.6		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	45.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.9		1.3	4	5	ug/L
92-87-5	Benzidine	38.7		4.1	8	10	ug/L
129-00-0	Pyrene	46.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	51.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	47.1		0.94	4	5	ug/L
218-01-9	Chrysene	46.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	52.2		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	52		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.3		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	49.4		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	47.9		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	53		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	50.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.2		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	38.3		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.3		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	44.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122.236		10-139		81	SPK: -150
13127-88-3	Phenol-d6	122.603		10-134		82	SPK: -150
4165-60-0	Nitrobenzene-d5	84.026		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	78.821		52-132		79	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	PB160424BS	SDG No.:	BF042424
Lab Sample ID:	PB160424BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137711.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.709		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	85.841		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	310971	7.063				
1146-65-2	Naphthalene-d8	1276117	8.351				
15067-26-2	Acenaphthene-d10	718357	10.116				
1517-22-2	Phenanthrene-d10	1226234	11.61				
1719-03-5	Chrysene-d12	813422	14.263				
1520-96-3	Perylene-d12	644767	15.833				

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BS	SDG No.:	BF042424
Lab Sample ID:	PB160276BS	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
BF137712.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.7		1	8	10	ug/L
110-86-1	Pyridine	35.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	16		4	8	10	ug/L
62-53-3	Aniline	30.9		1.6	4	5	ug/L
108-95-2	Phenol	46.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.5		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	47.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.5		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	44.8		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.8		1.4	4	5	ug/L
98-86-2	Acetophenone	44.4		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43.4		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.5		1.5	4	5	ug/L
67-72-1	Hexachloroethane	47.3		1	4	5	ug/L
98-95-3	Nitrobenzene	44.2		1.3	4	5	ug/L
78-59-1	Isophorone	45.7		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	50.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	47		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	46.9		5.5	8	10	ug/L
91-20-3	Naphthalene	44.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	19.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BS	SDG No.:	BF042424
Lab Sample ID:	PB160276BS	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
BF137712.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44.6		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48.8		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46.2		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	47.2		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	49.3		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	50.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	32.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	50.6		0.81	4	5	ug/L
Total PAH	Total PAH	770.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	46.3		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	43.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	53		1.5	4	5	ug/L
84-66-2	Diethylphthalate	47		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.5		0.98	4	5	ug/L
86-73-7	Fluorene	46.2		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	48.3		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.6		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.2		0.89	4	5	ug/L
103-33-3	Azobenzene	45.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.5		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	47.8		1.1	4	5	ug/L
1912-24-9	Atrazine	55.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BS	SDG No.:	BF042424
Lab Sample ID:	PB160276BS	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
BF137712.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	80.9	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.3		0.89	4	5	ug/L
120-12-7	Anthracene	43.8		1.1	4	5	ug/L
86-74-8	Carbazole	45.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	45		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.2		1.3	4	5	ug/L
92-87-5	Benzidine	40.1		4.1	8	10	ug/L
129-00-0	Pyrene	46.3		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	51.1		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.6		0.94	4	5	ug/L
218-01-9	Chrysene	44.8		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.6		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	50.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	51.3		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.7		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	56.3		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.7		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	36.5		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	87.314		60-140		87	SPK: -100
13127-88-3	Phenol-d6	87.175		60-140		87	SPK: -100
4165-60-0	Nitrobenzene-d5	85.89		60-140		86	SPK: -100
321-60-8	2-Fluorobiphenyl	84.154		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.918		60-140		96	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BS	SDG No.:	BF042424
Lab Sample ID:	PB160276BS	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
BF137712.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	89.516		60-140		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	291051	7.063				
1146-65-2	Naphthalene-d8	1182002	8.351				
15067-26-2	Acenaphthene-d10	634864	10.116				
1517-22-2	Phenanthrene-d10	1153399	11.61				
1719-03-5	Chrysene-d12	746197	14.262				
1520-96-3	Perylene-d12	557841	15.833				
	1-Methylnaphthalene	43.3					

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BSD	SDG No.:	BF042424
Lab Sample ID:	PB160276BSD	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
BF137713.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.1		1	8	10	ug/L
110-86-1	Pyridine	35.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	15.7		4	8	10	ug/L
62-53-3	Aniline	30.9		1.6	4	5	ug/L
108-95-2	Phenol	46.8		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	47.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.8		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.6		1.6	8	10	ug/L
95-48-7	2-Methylphenol	44.1		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	44.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.5		1.5	4	5	ug/L
67-72-1	Hexachloroethane	46.8		1	4	5	ug/L
98-95-3	Nitrobenzene	44.2		1.3	4	5	ug/L
78-59-1	Isophorone	45.9		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	50.5		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46.8		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	48		5.5	8	10	ug/L
91-20-3	Naphthalene	44.2		1	4	5	ug/L
106-47-8	4-Chloroaniline	19.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BSD	SDG No.:	BF042424
Lab Sample ID:	PB160276BSD	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
BF137713.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	42.8		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.1		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	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	44.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	47.2		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.9		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.1		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.7		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.8		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	31.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	50.3		0.81	4	5	ug/L
Total PAH	Total PAH	757		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45.7		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	52.1		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	50.9		2.7	4	10	ug/L
84-66-2	Diethylphthalate	46		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.7		0.98	4	5	ug/L
86-73-7	Fluorene	45.3		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	47.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	52.3		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.6		0.89	4	5	ug/L
103-33-3	Azobenzene	44.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.8		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.4		1.1	4	5	ug/L
1912-24-9	Atrazine	55.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BSD	SDG No.:	BF042424
Lab Sample ID:	PB160276BSD	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
BF137713.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.5		0.89	4	5	ug/L
120-12-7	Anthracene	44.6		1.1	4	5	ug/L
86-74-8	Carbazole	44.6		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.3		1.3	4	5	ug/L
92-87-5	Benzidine	41.8		4.1	8	10	ug/L
129-00-0	Pyrene	45.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	51.4		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.1		0.94	4	5	ug/L
218-01-9	Chrysene	43.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	51.6		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	50.8		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	50		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.2		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	53.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.8		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.9		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	36.6		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	87.014		60-140		87	SPK: -100
13127-88-3	Phenol-d6	87.564		60-140		88	SPK: -100
4165-60-0	Nitrobenzene-d5	85.724		60-140		86	SPK: -100
321-60-8	2-Fluorobiphenyl	83.753		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	94.785		60-140		95	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BSD	SDG No.:	BF042424
Lab Sample ID:	PB160276BSD	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
BF137713.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	87.049		60-140		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	314341	7.063				
1146-65-2	Naphthalene-d8	1285860	8.351				
15067-26-2	Acenaphthene-d10	692262	10.116				
1517-22-2	Phenanthrene-d10	1216214	11.61				
1719-03-5	Chrysene-d12	801376	14.262				
1520-96-3	Perylene-d12	622095	15.833				
	1-Methylnaphthalene	43.3					

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BL	SDG No.:	BF042424
Lab Sample ID:	PB160276BL	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
BF137714.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

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:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BL	SDG No.:	BF042424
Lab Sample ID:	PB160276BL	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
BF137714.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BL	SDG No.:	BF042424
Lab Sample ID:	PB160276BL	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
BF137714.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

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	84.232		60-140		84	SPK: -100
13127-88-3	Phenol-d6	83.499		60-140		83	SPK: -100
4165-60-0	Nitrobenzene-d5	84.607		60-140		85	SPK: -100
321-60-8	2-Fluorobiphenyl	83.816		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.185		60-140		82	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160276BL	SDG No.:	BF042424
Lab Sample ID:	PB160276BL	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
BF137714.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	75.604		60-140		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	267520	7.063				
1146-65-2	Naphthalene-d8	1061072	8.345				
15067-26-2	Acenaphthene-d10	562293	10.11				
1517-22-2	Phenanthrene-d10	1047162	11.604				
1719-03-5	Chrysene-d12	822524	14.251				
1520-96-3	Perylene-d12	662980	15.827				
TENTATIVE IDENTIFIED COMPOUNDS							
000077-76-9	Propane, 2,2-dimethoxy-	3.9	J			2.152	
002597-49-1	Cyclobutane, ethenyl-	110	J			2.575	
000068-12-2	Formamide, N,N-dimethyl-	2.1	J			4.457	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	45	A			5.322	
000822-67-3	2-Cyclohexen-1-ol	3.4	J			5.875	
000930-68-7	2-Cyclohexen-1-one	5.2	J			6.316	
001561-86-0	2-Chlorocyclohexanol	4.7	J			7.216	
000107-52-8	Hexasiloxane, tetradecamethyl-	5.8	J			14.31	
	unknown14.704	14.3	J			14.704	
	unknown15.121	28.2	J			15.121	
000556-71-8	Cyclononasiloxane, octadecamethyl-	37.1	J			15.598	
000541-01-5	Heptasiloxane, hexadecamethyl-	40.7	J			16.163	
	unknown16.833	43	J			16.833	
	unknown17.651	39.1	J			17.651	
	unknown18.657	32.5	J			18.657	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BS	SDG No.:	BF042424
Lab Sample ID:	PB160462BS	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
BF137715.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.5		1	8	10	ug/L
110-86-1	Pyridine	35.5		1.6	4	5	ug/L
100-52-7	Benzaldehyde	15.8		4	8	10	ug/L
62-53-3	Aniline	30.2		1.6	4	5	ug/L
108-95-2	Phenol	46.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.9		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	47.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	46		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.9		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	44.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43.7		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	43.8		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.1		1.5	4	5	ug/L
67-72-1	Hexachloroethane	45.9		1	4	5	ug/L
98-95-3	Nitrobenzene	43.9		1.3	4	5	ug/L
78-59-1	Isophorone	45.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	48.7		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	44.1		5.5	8	10	ug/L
91-20-3	Naphthalene	44		1	4	5	ug/L
106-47-8	4-Chloroaniline	18.8		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	44.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BS	SDG No.:	BF042424
Lab Sample ID:	PB160462BS	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
BF137715.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	43.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45.1		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	47.6		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	50.5		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	33.9		1.4	4	5	ug/L
83-32-9	Acenaphthene	50.6		0.81	4	5	ug/L
Total PAH	Total PAH	742.9		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	98.6	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	46.1		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	53.4		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	103.9		2.7	4	10	ug/L
84-66-2	Diethylphthalate	46.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.4		0.98	4	5	ug/L
86-73-7	Fluorene	45.7		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	48.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.5		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.1		0.89	4	5	ug/L
103-33-3	Azobenzene	44.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.3		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	46.9		1.1	4	5	ug/L
1912-24-9	Atrazine	54.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BS	SDG No.:	BF042424
Lab Sample ID:	PB160462BS	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
BF137715.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	80.1	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.2		0.89	4	5	ug/L
120-12-7	Anthracene	43.6		1.1	4	5	ug/L
86-74-8	Carbazole	44.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	44		1.3	4	5	ug/L
92-87-5	Benzidine	38.4		4.1	8	10	ug/L
129-00-0	Pyrene	43.4		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	48.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	32.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.8		0.94	4	5	ug/L
218-01-9	Chrysene	43.7		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	50.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	50.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	51.5		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.7		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	48.4		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.6		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.2		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	36.6		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	86.881		60-140		87	SPK: -100
13127-88-3	Phenol-d6	87.207		60-140		87	SPK: -100
4165-60-0	Nitrobenzene-d5	84.025		60-140		84	SPK: -100
321-60-8	2-Fluorobiphenyl	83.078		60-140		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.669		60-140		94	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BS	SDG No.:	BF042424
Lab Sample ID:	PB160462BS	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
BF137715.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	82.257		60-140		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	306006	7.063				
1146-65-2	Naphthalene-d8	1247261	8.351				
15067-26-2	Acenaphthene-d10	662309	10.116				
1517-22-2	Phenanthrene-d10	1192211	11.61				
1719-03-5	Chrysene-d12	826164	14.262				
1520-96-3	Perylene-d12	670411	15.833				
	1-Methylnaphthalene	42.7					

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BSD	SDG No.:	BF042424
Lab Sample ID:	PB160462BSD	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
BF137716.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.7		1	8	10	ug/L
110-86-1	Pyridine	36.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	15.2		4	8	10	ug/L
62-53-3	Aniline	29.3		1.6	4	5	ug/L
108-95-2	Phenol	46.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	48.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	46.4		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.5		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	43.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	42.7		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.5		1.4	4	5	ug/L
98-86-2	Acetophenone	44.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.3		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.5		1.5	4	5	ug/L
67-72-1	Hexachloroethane	46.9		1	4	5	ug/L
98-95-3	Nitrobenzene	43.9		1.3	4	5	ug/L
78-59-1	Isophorone	44.8		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	49.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46.4		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.1		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45.7		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	44.9		5.5	8	10	ug/L
91-20-3	Naphthalene	44.7		1	4	5	ug/L
106-47-8	4-Chloroaniline	20.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BSD	SDG No.:	BF042424
Lab Sample ID:	PB160462BSD	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
BF137716.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	45.2		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	42.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.3		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.8		1	4	5	ug/L
92-52-4	1,1-Biphenyl	47.2		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	48.5		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	49.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	50.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	31.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	51.2		0.81	4	5	ug/L
Total PAH	Total PAH	761.9		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	99.4	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	46		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	103.1		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	52.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	46.2		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.9		0.98	4	5	ug/L
86-73-7	Fluorene	46.1		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	48.2		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	51.3		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.5		0.89	4	5	ug/L
103-33-3	Azobenzene	44.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	47.5		1.1	4	5	ug/L
1912-24-9	Atrazine	55.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BSD	SDG No.:	BF042424
Lab Sample ID:	PB160462BSD	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
BF137716.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	45.4		0.89	4	5	ug/L
120-12-7	Anthracene	44.8		1.1	4	5	ug/L
86-74-8	Carbazole	46.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.1		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.9		1.3	4	5	ug/L
92-87-5	Benzidine	36.4		4.1	8	10	ug/L
129-00-0	Pyrene	44.3		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	47.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	32.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.7		0.94	4	5	ug/L
218-01-9	Chrysene	44.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.1		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	51		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	49.8		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.7		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.9		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.3		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	52.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.1		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	37.4		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	87.68		60-140		88	SPK: -100
13127-88-3	Phenol-d6	87.046		60-140		87	SPK: -100
4165-60-0	Nitrobenzene-d5	84.854		60-140		85	SPK: -100
321-60-8	2-Fluorobiphenyl	86.584		60-140		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.156		60-140		95	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BSD	SDG No.:	BF042424
Lab Sample ID:	PB160462BSD	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
BF137716.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	84.273		60-140		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	276500	7.063				
1146-65-2	Naphthalene-d8	1111646	8.351				
15067-26-2	Acenaphthene-d10	577056	10.11				
1517-22-2	Phenanthrene-d10	1020489	11.61				
1719-03-5	Chrysene-d12	721195	14.262				
1520-96-3	Perylene-d12	579347	15.833				
	1-Methylnaphthalene	42.7					

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BL	SDG No.:	BF042424
Lab Sample ID:	PB160462BL	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
BF137717.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BL	SDG No.:	BF042424
Lab Sample ID:	PB160462BL	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
BF137717.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BL	SDG No.:	BF042424
Lab Sample ID:	PB160462BL	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
BF137717.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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	83.247		60-140		83	SPK: -100
13127-88-3	Phenol-d6	83.222		60-140		83	SPK: -100
4165-60-0	Nitrobenzene-d5	81.823		60-140		82	SPK: -100
321-60-8	2-Fluorobiphenyl	84.294		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.202		60-140		82	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	PB160462BL	SDG No.:	BF042424
Lab Sample ID:	PB160462BL	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
BF137717.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	78.605		60-140		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	283619	7.063				
1146-65-2	Naphthalene-d8	1129215	8.345				
15067-26-2	Acenaphthene-d10	595813	10.11				
1517-22-2	Phenanthrene-d10	1126314	11.604				
1719-03-5	Chrysene-d12	847938	14.251				
1520-96-3	Perylene-d12	622451	15.827				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown2.157	3.5	J			2.157	
000068-12-2	Formamide, N,N-dimethyl-	2.1	J			4.463	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	44.8	A			5.322	
000822-67-3	2-Cyclohexen-1-ol	3.3	J			5.881	
000930-68-7	2-Cyclohexen-1-one	5	J			6.322	
001561-86-0	2-Chlorocyclohexanol	4.7	J			7.216	
	1-Methylnaphthalene		U				



Client:				Date Collected:	4/24/2024 12:00:00 AM	
Project:				Date Received:	4/24/2024 12:00:00 AM	
Client Sample ID:	PB160476BL			SDG No.:	BF042424	
Lab Sample ID:	PB160476BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137718.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BL	SDG No.:	BF042424
Lab Sample ID:	PB160476BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137718.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BL	SDG No.:	BF042424
Lab Sample ID:	PB160476BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137718.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120.321		18-112		80	SPK: -150
13127-88-3	Phenol-d6	117.593		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	82.629		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	79.987		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BL	SDG No.:	BF042424
Lab Sample ID:	PB160476BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137718.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.565		10-110		82	SPK: -150
1718-51-0	Terphenyl-d14	81.644		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	295991	7.063				
1146-65-2	Naphthalene-d8	1157084	8.345				
15067-26-2	Acenaphthene-d10	640160	10.11				
1517-22-2	Phenanthrene-d10	1101802	11.604				
1719-03-5	Chrysene-d12	796589	14.251				
1520-96-3	Perylene-d12	600891	15.827				

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BS	SDG No.:	BF042424
Lab Sample ID:	PB160476BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137719.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	770		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	380		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BS	SDG No.:	BF042424
Lab Sample ID:	PB160476BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137719.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	860		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81	130	170	ug/Kg
Total PAH	Total PAH	25500		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1800		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BS	SDG No.:	BF042424
Lab Sample ID:	PB160476BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137719.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	1300		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.991		18-112		81	SPK: -150
13127-88-3	Phenol-d6	120.884		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	83.531		18-107		84	SPK: -100
321-60-8	2-Fluorobiphenyl	81.03		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	PB160476BS	SDG No.:	BF042424
Lab Sample ID:	PB160476BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137719.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.93		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	85.215		14-112		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	288539	7.063				
1146-65-2	Naphthalene-d8	1152629	8.351				
15067-26-2	Acenaphthene-d10	626016	10.11				
1517-22-2	Phenanthrene-d10	1048873	11.61				
1719-03-5	Chrysene-d12	730960	14.263				
1520-96-3	Perylene-d12	604317	15.833				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BF042424
Lab Sample ID:	P2116-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137720.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.1	5.1	ug/L
100-52-7	Benzaldehyde	4.1	U	4.1	8.2	10.2	ug/L
62-53-3	Aniline	1.6	U	1.6	4.1	5.1	ug/L
108-95-2	Phenol	0.95	U	0.95	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.9	U	0.9	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.2	10.2	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.1	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4.1	5.1	ug/L
67-72-1	Hexachloroethane	1	U	1	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.1	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.9	U	0.9	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
65-85-0	Benzoic acid	5.6	U	5.6	8.2	10.2	ug/L
91-20-3	Naphthalene	1	U	1	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BF042424
Lab Sample ID:	P2116-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137720.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.86	U	0.86	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.1	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	0.93	U	0.93	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.99	U	0.99	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	0.95	U	0.95	4.1	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	4.1	5.1	ug/L
Total PAH	Total PAH	17.66	U	17.66	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.6	U	6.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.2	10.2	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.1	5.1	ug/L
86-73-7	Fluorene	0.98	U	0.98	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.91	U	0.91	4.1	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.97	U	0.97	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.1	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BF042424
Lab Sample ID:	P2116-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137720.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.2	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	4.1	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4.1	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.1	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4.1	5.1	ug/L
92-87-5	Benzidine	4.2	U	4.2	8.2	10.2	ug/L
129-00-0	Pyrene	1.1	U	1.1	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	4.1	5.1	ug/L
218-01-9	Chrysene	0.88	U	0.88	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	32.565	*	60-140		33	SPK: -100
13127-88-3	Phenol-d6	12.577	*	60-140		13	SPK: -100
4165-60-0	Nitrobenzene-d5	70.566		60-140		71	SPK: -100
321-60-8	2-Fluorobiphenyl	71.325		60-140		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	78.269		60-140		78	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	BF042424
Lab Sample ID:	P2116-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BF137720.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	84.375		60-140		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	260222	7.063				
1146-65-2	Naphthalene-d8	1046272	8.357				
15067-26-2	Acenaphthene-d10	574327	10.11				
1517-22-2	Phenanthrene-d10	944748	11.604				
1719-03-5	Chrysene-d12	482337	14.251				
1520-96-3	Perylene-d12	584097	15.827				
TENTATIVE IDENTIFIED COMPOUNDS							
000104-76-7	1-Hexanol, 2-ethyl-	20.4	J			7.322	
000149-57-5	Hexanoic acid, 2-ethyl-	270	J			7.91	
000124-07-2	Octanoic acid	90.2	J			8.192	
000334-48-5	n-Decanoic acid	70.3	J			9.298	
000143-07-7	Dodecanoic acid	200	J			10.369	
036400-98-3	1-Octanol, 5,7,7-trimethyl-2-(1,3, unknown11.145	29.2	J			11.122	
		58.3	J			11.145	
006222-06-6	Pentafluoropropionic acid, tetradecyl ester	33.8	J			11.175	
000544-63-8	Tetradecanoic acid	36.8	J			11.263	
000057-10-3	n-Hexadecanoic acid	76.1	J			12.127	
000593-39-5	6-Octadecenoic acid, (Z)-	65.7	J			12.839	
000057-11-4	Octadecanoic acid	51.9	J			12.91	
000111-62-6	Ethyl Oleate	13.6	J			12.939	
000111-61-5	Octadecanoic acid, ethyl ester	17.3	J			13.022	
079392-43-1	Octadecyl trifluoroacetate	20.4	J			14.08	
1010383-14-1	Carbonic acid, 2-ethylhexyl tetrad	13.1	J			14.71	
000141-38-8	Oxiraneoctanoic acid, 3-octyl-, 2-	20.4	J			15.457	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATER	SDG No.:	BF042424
Lab Sample ID:	P2226-01	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
BF137721.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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	24.3		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	58.4		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:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATER	SDG No.:	BF042424
Lab Sample ID:	P2226-01	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
BF137721.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATER	SDG No.:	BF042424
Lab Sample ID:	P2226-01	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
BF137721.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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	43.83	*	60-140		44	SPK: -100
13127-88-3	Phenol-d6	29.138	*	60-140		29	SPK: -100
4165-60-0	Nitrobenzene-d5	83.518		60-140		84	SPK: -100
321-60-8	2-Fluorobiphenyl	79.823		60-140		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.284		60-140		85	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATER	SDG No.:	BF042424
Lab Sample ID:	P2226-01	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
BF137721.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	86.246		60-140		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	266909	7.063				
1146-65-2	Naphthalene-d8	1060047	8.345				
15067-26-2	Acenaphthene-d10	572344	10.11				
1517-22-2	Phenanthrene-d10	899135	11.604				
1719-03-5	Chrysene-d12	484743	14.251				
1520-96-3	Perylene-d12	586457	15.833				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	20.9	J			2.446	
000141-79-7	3-Penten-2-one, 4-methyl-	6.7	A			4.716	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	49.1	A			5.31	
000116-53-0	Butanoic acid, 2-methyl-	18.8	J			5.769	
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	4.9	J			6.081	
000105-43-1	Pentanoic acid, 3-methyl-	9.7	J			6.434	
000507-70-0	endo-Borneol	9.1	J			8.251	
000103-82-2	Benzeneacetic acid	14.8	J			8.61	
000120-72-9	Indole	4.2	J			8.975	
000123-08-0	Benzaldehyde, 4-hydroxy-	5.1	J			9.263	
000621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-	35.7	J			9.563	
000498-02-2	Apocynin	11.8	J			10.016	
073992-48-0	7-Methoxymethyl-2,7-dimethylcyclohex	8	J			10.363	
000458-36-6	Coniferyl aldehyde	4.9	J			11.239	
	unknown11.463	7.1	J			11.463	
000057-10-3	n-Hexadecanoic acid	8.1	J			12.11	
	unknown13.045	4.5	J			13.045	
000785-80-8	Benzenamine, N-[(4-nitrophenyl)met	7.3	J			13.551	
001740-19-8	Dehydroabietic acid	10.2	J			14.039	
002035-15-6	(6aR,12aR)-6a,12a-Dihydro-6H-[1,3]	6.4	J			14.927	

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATER	SDG No.:	BF042424
Lab Sample ID:	P2226-01	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
BF137721.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	LNG-11	SDG No.:	BF042424
Lab Sample ID:	P2208-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137722.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	27.5	J	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	27.3	J	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	LNG-11	SDG No.:	BF042424
Lab Sample ID:	P2208-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137722.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	LNG-11	SDG No.:	BF042424
Lab Sample ID:	P2208-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137722.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	107.058		10-139		71	SPK: -150
13127-88-3	Phenol-d6	98.77		10-134		66	SPK: -150
4165-60-0	Nitrobenzene-d5	77.391		49-133		77	SPK: -100
321-60-8	2-Fluorobiphenyl	76.494		52-132		76	SPK: -100

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	LNG-11	SDG No.:	BF042424
Lab Sample ID:	P2208-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137722.D	1	4/22/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	117.171		32-145		78	SPK: -150
1718-51-0	Terphenyl-d14	92.711		36-145		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	263474	7.063				
1146-65-2	Naphthalene-d8	1028691	8.345				
15067-26-2	Acenaphthene-d10	541711	10.104				
1517-22-2	Phenanthrene-d10	890988	11.604				
1719-03-5	Chrysene-d12	499433	14.251				
1520-96-3	Perylene-d12	544453	15.827				

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	344	SDG No.:	BF042424
Lab Sample ID:	P2241-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137723.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	78	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	344	SDG No.:	BF042424
Lab Sample ID:	P2241-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137723.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	78	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	78	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	344	SDG No.:	BF042424
Lab Sample ID:	P2241-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137723.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	49.414		18-112		33	SPK: -150
13127-88-3	Phenol-d6	55.548		15-107		37	SPK: -150
4165-60-0	Nitrobenzene-d5	41.268		18-107		41	SPK: -100
321-60-8	2-Fluorobiphenyl	44.589		20-109		45	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	344	SDG No.:	BF042424
Lab Sample ID:	P2241-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137723.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	40.407		10-110		27	SPK: -150
1718-51-0	Terphenyl-d14	55.462		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	256022	7.063				
1146-65-2	Naphthalene-d8	993258	8.345				
15067-26-2	Acenaphthene-d10	532840	10.104				
1517-22-2	Phenanthrene-d10	875122	11.604				
1719-03-5	Chrysene-d12	464574	14.251				
1520-96-3	Perylene-d12	520635	15.827				

Report of Analysis

Client:				Date Collected:	4/23/2024 12:00:00 AM		
Project:				Date Received:	4/23/2024 12:00:00 AM		
Client Sample ID:	YARD-3			SDG No.:	BF042424		
Lab Sample ID:	P2245-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	18		
Sample Wt/Vol:	50.01	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137724.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.5	U	63.5	200	240	ug/Kg
110-86-1	Pyridine	58.5	U	58.5	95.1	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	70.9	U	70.9	95.1	120	ug/Kg
108-95-2	Phenol	60.6	U	60.6	95.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.2	U	61.2	95.1	120	ug/Kg
95-57-8	2-Chlorophenol	61.1	U	61.1	95.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	61.9	U	61.9	95.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.9	U	62.9	95.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	63.3	U	63.3	95.1	120	ug/Kg
100-51-6	Benzyl Alcohol	60.7	U	60.7	200	240	ug/Kg
95-48-7	2-Methylphenol	59	U	59	95.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.5	U	66.5	95.1	120	ug/Kg
98-86-2	Acetophenone	63.6	U	63.6	95.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	58.4	U	58.4	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.5	U	29.5	58.5	58.5	ug/Kg
67-72-1	Hexachloroethane	60.7	U	60.7	95.1	120	ug/Kg
98-95-3	Nitrobenzene	66.4	U	66.4	95.1	120	ug/Kg
78-59-1	Isophorone	61.9	U	61.9	95.1	120	ug/Kg
88-75-5	2-Nitrophenol	69.1	U	69.1	95.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.2	U	68.2	95.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.8	U	62.8	95.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.2	U	55.2	95.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.5	U	62.5	95.1	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	60.4	U	60.4	95.1	120	ug/Kg
106-47-8	4-Chloroaniline	60.4	U	60.4	95.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.9	U	60.9	95.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3	SDG No.:	BF042424
Lab Sample ID:	P2245-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137724.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	63.5	U	63.5	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.7	U	56.7	95.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	60.4	U	60.4	95.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.2	U	52.2	95.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.1	U	54.1	95.1	120	ug/Kg
92-52-4	1,1-Biphenyl	63.9	U	63.9	95.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.9	U	60.9	95.1	120	ug/Kg
88-74-4	2-Nitroaniline	69.5	U	69.5	95.1	120	ug/Kg
131-11-3	Dimethylphthalate	59.8	U	59.8	95.1	120	ug/Kg
208-96-8	Acenaphthylene	63.3	U	63.3	95.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.9	U	60.9	95.1	120	ug/Kg
99-09-2	3-Nitroaniline	65.3	U	65.3	95.1	120	ug/Kg
83-32-9	Acenaphthene	59.3	U	59.3	95.1	120	ug/Kg
Total PAH	Total PAH	1002.4	U	969.2	95.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	84.9	U	84.9	200	240	ug/Kg
132-64-9	Dibenzofuran	61.7	U	61.7	95.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	124	U	124	95.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.1	U	63.1	95.1	120	ug/Kg
84-66-2	Diethylphthalate	58.6	U	58.6	95.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.6	U	62.6	95.1	120	ug/Kg
86-73-7	Fluorene	62.5	U	62.5	95.1	120	ug/Kg
100-01-6	4-Nitroaniline	78.3	U	78.3	95.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.6	U	85.6	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.7	U	59.7	95.1	120	ug/Kg
103-33-3	Azobenzene	58.2	U	58.2	95.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57.7	U	57.7	95.1	120	ug/Kg
118-74-1	Hexachlorobenzene	62.2	U	62.2	95.1	120	ug/Kg
1912-24-9	Atrazine	66.9	U	66.9	95.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3	SDG No.:	BF042424
Lab Sample ID:	P2245-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137724.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	56.5	U	56.5	200	240	ug/Kg
85-01-8	Phenanthrene	280		61.5	95.1	120	ug/Kg
120-12-7	Anthracene	100	J	61.7	95.1	120	ug/Kg
86-74-8	Carbazole	64.1	J	58.7	95.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.7	U	61.7	95.1	120	ug/Kg
206-44-0	Fluoranthene	230		59.8	95.1	120	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	240		60.7	95.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.8	U	70.8	95.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	72.1	U	72.1	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	83.4	J	59	95.1	120	ug/Kg
218-01-9	Chrysene	69	J	58.2	95.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.6	U	66.6	95.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80.5	U	80.5	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	59.3	U	59.3	95.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.4	U	60.4	95.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	68	U	68	95.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57.1	U	57.1	95.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.4	U	59.4	95.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.6	U	58.6	95.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.5	U	63.5	95.1	120	ug/Kg
123-91-1	1,4-Dioxane	80.5	U	80.5	95.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.6	U	54.6	95.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	60.9	U	60.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.714		18-112		55	SPK: -150
13127-88-3	Phenol-d6	82.925		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	55.612		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	55.961		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3	SDG No.:	BF042424
Lab Sample ID:	P2245-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137724.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.756		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	66.331		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	250068	7.063				
1146-65-2	Naphthalene-d8	978984	8.345				
15067-26-2	Acenaphthene-d10	533393	10.104				
1517-22-2	Phenanthrene-d10	891120	11.598				
1719-03-5	Chrysene-d12	455618	14.251				
1520-96-3	Perylene-d12	489434	15.821				
TENTATIVE IDENTIFIED COMPOUNDS							
000110-82-7	Cyclohexane	57.5	J			2.222	
000994-05-8	Butane, 2-methoxy-2-methyl-	170	J			2.44	
002531-84-2	Phenanthrene, 2-methyl-	67.8	J			12.104	
000203-64-5	4H-Cyclopenta[def]phenanthrene	57.5	J			12.216	
033543-31-6	Fluoranthene, 2-methyl-	49.7	J			13.374	
1000406-04-8	Pentadecafluorooctanoic acid, octa	49	J			14.068	

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3MS	SDG No.:	BF042424
Lab Sample ID:	P2245-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137725.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		63.4	200	240	ug/Kg
110-86-1	Pyridine	960		58.4	95	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	680		70.8	95	120	ug/Kg
108-95-2	Phenol	1200		60.6	95	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		61.2	95	120	ug/Kg
95-57-8	2-Chlorophenol	1200		61	95	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		61.8	95	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		62.8	95	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		63.2	95	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		60.6	200	240	ug/Kg
95-48-7	2-Methylphenol	1100		58.9	95	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		66.4	95	120	ug/Kg
98-86-2	Acetophenone	1100		63.5	95	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		58.3	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		29.4	58.5	58.5	ug/Kg
67-72-1	Hexachloroethane	1200		60.6	95	120	ug/Kg
98-95-3	Nitrobenzene	1100		66.3	95	120	ug/Kg
78-59-1	Isophorone	1100		61.8	95	120	ug/Kg
88-75-5	2-Nitrophenol	1300		69	95	120	ug/Kg
105-67-9	2,4-Dimethylphenol	950		68.1	95	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		62.7	95	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		55.2	95	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		62.4	95	120	ug/Kg
65-85-0	Benzoic acid	1200		170	200	240	ug/Kg
91-20-3	Naphthalene	1100		60.4	95	120	ug/Kg
106-47-8	4-Chloroaniline	430		60.4	95	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		60.9	95	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3MS	SDG No.:	BF042424
Lab Sample ID:	P2245-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137725.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1200		63.4	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		56.6	95	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		60.3	95	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		52.2	95	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		54.1	95	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		63.9	95	120	ug/Kg
91-58-7	2-Chloronaphthalene	1200		60.9	95	120	ug/Kg
88-74-4	2-Nitroaniline	1200		69.4	95	120	ug/Kg
131-11-3	Dimethylphthalate	1100		59.7	95	120	ug/Kg
208-96-8	Acenaphthylene	1200		63.2	95	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		60.8	95	120	ug/Kg
99-09-2	3-Nitroaniline	730		65.2	95	120	ug/Kg
83-32-9	Acenaphthene	1200		59.3	95	120	ug/Kg
Total PAH	Total PAH	20500		968.5	95	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	2300	E	84.8	200	240	ug/Kg
132-64-9	Dibenzofuran	1200		61.7	95	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		63	95	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		123.8	95	240	ug/Kg
84-66-2	Diethylphthalate	1100		58.5	95	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		62.5	95	120	ug/Kg
86-73-7	Fluorene	1200		62.5	95	120	ug/Kg
100-01-6	4-Nitroaniline	1100		78.2	95	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		85.5	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		59.6	95	120	ug/Kg
103-33-3	Azobenzene	1100		58.2	95	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		57.7	95	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		62.1	95	120	ug/Kg
1912-24-9	Atrazine	1300		66.8	95	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3MS	SDG No.:	BF042424
Lab Sample ID:	P2245-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137725.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	56.5	200	240	ug/Kg
85-01-8	Phenanthrene	1400		61.4	95	120	ug/Kg
120-12-7	Anthracene	1300		61.7	95	120	ug/Kg
86-74-8	Carbazole	1200		58.7	95	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		61.6	95	120	ug/Kg
206-44-0	Fluoranthene	1300		59.7	95	120	ug/Kg
92-87-5	Benzidine	1600		120	200	240	ug/Kg
129-00-0	Pyrene	1500		60.6	95	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		70.7	95	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		72	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1300		59	95	120	ug/Kg
218-01-9	Chrysene	1200		58.1	95	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		66.5	95	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		80.4	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		59.3	95	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		60.4	95	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		68	95	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		57.1	95	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		59.3	95	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		58.5	95	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		63.4	95	120	ug/Kg
123-91-1	1,4-Dioxane	1000		80.4	95	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		54.6	95	120	ug/Kg
90-12-0	1-Methylnaphthalene	1100		60.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.875		18-112		57	SPK: -150
13127-88-3	Phenol-d6	86.334		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	58.49		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	57.276		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3MS	SDG No.:	BF042424
Lab Sample ID:	P2245-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137725.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.702		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	65.096		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	234705	7.063				
1146-65-2	Naphthalene-d8	908416	8.345				
15067-26-2	Acenaphthene-d10	494675	10.11				
1517-22-2	Phenanthrene-d10	829314	11.604				
1719-03-5	Chrysene-d12	454765	14.257				
1520-96-3	Perylene-d12	504816	15.827				



Client:				Date Collected:	4/23/2024 12:00:00 AM	
Project:				Date Received:	4/23/2024 12:00:00 AM	
Client Sample ID:	YARD-3MSD			SDG No.:	BF042424	
Lab Sample ID:	P2245-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	18	
Sample Wt/Vol:	50.04	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137726.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		63.5	200	240	ug/Kg
110-86-1	Pyridine	970		58.4	95	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	690		70.8	95	120	ug/Kg
108-95-2	Phenol	1200		60.6	95	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		61.2	95	120	ug/Kg
95-57-8	2-Chlorophenol	1200		61	95	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		61.9	95	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		62.9	95	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		63.2	95	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		60.7	200	240	ug/Kg
95-48-7	2-Methylphenol	1100		58.9	95	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		66.5	95	120	ug/Kg
98-86-2	Acetophenone	1100		63.5	95	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		58.3	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		29.5	58.5	58.5	ug/Kg
67-72-1	Hexachloroethane	1200		60.7	95	120	ug/Kg
98-95-3	Nitrobenzene	1100		66.4	95	120	ug/Kg
78-59-1	Isophorone	1100		61.9	95	120	ug/Kg
88-75-5	2-Nitrophenol	1300		69.1	95	120	ug/Kg
105-67-9	2,4-Dimethylphenol	940		68.1	95	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		62.7	95	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		55.2	95	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		62.4	95	120	ug/Kg
65-85-0	Benzoic acid	1200		170	200	240	ug/Kg
91-20-3	Naphthalene	1100		60.4	95	120	ug/Kg
106-47-8	4-Chloroaniline	410		60.4	95	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		60.9	95	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3MSD	SDG No.:	BF042424
Lab Sample ID:	P2245-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137726.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1200		63.5	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		56.7	95	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		60.3	95	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		52.2	95	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		54.1	95	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		63.9	95	120	ug/Kg
91-58-7	2-Chloronaphthalene	1200		60.9	95	120	ug/Kg
88-74-4	2-Nitroaniline	1200		69.5	95	120	ug/Kg
131-11-3	Dimethylphthalate	1100		59.7	95	120	ug/Kg
208-96-8	Acenaphthylene	1200		63.2	95	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		60.8	95	120	ug/Kg
99-09-2	3-Nitroaniline	740		65.2	95	120	ug/Kg
83-32-9	Acenaphthene	1200		59.3	95	120	ug/Kg
Total PAH	Total PAH	20200		968.8	95	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	E	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	2400	E	84.8	200	240	ug/Kg
132-64-9	Dibenzofuran	1200		61.7	95	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		123.8	95	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		63	95	120	ug/Kg
84-66-2	Diethylphthalate	1100		58.6	95	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		62.6	95	120	ug/Kg
86-73-7	Fluorene	1200		62.5	95	120	ug/Kg
100-01-6	4-Nitroaniline	1200		78.2	95	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		85.5	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		59.7	95	120	ug/Kg
103-33-3	Azobenzene	1100		58.2	95	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		57.7	95	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		62.1	95	120	ug/Kg
1912-24-9	Atrazine	1300		66.8	95	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3MSD	SDG No.:	BF042424
Lab Sample ID:	P2245-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137726.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	56.5	200	240	ug/Kg
85-01-8	Phenanthrene	1400		61.4	95	120	ug/Kg
120-12-7	Anthracene	1200		61.7	95	120	ug/Kg
86-74-8	Carbazole	1200		58.7	95	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		61.6	95	120	ug/Kg
206-44-0	Fluoranthene	1300		59.7	95	120	ug/Kg
92-87-5	Benzidine	1600		120	200	240	ug/Kg
129-00-0	Pyrene	1500		60.7	95	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		70.8	95	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790		72.1	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1200		59	95	120	ug/Kg
218-01-9	Chrysene	1200		58.1	95	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		66.5	95	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		80.4	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		59.3	95	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		60.4	95	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		68	95	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		57.1	95	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		59.4	95	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		58.6	95	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		63.5	95	120	ug/Kg
123-91-1	1,4-Dioxane	1100		80.4	95	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		54.6	95	120	ug/Kg
90-12-0	1-Methylnaphthalene	1100		60.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.899		18-112		57	SPK: -150
13127-88-3	Phenol-d6	87.379		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	58.179		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	57.472		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	YARD-3MSD	SDG No.:	BF042424
Lab Sample ID:	P2245-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137726.D	1	4/24/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	92.657		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	65.027		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	248810	7.063				
1146-65-2	Naphthalene-d8	978364	8.345				
15067-26-2	Acenaphthene-d10	532186	10.11				
1517-22-2	Phenanthrene-d10	899529	11.604				
1719-03-5	Chrysene-d12	488926	14.257				
1520-96-3	Perylene-d12	545928	15.827				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WWRE	SDG No.:	BF042424
Lab Sample ID:	P2116-02RE	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137727.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.1	5.1	ug/L
100-52-7	Benzaldehyde	4.1	U	4.1	8.2	10.2	ug/L
62-53-3	Aniline	1.6	U	1.6	4.1	5.1	ug/L
108-95-2	Phenol	0.95	U	0.95	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.9	U	0.9	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.2	10.2	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.1	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4.1	5.1	ug/L
67-72-1	Hexachloroethane	1	U	1	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.1	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.9	U	0.9	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
65-85-0	Benzoic acid	5.6	U	5.6	8.2	10.2	ug/L
91-20-3	Naphthalene	1	U	1	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WWRE	SDG No.:	BF042424
Lab Sample ID:	P2116-02RE	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137727.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.86	U	0.86	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.1	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	0.93	U	0.93	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.99	U	0.99	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	0.95	U	0.95	4.1	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
Total PAH	Total PAH	17.66	U	17.66	4.1	81.6	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	4.1	5.1	ug/L
51-28-5	2,4-Dinitrophenol	6.6	U	6.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.2	10.2	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.1	5.1	ug/L
86-73-7	Fluorene	0.98	U	0.98	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.91	U	0.91	4.1	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.97	U	0.97	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.1	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WWRE	SDG No.:	BF042424
Lab Sample ID:	P2116-02RE	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137727.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.2	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	4.1	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4.1	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.1	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4.1	5.1	ug/L
92-87-5	Benzidine	4.2	U	4.2	8.2	10.2	ug/L
129-00-0	Pyrene	1.1	U	1.1	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	4.1	5.1	ug/L
218-01-9	Chrysene	0.88	U	0.88	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	32.517	*	60-140		33	SPK: -100
13127-88-3	Phenol-d6	12.727	*	60-140		13	SPK: -100
4165-60-0	Nitrobenzene-d5	71.443		60-140		71	SPK: -100
321-60-8	2-Fluorobiphenyl	73.145		60-140		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.436		60-140		76	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	EFF-WWRE	SDG No.:	BF042424
Lab Sample ID:	P2116-02RE	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137727.D	1	4/15/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160276

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	78.704		60-140		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	264701	7.063				
1146-65-2	Naphthalene-d8	1040585	8.357				
15067-26-2	Acenaphthene-d10	558885	10.11				
1517-22-2	Phenanthrene-d10	913674	11.604				
1719-03-5	Chrysene-d12	492691	14.251				
1520-96-3	Perylene-d12	593786	15.827				
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATERRE	SDG No.:	BF042424
Lab Sample ID:	P2226-01RE	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
BF137728.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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	24.2		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	57.3		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:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATERRE	SDG No.:	BF042424
Lab Sample ID:	P2226-01RE	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
BF137728.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATERRE	SDG No.:	BF042424
Lab Sample ID:	P2226-01RE	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
BF137728.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

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	43.914	*	60-140		44	SPK: -100
13127-88-3	Phenol-d6	28.912	*	60-140		29	SPK: -100
4165-60-0	Nitrobenzene-d5	82.679		60-140		83	SPK: -100
321-60-8	2-Fluorobiphenyl	78.965		60-140		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.931		60-140		83	SPK: -100

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	GROUND-WATERRE	SDG No.:	BF042424
Lab Sample ID:	P2226-01RE	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
BF137728.D	1	4/23/2024 12:00:00 AM	4/24/2024 12:00:00 AM	PB160462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	83.918		60-140		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	285671	7.063				
1146-65-2	Naphthalene-d8	1136938	8.345				
15067-26-2	Acenaphthene-d10	604286	10.11				
1517-22-2	Phenanthrene-d10	901316	11.604				
1719-03-5	Chrysene-d12	485789	14.251				
1520-96-3	Perylene-d12	604041	15.827				
	1-Methylnaphthalene		U				

Hit Summary Sheet SW-846

SDG No.: BF042424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFF-WW								
P2116-02	EFF-WW	Water	1-Hexanol, 2-ethyl-	*	20.400	J		
P2116-02	EFF-WW	Water	1-Octanol, 5,7,7-trimethyl-2-(1,3,	*	29.200	J		
P2116-02	EFF-WW	Water	6-Octadecenoic acid, (Z)-	*	65.700	J		
P2116-02	EFF-WW	Water	Carbonic acid, 2-ethylhexyl tetrad	*	13.100	J		
P2116-02	EFF-WW	Water	Dodecanoic acid	*	200.000	J		
P2116-02	EFF-WW	Water	Ethyl Oleate	*	13.600	J		
P2116-02	EFF-WW	Water	Hexanoic acid, 2-ethyl-	*	270.000	J		
P2116-02	EFF-WW	Water	n-Decanoic acid	*	70.300	J		
P2116-02	EFF-WW	Water	n-Hexadecanoic acid	*	76.100	J		
P2116-02	EFF-WW	Water	Octadecanoic acid	*	51.900	J		
P2116-02	EFF-WW	Water	Octadecanoic acid, ethyl ester	*	17.300	J		
P2116-02	EFF-WW	Water	Octadecyl trifluoroacetate	*	20.400	J		
P2116-02	EFF-WW	Water	Octanoic acid	*	90.200	J		
P2116-02	EFF-WW	Water	Oxiraneoctanoic acid, 3-octyl-, 2-	*	20.400	J		
P2116-02	EFF-WW	Water	Pentafluoropropionic acid, tetrad	*	33.800	J		
P2116-02	EFF-WW	Water	Tetradecanoic acid	*	36.800	J		
P2116-02	EFF-WW	Water	unknown11.145	*	58.300	J		
Total Tics :					1,087.50			
Total Concentration:					1,087.50			
Client ID : LNG-11								
P2208-01	LNG-11	water	3+4-Methylphenols		27.300	J	11.5	100 ug/L
P2208-01	LNG-11	water	Benzyl Alcohol		27.500	J	16	100 ug/L
Total Svoc :					54.80			
Total Concentration:					54.80			
Client ID : GROUND-WATER								
P2226-01	GROUND-WATER	Water	(6aR,12aR)-6a,12a-Dihydro-6H-[	*	6.400	J		
P2226-01	GROUND-WATER	Water	2-Pentanone, 4-hydroxy-4-methyl	*	49.100	A		
P2226-01	GROUND-WATER	Water	2-Pentanone, 4-methoxy-4-methyl	*	4.900	J		
P2226-01	GROUND-WATER	Water	3-Penten-2-one, 4-methyl-	*	6.700	A		
P2226-01	GROUND-WATER	Water	7-Methoxymethyl-2,7-dimethylcy	*	8.000	J		
P2226-01	GROUND-WATER	Water	Apocynin	*	11.800	J		
P2226-01	GROUND-WATER	Water	Benzaldehyde, 3-hydroxy-4-meth	*	35.700	J		
P2226-01	GROUND-WATER	Water	Benzaldehyde, 4-hydroxy-	*	5.100	J		
P2226-01	GROUND-WATER	Water	Benzenamine, N-[(4-nitrophenyl)]	*	7.300	J		
P2226-01	GROUND-WATER	Water	Benzeneacetic acid	*	14.800	J		
P2226-01	GROUND-WATER	Water	Butane, 2-methoxy-2-methyl-	*	20.900	J		

Hit Summary Sheet SW-846

SDG No.: BF042424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P2226-01	GROUND-WATER	Water	Butanoic acid, 2-methyl-	*	18.800	J		
P2226-01	GROUND-WATER	Water	Coniferyl aldehyde	*	4.900	J		
P2226-01	GROUND-WATER	Water	Dehydroabietic acid	*	10.200	J		
P2226-01	GROUND-WATER	Water	endo-Borneol	*	9.100	J		
P2226-01	GROUND-WATER	Water	Indole	*	4.200	J		
P2226-01	GROUND-WATER	Water	n-Hexadecanoic acid	*	8.100	J		
P2226-01	GROUND-WATER	Water	Pentanoic acid, 3-methyl-	*	9.700	J		
P2226-01	GROUND-WATER	Water	unknown11.463	*	7.100	J		
P2226-01	GROUND-WATER	Water	unknown13.045	*	4.500	J		
Total Tics :					247.30			
P2226-01	GROUND-WATER	Water	Benzoic acid		58.400	5.5	10	ug/L
P2226-01	GROUND-WATER	Water	Phenol		24.300	0.93	5	ug/L
Total Svoc :					82.70			
Total Concentration:					330.00			
Client ID : GROUND-WATERRE								
P2226-01RE	GROUND-WATERRE	Water	Benzoic acid		57.300	5.5	10	ug/L
P2226-01RE	GROUND-WATERRE	Water	Phenol		24.200	0.93	5	ug/L
Total Svoc :					81.50			
Total Concentration:					81.50			
Client ID : YARD-3								
P2245-01	YARD-3	Solid	4H-Cyclopenta[def]phenanthrene	*	57.500	J		
P2245-01	YARD-3	Solid	Butane, 2-methoxy-2-methyl-	*	170.000	J		
P2245-01	YARD-3	Solid	Cyclohexane	*	57.500	J		
P2245-01	YARD-3	Solid	Fluoranthene, 2-methyl-	*	49.700	J		
P2245-01	YARD-3	Solid	Pentadecafluorooctanoic acid, oct-	*	49.000	J		
P2245-01	YARD-3	Solid	Phenanthrene, 2-methyl-	*	67.800	J		
Total Tics :					451.50			
P2245-01	YARD-3	Solid	Anthracene		100.000	J	61.7	120 ug/Kg
P2245-01	YARD-3	Solid	Benzo(a)anthracene		83.400	J	59	120 ug/Kg
P2245-01	YARD-3	Solid	Carbazole		64.100	J	58.7	120 ug/Kg
P2245-01	YARD-3	Solid	Chrysene		69.000	J	58.2	120 ug/Kg
P2245-01	YARD-3	Solid	Fluoranthene		230.000	J	59.8	120 ug/Kg
P2245-01	YARD-3	Solid	Phenanthrene		280.000	J	61.5	120 ug/Kg
P2245-01	YARD-3	Solid	Pyrene		240.000	J	60.7	120 ug/Kg
Total Svoc :					1,066.50			
Total Concentration:					1,518.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF042324 SAS No.: BF042324 SDG No.: BF042324
Instrument ID: _____ Calibration Date(s): 4/23/2024 : _____
Calibration Time(s): 17:12 _____

LAB FILE ID:		RRF2.5 = BF137698.D			RRF005 = BF137699.D		RRF010 = BF137700.D	
		RRF020 = BF137701.D			RRF040 = BF137702.D		RRF050 = BF137703.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.746	0.749	0.768	0.707	0.727	0.733	3.2
Pyridine		1.578	1.606	1.650	1.525	1.550	1.571	3.0
2-Fluorophenol		1.440	1.412	1.426	1.250	1.257	1.317	8.1
Benzaldehyde		1.088	1.072	1.032	0.832	0.815	0.938	14.9
Aniline		2.127	2.152	2.195	2.002	2.046	2.081	3.8
Phenol-d6		1.792	1.798	1.824	1.606	1.614	1.672	7.9
Phenol		1.759	1.769	1.813	1.603	1.620	1.670	6.5
bis(2-Chloroethyl)ether		1.457	1.437	1.459	1.315	1.311	1.362	6.4
2-Chlorophenol		1.439	1.474	1.514	1.319	1.321	1.374	7.5
1,2-Dichlorobenzene		1.477	1.462	1.489	1.294	1.301	1.351	9.2
1,3-Dichlorobenzene		1.547	1.540	1.551	1.383	1.390	1.441	7.1
1,4-Dichlorobenzene		1.565	1.559	1.573	1.389	1.399	1.451	7.8
Benzyl Alcohol		1.280	1.280	1.319	1.220	1.250	1.251	4.1
2-Methylphenol		1.273	1.272	1.298	1.177	1.190	1.221	5.0
2,2-oxybis(1-Chloropropane)		2.188	2.189	2.247	2.031	2.047	2.095	5.6
Acetophenone		0.539	0.526	0.531	0.462	0.467	0.489	8.6
3+4-Methylphenols		1.675	1.686	1.736	1.540	1.525	1.577	8.1
n-Nitroso-di-n-propylamine	1.141	1.149	1.146	1.164	1.021	1.032	1.081	7.1
Nitrobenzene-d5		0.382	0.387	0.405	0.360	0.372	0.377	4.5
Hexachloroethane		0.521	0.539	0.556	0.495	0.505	0.514	5.3
Nitrobenzene		0.380	0.392	0.408	0.366	0.376	0.381	4.3
Isophorone		0.720	0.716	0.738	0.659	0.691	0.700	4.0
2-Nitrophenol		0.136	0.153	0.176	0.166	0.178	0.167	10.2
2,4-Dimethylphenol		0.370	0.353	0.354	0.313	0.327	0.337	6.6
bis(2-Chloroethoxy)methane		0.447	0.451	0.461	0.404	0.415	0.427	6.0
2,4-Dichlorophenol		0.299	0.302	0.316	0.281	0.292	0.295	4.3
1,2,4-Trichlorobenzene		0.315	0.316	0.323	0.285	0.294	0.301	5.6
Benzoic acid			0.162	0.206	0.210	0.230	0.213	13.3
Naphthalene		1.126	1.109	1.128	0.964	0.980	1.021	9.7
4-Chloroaniline		0.459	0.460	0.471	0.409	0.417	0.432	7.2
Hexachlorobutadiene		0.184	0.191	0.195	0.173	0.177	0.180	5.6
Caprolactam		0.096	0.096	0.099	0.091	0.094	0.095	2.6
4-Chloro-3-methylphenol		0.319	0.326	0.335	0.299	0.306	0.313	4.4
2-Methylnaphthalene		0.773	0.765	0.775	0.656	0.671	0.700	9.9
Hexachlorocyclopentadiene		0.262	0.286	0.318	0.304	0.323	0.307	8.3
2,4,6-Trichlorophenol		0.389	0.395	0.411	0.373	0.379	0.385	4.4

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.: BF042324 SAS No.: BF042324 SDG No.: BF042324
Instrument ID: _____ Calibration Date(s): 4/23/2024 : _____
Calibration Time(s): 17:12 _____

LAB FILE ID:		RRF2.5 = BF137698.D		RRF005 = BF137699.D		RRF010 = BF137700.D		
		RRF020 = BF137701.D		RRF040 = BF137702.D		RRF050 = BF137703.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.527	1.512	1.483	1.190	1.169	1.339	13.9
2,4,5-Trichlorophenol		0.444	0.453	0.480	0.417	0.430	0.441	4.9
1,1-Biphenyl		1.605	1.600	1.612	1.377	1.380	1.455	10.1
2-Chloronaphthalene		1.191	1.201	1.227	1.058	1.078	1.122	7.4
2-Nitroaniline		0.292	0.324	0.364	0.337	0.356	0.342	7.8
Dimethylphthalate		1.518	1.483	1.512	1.292	1.326	1.393	7.6
Acenaphthylene		1.892	1.888	1.931	1.655	1.667	1.749	8.6
2,6-Dinitrotoluene		0.269	0.293	0.314	0.286	0.299	0.294	5.1
3-Nitroaniline		0.312	0.326	0.349	0.324	0.333	0.330	3.8
Acenaphthene		1.233	1.210	1.247	1.059	1.083	1.133	8.4
2,4-Dinitrophenol			0.094	0.124	0.130	0.147	0.135	18.0
4-Nitrophenol		0.235	0.253	0.275	0.254	0.258	0.257	4.8
Dibenzofuran		1.836	1.834	1.831	1.553	1.566	1.660	10.2
2,4-Dinitrotoluene		0.304	0.353	0.403	0.365	0.388	0.370	9.2
Diethylphthalate		1.474	1.467	1.486	1.245	1.258	1.340	9.7
4-Chlorophenyl-phenylether		0.703	0.702	0.713	0.593	0.608	0.641	9.8
Fluorene		1.473	1.434	1.452	1.202	1.214	1.297	11.6
4-Nitroaniline		0.284	0.309	0.345	0.308	0.317	0.314	6.0
4,6-Dinitro-2-methylphenol			0.086	0.111	0.112	0.123	0.115	13.8
n-Nitrosodiphenylamine		0.718	0.722	0.739	0.638	0.657	0.677	7.3
Azobenzene		1.494	1.495	1.514	1.303	1.299	1.373	9.0
2,4,6-Tribromophenol		0.213	0.214	0.221	0.187	0.193	0.202	6.9
4-Bromophenyl-phenylether		0.240	0.241	0.248	0.217	0.229	0.232	5.2
Hexachlorobenzene		0.238	0.233	0.240	0.212	0.221	0.226	5.3
Atrazine		0.221	0.211	0.214	0.177	0.169	0.187	14.9
Pentachlorophenol		0.167	0.173	0.185	0.164	0.169	0.170	4.9
Phenanthrene		1.188	1.163	1.168	0.987	1.000	1.059	10.7
Anthracene		1.208	1.193	1.199	1.014	1.026	1.084	10.5
Carbazole		1.090	1.061	1.077	0.926	0.937	0.982	9.4
Di-n-butylphthalate		1.321	1.310	1.366	1.113	1.130	1.198	11.0
Fluoranthene		1.243	1.234	1.239	1.040	1.054	1.113	11.2
Benzidine		0.563	0.623	0.467	0.438	0.365	0.467	20.5
Pyrene		1.649	1.684	1.724	1.536	1.589	1.642	3.8
Terphenyl-d14		1.347	1.337	1.342	1.130	1.155	1.243	7.7
Butylbenzylphthalate		0.497	0.535	0.611	0.562	0.604	0.582	9.1
3,3-Dichlorobenzidine		0.459	0.467	0.483	0.411	0.416	0.432	9.2

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.: BF042324 SAS No.: BF042324 SDG No.: BF042324
Instrument ID: _____ Calibration Date(s): 4/23/2024 : _____
Calibration Time(s): 17:12 _____

LAB FILE ID:		RRF2.5 = BF137698.D			RRF005 = BF137699.D		RRF010 = BF137700.D	
		RRF020 = BF137701.D			RRF040 = BF137702.D		RRF050 = BF137703.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.454	1.458	1.483	1.326	1.348	1.395	5.1
Chrysene		1.373	1.369	1.410	1.231	1.258	1.303	6.1
Bis(2-ethylhexyl)phthalate		0.790	0.837	0.961	0.853	0.906	0.879	6.6
Di-n-octyl phthalate		1.237	1.223	1.449	1.321	1.341	1.321	5.8
Benzo(b)fluoranthene		1.224	1.304	1.385	1.271	1.284	1.280	4.3
Benzo(k)fluoranthene		1.268	1.267	1.402	1.220	1.260	1.258	6.7
Benzo(a)pyrene		1.120	1.143	1.222	1.124	1.155	1.148	3.3
Indeno(1,2,3-cd)pyrene		1.059	1.018	1.037	1.012	1.117	1.109	10.3
Dibenzo(a,h)anthracene		0.882	0.850	0.871	0.842	0.924	0.920	9.4
Benzo(g,h,i)perylene		0.833	0.792	0.810	0.815	0.913	0.895	13.2
1,2,4,5-Tetrachlorobenzene		0.578	0.588	0.591	0.520	0.529	0.548	6.7
1,4-Dioxane		0.592	0.604	0.627	0.567	0.583	0.590	3.8
2,3,4,6-Tetrachlorophenol		0.359	0.361	0.374	0.323	0.329	0.341	6.8
1-Methylnaphthalene		0.723	0.720	0.727	0.612	0.622	0.655	10.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDICCC040

Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137702.D

Time Analyzed: 10:32

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	305832	7.063	1.23021e+01	8.35	677967	10.12
	UPPER LIMIT	611664	7.563	2460420	8.851	1355934	10.616
	LOWER LIMIT	152916	6.563	615105	7.851	338983.5	9.616
	EPA SAMPLE NO.						
01	PB160424BL	323560	7.06	1.31591e	8.35	753640	10.11
02	PB160424BS	310971	7.06	1.27612e	8.35	718357	10.12
03	PB160276BS	291051	7.06	1.182e+0	8.35	634864	10.12
04	PB160276BSD	314341	7.06	1.28586e	8.35	692262	10.12
05	PB160276BL	267520	7.06	1.06107e	8.35	562293	10.11
06	PB160462BS	306006	7.06	1.24726e	8.35	662309	10.12
07	PB160462BSD	276500	7.06	1.11165e	8.35	577056	10.11
08	PB160462BL	283619	7.06	1.12922e	8.35	595813	10.11
09	PB160476BL	295991	7.06	1.15708e	8.35	640160	10.11
10	PB160476BS	288539	7.06	1.15263e	8.35	626016	10.11
11	EFF-WW	260222	7.06	1.04627e	8.36	574327	10.11
12	GROUND-WATER	266909	7.06	1.06005e	8.35	572344	10.11
13	LNG-11	263474	7.06	1.02869e	8.35	541711	10.10
14	344	256022	7.06	993258	8.35	532840	10.10
15	YARD-3	250068	7.06	978984	8.35	533393	10.10
16	YARD-3MS	234705	7.06	908416	8.35	494675	10.11
17	YARD-3MSD	248810	7.06	978364	8.35	532186	10.11
18	EFF-WWRE	264701	7.06	1.04059e	8.36	558885	10.11
19	GROUND-WATERRE	285671	7.06	1.13694e	8.35	604286	10.11



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137702.D Time Analyzed: 20:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	305832	7.063	1.23021e+01	8.35	677967	10.12
UPPER LIMIT	611664	7.563	2460420	8.851	1355934	10.616
LOWER LIMIT	152916	6.563	615105	7.851	338983.5	9.616
EPA SAMPLE NO.						

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.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDCCC040

Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137709.D

Time Analyzed: 10:32

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	277085	7.063	1.0972e+00	8.35	627332	10.11
	UPPER LIMIT	554170	7.563	2194400	8.851	1254664	10.61
	LOWER LIMIT	138542.5	6.563	548600	7.851	313666	9.61
	EPA SAMPLE NO.						
01	PB160424BL	323560	7.06	1.31591e	8.35	753640	10.11
02	PB160424BS	310971	7.06	1.27612e	8.35	718357	10.12
03	PB160276BS	291051	7.06	1.182e+0	8.35	634864	10.12
04	PB160276BSD	314341	7.06	1.28586e	8.35	692262	10.12
05	PB160276BL	267520	7.06	1.06107e	8.35	562293	10.11
06	PB160462BS	306006	7.06	1.24726e	8.35	662309	10.12
07	PB160462BSD	276500	7.06	1.11165e	8.35	577056	10.11
08	PB160462BL	283619	7.06	1.12922e	8.35	595813	10.11
09	PB160476BL	295991	7.06	1.15708e	8.35	640160	10.11
10	PB160476BS	288539	7.06	1.15263e	8.35	626016	10.11
11	EFF-WW	260222	7.06	1.04627e	8.36	574327	10.11
12	GROUND-WATER	266909	7.06	1.06005e	8.35	572344	10.11
13	LNG-11	263474	7.06	1.02869e	8.35	541711	10.10
14	344	256022	7.06	993258	8.35	532840	10.10
15	YARD-3	250068	7.06	978984	8.35	533393	10.10
16	YARD-3MS	234705	7.06	908416	8.35	494675	10.11
17	YARD-3MSD	248810	7.06	978364	8.35	532186	10.11
18	EFF-WWRE	264701	7.06	1.04059e	8.36	558885	10.11
19	GROUND-WATERRE	285671	7.06	1.13694e	8.35	604286	10.11



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137709.D Time Analyzed: 20:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	277085	7.063	1.0972e+00	8.35	627332	10.11
UPPER LIMIT	554170	7.563	2194400	8.851	1254664	10.61
LOWER LIMIT	138542.5	6.563	548600	7.851	313666	9.61
EPA SAMPLE NO.						

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.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137702.D Time Analyzed: 10:32

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.14297e+0	11.604	792945	14.257	644418	15.833
	UPPER LIMIT	2285940	12.104	1585890	14.757	1288836	16.333
	LOWER LIMIT	571485	11.104	396472.5	13.757	322209	15.333
	EPA SAMPLE NO.						
01	PB160424BL	1.38685	11.60	1.09348e+	14.26	964757	15.83
02	PB160424BS	1.22623	11.61	813422	14.26	644767	15.83
03	PB160276BS	1.1534e	11.61	746197	14.26	557841	15.83
04	PB160276BSD	1.21621	11.61	801376	14.26	622095	15.83
05	PB160276BL	1.04716	11.60	822524	14.25	662980	15.83
06	PB160462BS	1.19221	11.61	826164	14.26	670411	15.83
07	PB160462BSD	1.02049	11.61	721195	14.26	579347	15.83
08	PB160462BL	1.12631	11.60	847938	14.25	622451	15.83
09	PB160476BL	1.1018e	11.60	796589	14.25	600891	15.83
10	PB160476BS	1.04887	11.61	730960	14.26	604317	15.83
11	EFF-WW	944748	11.60	482337	14.25	584097	15.83
12	GROUND-WATER	899135	11.60	484743	14.25	586457	15.83
13	LNG-11	890988	11.60	499433	14.25	544453	15.83
14	344	875122	11.60	464574	14.25	520635	15.83
15	YARD-3	891120	11.60	455618	14.25	489434	15.82
16	YARD-3MS	829314	11.60	454765	14.26	504816	15.83
17	YARD-3MSD	899529	11.60	488926	14.26	545928	15.83
18	EFF-WWRE	913674	11.60	492691	14.25	593786	15.83
19	GROUND-WATERRE	901316	11.60	485789	14.25	604041	15.83

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137702.D Time Analyzed: 20:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.14297e+0	11.604	792945	14.257	644418	15.833
UPPER LIMIT	2285940	12.104	1585890	14.757	1288836	16.333
LOWER LIMIT	571485	11.104	396472.5	13.757	322209	15.333
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137709.D Time Analyzed: 10:32

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.06683e+0	11.604	713326	14.257	562013	15.827
	UPPER LIMIT	2133660	12.104	1426652	14.757	1124026	16.327
	LOWER LIMIT	533415	11.104	356663	13.757	281006.5	15.327
	EPA SAMPLE NO.						
01	PB160424BL	1.38685	11.60	1.09348e+	14.26	964757	15.83
02	PB160424BS	1.22623	11.61	813422	14.26	644767	15.83
03	PB160276BS	1.1534e	11.61	746197	14.26	557841	15.83
04	PB160276BSD	1.21621	11.61	801376	14.26	622095	15.83
05	PB160276BL	1.04716	11.60	822524	14.25	662980	15.83
06	PB160462BS	1.19221	11.61	826164	14.26	670411	15.83
07	PB160462BSD	1.02049	11.61	721195	14.26	579347	15.83
08	PB160462BL	1.12631	11.60	847938	14.25	622451	15.83
09	PB160476BL	1.1018e	11.60	796589	14.25	600891	15.83
10	PB160476BS	1.04887	11.61	730960	14.26	604317	15.83
11	EFF-WW	944748	11.60	482337	14.25	584097	15.83
12	GROUND-WATER	899135	11.60	484743	14.25	586457	15.83
13	LNG-11	890988	11.60	499433	14.25	544453	15.83
14	344	875122	11.60	464574	14.25	520635	15.83
15	YARD-3	891120	11.60	455618	14.25	489434	15.82
16	YARD-3MS	829314	11.60	454765	14.26	504816	15.83
17	YARD-3MSD	899529	11.60	488926	14.26	545928	15.83
18	EFF-WWRE	913674	11.60	492691	14.25	593786	15.83
19	GROUND-WATERRE	901316	11.60	485789	14.25	604041	15.83

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042424 SAS No.: BF042424 SDG NO.: BF042424

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 24 2024 12:00AM

Lab File ID: BF137709.D Time Analyzed: 20:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.06683e+0	11.604	713326	14.257	562013	15.827
UPPER LIMIT	2133660	12.104	1426652	14.757	1124026	16.327
LOWER LIMIT	533415	11.104	356663	13.757	281006.5	15.327
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160276BS	n-Nitrosodimethylamine	50	42.7	ug/L	85				52	110	
	Pyridine	50	35.7	ug/L	71				55	145	
	Benzaldehyde	50	16	ug/L	32				10	110	
	Aniline	50	30.9	ug/L	62				50	150	
	Phenol	50	46.9	ug/L	94				48	130	
	bis(2-Chloroethyl)ether	50	44.5	ug/L	89				52	130	
	2-Chlorophenol	50	47.2	ug/L	94				55	130	
	1,2-Dichlorobenzene	50	47.7	ug/L	95				32	129	
	1,3-Dichlorobenzene	50	45.5	ug/L	91				1	172	
	1,4-Dichlorobenzene	50	46	ug/L	92				20	124	
	Benzyl Alcohol	50	44.8	ug/L	90				10	156	
	2-Methylphenol	50	43.8	ug/L	88				15	153	
	2,2-oxybis(1-Chloropropane)	50	44.8	ug/L	90				63	139	
	Acetophenone	50	44.4	ug/L	89				21	128	
	3+4-Methylphenols	50	43.4	ug/L	87				10	156	
	N-Nitroso-di-n-propylamine	50	43.5	ug/L	87				59	170	
	Hexachloroethane	50	47.3	ug/L	95				55	130	
	Nitrobenzene	50	44.2	ug/L	88				54	158	
	Isophorone	50	45.7	ug/L	91				52	180	
	2-Nitrophenol	50	50.3	ug/L	101				61	163	
	2,4-Dimethylphenol	50	47	ug/L	94				58	130	
	bis(2-Chloroethoxy)methane	50	44.7	ug/L	89				52	164	
	2,4-Dichlorophenol	50	46.3	ug/L	93				64	130	
	1,2,4-Trichlorobenzene	50	46.2	ug/L	92				44	142	
	Benzoic acid	50	46.9	ug/L	94				10	159	
	Naphthalene	50	44.5	ug/L	89				70	130	
	4-Chloroaniline	50	19.6	ug/L	39				10	126	
	Hexachlorobutadiene	50	45.1	ug/L	90				68	130	
	Caprolactam	50	44.6	ug/L	89				10	160	
	4-Chloro-3-methylphenol	50	46.1	ug/L	92				68	130	
	2-Methylnaphthalene	50	43.2	ug/L	86				25	124	
	Hexachlorocyclopentadiene	100	110	ug/L	110				21	137	
	2,4,6-Trichlorophenol	50	48.8	ug/L	98				69	130	
	2,4,5-Trichlorophenol	50	45.2	ug/L	90				74	100	
	1,1-Biphenyl	50	46.2	ug/L	92				20	125	
	2-Chloronaphthalene	50	47.2	ug/L	94				70	130	
	2-Nitroaniline	50	49.3	ug/L	99				61	112	
	Dimethylphthalate	50	46.8	ug/L	94				50	130	
	Acenaphthylene	50	46.5	ug/L	93				60	130	
	2,6-Dinitrotoluene	50	50.4	ug/L	101				68	137	
	3-Nitroaniline	50	32.6	ug/L	65				35	106	
	Acenaphthene	50	50.6	ug/L	101				70	130	
	Total PAH	800	770.6	ug/L	96				70	130	
	2,4-Dinitrophenol	100	100	ug/L	100				39	173	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160276BS	4-Nitrophenol	100	110	ug/L	110				35	130		
	Dibenzofuran	50	46.3	ug/L	93				29	125		
	2,4-Dinitrotoluene/2,6-Dinitro	100	103.4	ug/L	103				53	130		
	2,4-Dinitrotoluene	50	53	ug/L	106				53	130		
	Diethylphthalate	50	47	ug/L	94				47	130		
	4-Chlorophenyl-phenylether	50	46.5	ug/L	93				57	145		
	Fluorene	50	46.2	ug/L	92				70	130		
	4-Nitroaniline	50	48.3	ug/L	97				69	101		
	4,6-Dinitro-2-methylphenol	50	50.6	ug/L	101				56	130		
	N-Nitrosodiphenylamine	50	44.2	ug/L	88				63	100		
	Azobenzene	50	45.6	ug/L	91				58	105		
	4-Bromophenyl-phenylether	50	44.5	ug/L	89				70	130		
	Hexachlorobenzene	50	47.8	ug/L	96				38	142		
	Atrazine	50	55.5	ug/L	111				51	130		
	Pentachlorophenol	100	80.9	ug/L	81				42	152		
	Phenanthrene	50	44.3	ug/L	89				67	130		
	Anthracene	50	43.8	ug/L	88				58	130		
	Carbazole	50	45.1	ug/L	90				60	125		
	Di-n-butylphthalate	50	45	ug/L	90				52	130		
	Fluoranthene	50	44.2	ug/L	88				47	130		
	Benzidine	100	40.1	ug/L	40				10	133		
	Pyrene	50	46.3	ug/L	93				70	130		
	Butylbenzylphthalate	50	51.1	ug/L	102				43	140		
	3,3-Dichlorobenzidine	50	33.2	ug/L	66				18	213		
	Benzo(a)anthracene	50	45.6	ug/L	91				42	133		
	Chrysene	50	44.8	ug/L	90				44	140		
	bis(2-Ethylhexyl)phthalate	50	50.3	ug/L	101				43	137		
	Di-n-octyl phthalate	50	48.6	ug/L	97				21	132		
	Benzo(b)fluoranthene	50	50.2	ug/L	100				42	140		
	Benzo(k)fluoranthene	50	51.3	ug/L	103				25	146		
	Benzo(a)pyrene	50	45.7	ug/L	91				32	148		
	Indeno(1,2,3-cd)pyrene	50	54.8	ug/L	110				13	151		
	Dibenz(a,h)anthracene	50	55.5	ug/L	111				13	200		
	Benzo(g,h,i)perylene	50	56.3	ug/L	113				13	195		
	1,2,4,5-Tetrachlorobenzene	50	45.7	ug/L	91				70	130		
	2,3,4,6-Tetrachlorophenol	50	50	ug/L	100				70	130		
	1,4-Dioxane	50	36.5	ug/L	73				70	130		
PB160276BSD	n-Nitrosodimethylamine	50	43.1	ug/L	86	1			52	110	20	
	Pyridine	50	35.7	ug/L	71	0			55	145	20	
	Benzaldehyde	50	15.7	ug/L	31	2			10	110	20	
	Aniline	50	30.9	ug/L	62	0			50	150	20	
	Phenol	50	46.8	ug/L	94	0			48	130	20	
	bis(2-Chloroethyl)ether	50	45.1	ug/L	90	1			52	130	20	
	2-Chlorophenol	50	47.8	ug/L	96	1			55	130	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160276BSD	1,2-Dichlorobenzene	50	47.9	ug/L	96	0			32	129	20
	1,3-Dichlorobenzene	50	45.8	ug/L	92	1			1	172	20
	1,4-Dichlorobenzene	50	46	ug/L	92	0			20	124	20
	Benzyl Alcohol	50	45.6	ug/L	91	2			10	156	20
	2-Methylphenol	50	44.1	ug/L	88	1			15	153	20
	2,2-oxybis(1-Chloropropane)	50	45	ug/L	90	0			63	139	20
	Acetophenone	50	44.2	ug/L	88	0			21	128	20
	3+4-Methylphenols	50	43	ug/L	86	1			10	156	20
	N-Nitroso-di-n-propylamine	50	43.5	ug/L	87	0			59	170	20
	Hexachloroethane	50	46.8	ug/L	94	1			55	130	20
	Nitrobenzene	50	44.2	ug/L	88	0			54	158	20
	Isophorone	50	45.9	ug/L	92	0			52	180	20
	2-Nitrophenol	50	50.5	ug/L	101	0			61	163	20
	2,4-Dimethylphenol	50	46.8	ug/L	94	0			58	130	20
	bis(2-Chloroethoxy)methane	50	44.7	ug/L	89	0			52	164	20
	2,4-Dichlorophenol	50	46.3	ug/L	93	0			64	130	20
	1,2,4-Trichlorobenzene	50	46.2	ug/L	92	0			44	142	20
	Benzoic acid	50	48	ug/L	96	2			10	159	20
	Naphthalene	50	44.2	ug/L	88	1			70	130	20
	4-Chloroaniline	50	19.4	ug/L	39	1			10	126	20
	Hexachlorobutadiene	50	45.1	ug/L	90	0			68	130	20
	Caprolactam	50	42.8	ug/L	86	4			10	160	20
	4-Chloro-3-methylphenol	50	45.8	ug/L	92	1			68	130	20
	2-Methylnaphthalene	50	43.1	ug/L	86	0			25	124	20
	Hexachlorocyclopentadiene	100	110	ug/L	110	0			21	137	20
	2,4,6-Trichlorophenol	50	49	ug/L	98	0			69	130	20
	2,4,5-Trichlorophenol	50	44.7	ug/L	89	1			74	100	20
	1,1-Biphenyl	50	46	ug/L	92	0			20	125	20
	2-Chloronaphthalene	50	47.2	ug/L	94	0			70	130	20
	2-Nitroaniline	50	48.9	ug/L	98	1			61	112	20
	Dimethylphthalate	50	46.1	ug/L	92	2			50	130	20
	Acenaphthylene	50	45.7	ug/L	91	2			60	130	20
	2,6-Dinitrotoluene	50	49.8	ug/L	100	1			68	137	20
	3-Nitroaniline	50	31.8	ug/L	64	2			35	106	20
	Acenaphthene	50	50.3	ug/L	101	1			70	130	20
	Total PAH	800	757	ug/L	95	2			70	130	20
	2,4-Dinitrophenol	100	100	ug/L	100	0			39	173	20
	4-Nitrophenol	100	100	ug/L	100	10			35	130	20
	Dibenzofuran	50	45.7	ug/L	91	1			29	125	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	101.9	ug/L	102	1			53	130	20
	2,4-Dinitrotoluene	50	52.1	ug/L	104	2			53	130	20
	Diethylphthalate	50	46	ug/L	92	2			47	130	20
	4-Chlorophenyl-phenylether	50	45.7	ug/L	91	2			57	145	20
	Fluorene	50	45.3	ug/L	91	2			70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160276BSD	4-Nitroaniline	50	47.4	ug/L	95	2			69	101	20
	4,6-Dinitro-2-methylphenol	50	52.3	ug/L	105	3			56	130	20
	N-Nitrosodiphenylamine	50	44.6	ug/L	89	1			63	100	20
	Azobenzene	50	44.4	ug/L	89	3			58	105	20
	4-Bromophenyl-phenylether	50	44.8	ug/L	90	1			70	130	20
	Hexachlorobenzene	50	48.4	ug/L	97	1			38	142	20
	Atrazine	50	55.8	ug/L	112	1			51	130	20
	Pentachlorophenol	100	82.2	ug/L	82	2			42	152	20
	Phenanthrene	50	44.5	ug/L	89	0			67	130	20
	Anthracene	50	44.6	ug/L	89	2			58	130	20
	Carbazole	50	44.6	ug/L	89	1			60	125	20
	Di-n-butylphthalate	50	44.6	ug/L	89	1			52	130	20
	Fluoranthene	50	44.3	ug/L	89	0			47	130	20
	Benzidine	100	41.8	ug/L	42	4			10	133	20
	Pyrene	50	45.8	ug/L	92	1			70	130	20
	Butylbenzylphthalate	50	51.4	ug/L	103	1			43	140	20
	3,3-Dichlorobenzidine	50	33	ug/L	66	1			18	213	20
	Benzo(a)anthracene	50	45.1	ug/L	90	1			42	133	20
	Chrysene	50	43.9	ug/L	88	2			44	140	20
	bis(2-Ethylhexyl)phthalate	50	51.6	ug/L	103	3			43	137	20
	Di-n-octyl phthalate	50	50.8	ug/L	102	4			21	132	20
	Benzo(b)fluoranthene	50	49	ug/L	98	2			42	140	20
	Benzo(k)fluoranthene	50	50	ug/L	100	3			25	146	20
	Benzo(a)pyrene	50	45.1	ug/L	90	1			32	148	20
	Indeno(1,2,3-cd)pyrene	50	52.8	ug/L	106	4			13	151	20
	Dibenz(a,h)anthracene	50	53.2	ug/L	106	4			13	200	20
	Benzo(g,h,i)perylene	50	53.2	ug/L	106	6			13	195	20
	1,2,4,5-Tetrachlorobenzene	50	45.8	ug/L	92	0			70	130	20
	2,3,4,6-Tetrachlorophenol	50	48.9	ug/L	98	2			70	130	20
	1,4-Dioxane	50	36.6	ug/L	73	0			70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160424BS	n-Nitrosodimethylamine	50	44.6	ug/L	89				55	108	
	Pyridine	50	37	ug/L	74				29	97	
	Benzaldehyde	50	0	ug/L	0		*		15	121	
	Aniline	50	27.5	ug/L	55				10	130	
	Phenol	50	47.1	ug/L	94				66	118	
	bis(2-Chloroethyl)ether	50	45.9	ug/L	92				62	103	
	2-Chlorophenol	50	49	ug/L	98				70	117	
	1,2-Dichlorobenzene	50	49.5	ug/L	99				72	102	
	1,3-Dichlorobenzene	50	47.2	ug/L	94				71	103	
	1,4-Dichlorobenzene	50	47.6	ug/L	95				76	103	
	Benzyl Alcohol	50	46	ug/L	92				36	93	
	2-Methylphenol	50	44.5	ug/L	89				69	109	
	2,2-oxybis(1-Chloropropane)	50	45.8	ug/L	92				52	103	
	Acetophenone	50	45.5	ug/L	91				60	104	
	3+4-Methylphenols	50	44	ug/L	88				67	106	
	N-Nitroso-di-n-propylamine	50	44.7	ug/L	89				57	107	
	Hexachloroethane	50	48.4	ug/L	97				76	118	
	Nitrobenzene	50	45	ug/L	90				58	106	
	Isophorone	50	46.2	ug/L	92				61	102	
	2-Nitrophenol	50	50.7	ug/L	101				70	115	
	2,4-Dimethylphenol	50	38.3	ug/L	77				67	130	
	bis(2-Chloroethoxy)methane	50	45.4	ug/L	91				58	109	
	2,4-Dichlorophenol	50	47.3	ug/L	95				66	115	
	1,2,4-Trichlorobenzene	50	47.5	ug/L	95				41	115	
	Benzoic acid	50	48.8	ug/L	98				10	125	
	Naphthalene	50	45.4	ug/L	91				64	107	
	4-Chloroaniline	50	15.1	ug/L	30				10	85	
	Hexachlorobutadiene	50	46.3	ug/L	93				69	101	
	Caprolactam	50	42.6	ug/L	85				58	128	
	4-Chloro-3-methylphenol	50	47	ug/L	94				65	114	
	2-Methylnaphthalene	50	44.3	ug/L	89				64	107	
	Hexachlorocyclopentadiene	100	98.2	ug/L	98				36	160	
	2,4,6-Trichlorophenol	50	47.4	ug/L	95				61	110	
	2,4,5-Trichlorophenol	50	44.1	ug/L	88				70	106	
	1,1-Biphenyl	50	45.5	ug/L	91				72	98	
	2-Chloronaphthalene	50	46.3	ug/L	93				59	106	
	2-Nitroaniline	50	48	ug/L	96				58	107	
	Dimethylphthalate	50	45.3	ug/L	91				64	103	
	Acenaphthylene	50	46.7	ug/L	93				65	108	
	2,6-Dinitrotoluene	50	47.4	ug/L	95				64	110	
	3-Nitroaniline	50	28.8	ug/L	58				28	100	
	Acenaphthene	50	48.3	ug/L	97				59	113	
	Total PAH	800	761.6	ug/L	95				59	113	
	2,4-Dinitrophenol	100	95.8	ug/L	96				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160424BS	4-Nitrophenol	100	95.4	ug/L	95				68	116	
	Dibenzofuran	50	44.5	ug/L	89				65	106	
	2,4-Dinitrotoluene	50	51.5	ug/L	103				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	98.9	ug/L	99				60	115	
	Diethylphthalate	50	45.5	ug/L	91				63	105	
	4-Chlorophenyl-phenylether	50	44.6	ug/L	89				61	104	
	Fluorene	50	44.6	ug/L	89				64	107	
	4-Nitroaniline	50	46.8	ug/L	94				69	112	
	4,6-Dinitro-2-methylphenol	50	53.4	ug/L	107				62	132	
	N-Nitrosodiphenylamine	50	45.1	ug/L	90				61	109	
	Azobenzene	50	44.7	ug/L	89				59	106	
	4-Bromophenyl-phenylether	50	46	ug/L	92				73	103	
	Hexachlorobenzene	50	48.7	ug/L	97				73	106	
	Atrazine	50	54.2	ug/L	108				76	120	
	Pentachlorophenol	100	88.2	ug/L	88				47	114	
	Phenanthrene	50	44.8	ug/L	90				62	109	
	Anthracene	50	44.9	ug/L	90				65	110	
	Carbazole	50	45.6	ug/L	91				62	106	
	Di-n-butylphthalate	50	45.3	ug/L	91				64	106	
	Fluoranthene	50	44.9	ug/L	90				64	110	
	Benzidine	100	38.7	ug/L	39				10	94	
	Pyrene	50	46.5	ug/L	93				71	103	
	Butylbenzylphthalate	50	51.6	ug/L	103				61	105	
	3,3-Dichlorobenzidine	50	30.5	ug/L	61				43	108	
	Benzo(a)anthracene	50	47.1	ug/L	94				62	107	
	Chrysene	50	46.3	ug/L	93				61	108	
	bis(2-Ethylhexyl)phthalate	50	52.2	ug/L	104				59	110	
	Di-n-octyl phthalate	50	52	ug/L	104				67	126	
	Benzo(b)fluoranthene	50	49.3	ug/L	99				77	113	
	Benzo(k)fluoranthene	50	49.4	ug/L	99				64	113	
	Benzo(a)pyrene	50	47.9	ug/L	96				72	131	
	Indeno(1,2,3-cd)pyrene	50	53	ug/L	106		*		72	105	
	Dibenz(a,h)anthracene	50	51.9	ug/L	104				78	115	
	Benzo(g,h,i)perylene	50	50.6	ug/L	101				75	118	
	1,2,4,5-Tetrachlorobenzene	50	45.2	ug/L	90				72	101	
	1,4-Dioxane	50	38.3	ug/L	77				38	125	
	2,3,4,6-Tetrachlorophenol	50	47.3	ug/L	95				63	116	
	1-Methylnaphthalene	50	44.2	ug/L	88				51	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160462BS	n-Nitrosodimethylamine	50	42.5	ug/L	85				52	110	
	Pyridine	50	35.5	ug/L	71				55	145	
	Benzaldehyde	50	15.8	ug/L	32				10	110	
	Aniline	50	30.2	ug/L	60				50	150	
	Phenol	50	46.4	ug/L	93				48	130	
	bis(2-Chloroethyl)ether	50	44.6	ug/L	89				52	130	
	2-Chlorophenol	50	47.9	ug/L	96				55	130	
	1,2-Dichlorobenzene	50	47.7	ug/L	95				32	129	
	1,3-Dichlorobenzene	50	46	ug/L	92				1	172	
	1,4-Dichlorobenzene	50	45.9	ug/L	92				20	124	
	Benzyl Alcohol	50	44.3	ug/L	89				10	156	
	2-Methylphenol	50	43.7	ug/L	87				15	153	
	2,2-oxybis(1-Chloropropane)	50	45.3	ug/L	91				63	139	
	Acetophenone	50	43.8	ug/L	88				21	128	
	3+4-Methylphenols	50	42.9	ug/L	86				10	156	
	N-Nitroso-di-n-propylamine	50	43.1	ug/L	86				59	170	
	Hexachloroethane	50	45.9	ug/L	92				55	130	
	Nitrobenzene	50	43.9	ug/L	88				54	158	
	Isophorone	50	45.1	ug/L	90				52	180	
	2-Nitrophenol	50	48.7	ug/L	97				61	163	
	2,4-Dimethylphenol	50	46.2	ug/L	92				58	130	
	bis(2-Chloroethoxy)methane	50	44.4	ug/L	89				52	164	
	2,4-Dichlorophenol	50	46.3	ug/L	93				64	130	
	1,2,4-Trichlorobenzene	50	45.7	ug/L	91				44	142	
	Benzoic acid	50	44.1	ug/L	88				10	159	
	Naphthalene	50	44	ug/L	88				70	130	
	4-Chloroaniline	50	18.8	ug/L	38				10	126	
	Hexachlorobutadiene	50	44.9	ug/L	90				68	130	
	Caprolactam	50	43.3	ug/L	87				10	160	
	4-Chloro-3-methylphenol	50	46	ug/L	92				68	130	
	2-Methylnaphthalene	50	42.7	ug/L	85				25	124	
	Hexachlorocyclopentadiene	100	110	ug/L	110				21	137	
	2,4,6-Trichlorophenol	50	48.6	ug/L	97				69	130	
	2,4,5-Trichlorophenol	50	45.1	ug/L	90				74	100	
	1,1-Biphenyl	50	46	ug/L	92				20	125	
	2-Chloronaphthalene	50	47.6	ug/L	95				70	130	
	2-Nitroaniline	50	48.6	ug/L	97				61	112	
	Dimethylphthalate	50	46.6	ug/L	93				50	130	
	Acenaphthylene	50	46.1	ug/L	92				60	130	
	2,6-Dinitrotoluene	50	50.5	ug/L	101				68	137	
	3-Nitroaniline	50	33.9	ug/L	68				35	106	
	Acenaphthene	50	50.6	ug/L	101				70	130	
	Total PAH	800	742.9	ug/L	93				70	130	
	2,4-Dinitrophenol	100	98.6	ug/L	99				39	173	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160462BS	4-Nitrophenol	100	100	ug/L	100				35	130	
	Dibenzofuran	50	46.1	ug/L	92				29	125	
	2,4-Dinitrotoluene/2,6-Dinitro	100	103.9	ug/L	104				53	130	
	2,4-Dinitrotoluene	50	53.4	ug/L	107				53	130	
	Diethylphthalate	50	46.3	ug/L	93				47	130	
	4-Chlorophenyl-phenylether	50	45.4	ug/L	91				57	145	
	Fluorene	50	45.7	ug/L	91				70	130	
	4-Nitroaniline	50	48.6	ug/L	97				69	101	
	4,6-Dinitro-2-methylphenol	50	50.5	ug/L	101				56	130	
	N-Nitrosodiphenylamine	50	44.1	ug/L	88				63	100	
	Azobenzene	50	44.6	ug/L	89				58	105	
	4-Bromophenyl-phenylether	50	44.3	ug/L	89				70	130	
	Hexachlorobenzene	50	46.9	ug/L	94				38	142	
	Atrazine	50	54.5	ug/L	109				51	130	
	Pentachlorophenol	100	80.1	ug/L	80				42	152	
	Phenanthrene	50	44.2	ug/L	88				67	130	
	Anthracene	50	43.6	ug/L	87				58	130	
	Carbazole	50	44.9	ug/L	90				60	125	
	Di-n-butylphthalate	50	43.8	ug/L	88				52	130	
	Fluoranthene	50	44	ug/L	88				47	130	
	Benzidine	100	38.4	ug/L	38				10	133	
	Pyrene	50	43.4	ug/L	87				70	130	
	Butylbenzylphthalate	50	48.2	ug/L	96				43	140	
	3,3-Dichlorobenzidine	50	32.9	ug/L	66				18	213	
	Benzo(a)anthracene	50	45.8	ug/L	92				42	133	
	Chrysene	50	43.7	ug/L	87				44	140	
	bis(2-Ethylhexyl)phthalate	50	47.5	ug/L	95				43	137	
	Di-n-octyl phthalate	50	50.7	ug/L	101				21	132	
	Benzo(b)fluoranthene	50	50.7	ug/L	101				42	140	
	Benzo(k)fluoranthene	50	51.5	ug/L	103				25	146	
	Benzo(a)pyrene	50	45.7	ug/L	91				32	148	
	Indeno(1,2,3-cd)pyrene	50	47.9	ug/L	96				13	151	
	Dibenz(a,h)anthracene	50	48.4	ug/L	97				13	200	
	Benzo(g,h,i)perylene	50	47.6	ug/L	95				13	195	
	1,2,4,5-Tetrachlorobenzene	50	45.6	ug/L	91				70	130	
	2,3,4,6-Tetrachlorophenol	50	49.2	ug/L	98				70	130	
	1,4-Dioxane	50	36.6	ug/L	73				70	130	
PB160462BSD	n-Nitrosodimethylamine	50	42.7	ug/L	85	0			52	110	20
	Pyridine	50	36.3	ug/L	73	2			55	145	20
	Benzaldehyde	50	15.2	ug/L	30	4			10	110	20
	Aniline	50	29.3	ug/L	59	3			50	150	20
	Phenol	50	46.6	ug/L	93	0			48	130	20
	bis(2-Chloroethyl)ether	50	44.4	ug/L	89	0			52	130	20
	2-Chlorophenol	50	47.1	ug/L	94	2			55	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160462BSD	1,2-Dichlorobenzene	50	48.1	ug/L	96	1			32	129	20
	1,3-Dichlorobenzene	50	46.4	ug/L	93	1			1	172	20
	1,4-Dichlorobenzene	50	46.5	ug/L	93	1			20	124	20
	Benzyl Alcohol	50	43.5	ug/L	87	2			10	156	20
	2-Methylphenol	50	42.7	ug/L	85	2			15	153	20
	2,2-oxybis(1-Chloropropane)	50	44.5	ug/L	89	2			63	139	20
	Acetophenone	50	44.2	ug/L	88	1			21	128	20
	3+4-Methylphenols	50	42.3	ug/L	85	1			10	156	20
	N-Nitroso-di-n-propylamine	50	42.5	ug/L	85	1			59	170	20
	Hexachloroethane	50	46.9	ug/L	94	2			55	130	20
	Nitrobenzene	50	43.9	ug/L	88	0			54	158	20
	Isophorone	50	44.8	ug/L	90	1			52	180	20
	2-Nitrophenol	50	49.2	ug/L	98	1			61	163	20
	2,4-Dimethylphenol	50	46.4	ug/L	93	0			58	130	20
	bis(2-Chloroethoxy)methane	50	44.1	ug/L	88	1			52	164	20
	2,4-Dichlorophenol	50	45.7	ug/L	91	1			64	130	20
	1,2,4-Trichlorobenzene	50	46.2	ug/L	92	1			44	142	20
	Benzoic acid	50	44.9	ug/L	90	2			10	159	20
	Naphthalene	50	44.7	ug/L	89	2			70	130	20
	4-Chloroaniline	50	20.4	ug/L	41	8			10	126	20
	Hexachlorobutadiene	50	45.4	ug/L	91	1			68	130	20
	Caprolactam	50	45.2	ug/L	90	4			10	160	20
	4-Chloro-3-methylphenol	50	44.8	ug/L	90	3			68	130	20
	2-Methylnaphthalene	50	42.6	ug/L	85	0			25	124	20
	Hexachlorocyclopentadiene	100	110	ug/L	110	0			21	137	20
	2,4,6-Trichlorophenol	50	49.3	ug/L	99	1			69	130	20
	2,4,5-Trichlorophenol	50	44.8	ug/L	90	1			74	100	20
	1,1-Biphenyl	50	47.2	ug/L	94	3			20	125	20
	2-Chloronaphthalene	50	48.5	ug/L	97	2			70	130	20
	2-Nitroaniline	50	49.2	ug/L	98	1			61	112	20
	Dimethylphthalate	50	46.8	ug/L	94	0			50	130	20
	Acenaphthylene	50	47	ug/L	94	2			60	130	20
	2,6-Dinitrotoluene	50	50.4	ug/L	101	0			68	137	20
	3-Nitroaniline	50	31.5	ug/L	63	7			35	106	20
	Acenaphthene	50	51.2	ug/L	102	1			70	130	20
	Total PAH	800	761.9	ug/L	95	3			70	130	20
	2,4-Dinitrophenol	100	99.4	ug/L	99	1			39	173	20
	4-Nitrophenol	100	100	ug/L	100	0			35	130	20
	Dibenzofuran	50	46	ug/L	92	0			29	125	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	103.1	ug/L	103	1			53	130	20
	2,4-Dinitrotoluene	50	52.7	ug/L	105	1			53	130	20
	Diethylphthalate	50	46.2	ug/L	92	0			47	130	20
	4-Chlorophenyl-phenylether	50	45.9	ug/L	92	1			57	145	20
	Fluorene	50	46.1	ug/L	92	1			70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160462BSD	4-Nitroaniline	50	48.2	ug/L	96	1			69	101	20
	4,6-Dinitro-2-methylphenol	50	51.3	ug/L	103	2			56	130	20
	N-Nitrosodiphenylamine	50	45.5	ug/L	91	3			63	100	20
	Azobenzene	50	44.4	ug/L	89	0			58	105	20
	4-Bromophenyl-phenylether	50	45	ug/L	90	2			70	130	20
	Hexachlorobenzene	50	47.5	ug/L	95	1			38	142	20
	Atrazine	50	55.7	ug/L	111	2			51	130	20
	Pentachlorophenol	100	81.4	ug/L	81	2			42	152	20
	Phenanthrene	50	45.4	ug/L	91	3			67	130	20
	Anthracene	50	44.8	ug/L	90	3			58	130	20
	Carbazole	50	46.2	ug/L	92	3			60	125	20
	Di-n-butylphthalate	50	44.1	ug/L	88	1			52	130	20
	Fluoranthene	50	44.9	ug/L	90	2			47	130	20
	Benzidine	100	36.4	ug/L	36	5			10	133	20
	Pyrene	50	44.3	ug/L	89	2			70	130	20
	Butylbenzylphthalate	50	47.2	ug/L	94	2			43	140	20
	3,3-Dichlorobenzidine	50	32.1	ug/L	64	2			18	213	20
	Benzo(a)anthracene	50	45.7	ug/L	91	0			42	133	20
	Chrysene	50	44.5	ug/L	89	2			44	140	20
	bis(2-Ethylhexyl)phthalate	50	46.1	ug/L	92	3			43	137	20
	Di-n-octyl phthalate	50	46.7	ug/L	93	8			21	132	20
	Benzo(b)fluoranthene	50	51	ug/L	102	1			42	140	20
	Benzo(k)fluoranthene	50	49.8	ug/L	100	3			25	146	20
	Benzo(a)pyrene	50	45.7	ug/L	91	0			32	148	20
	Indeno(1,2,3-cd)pyrene	50	51.9	ug/L	104	8			13	151	20
	Dibenz(a,h)anthracene	50	52.3	ug/L	105	8			13	200	20
	Benzo(g,h,i)perylene	50	52.6	ug/L	105	10			13	195	20
	1,2,4,5-Tetrachlorobenzene	50	47	ug/L	94	3			70	130	20
	2,3,4,6-Tetrachlorophenol	50	49.1	ug/L	98	0			70	130	20
	1,4-Dioxane	50	37.4	ug/L	75	2			70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160476BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	147	
	Aniline	1700	770	ug/Kg	45				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	380	ug/Kg	22				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	860	ug/Kg	51				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	25500	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160476BS	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3400	ug/Kg	100				60	106	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1800	ug/Kg	106				67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1300	ug/Kg	39				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	800	ug/Kg	47				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160276BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF042424

SAS No.: BF042424 SDG NO.: BF042424

Lab File ID: BF137714.D

Lab Sample ID: PB160276BL

Instrument ID: BNA_F

Date Extracted: 04/15/2024

Matrix: (soil/water) Water

Date Analyzed: 04/24/2024

Level: (low/med) LOW

Time Analyzed: 12:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160276BS	PB160276BS	BF137712.D	04/24/2024
PB160276BSD	PB160276BSD	BF137713.D	04/24/2024
EFF-WW	P2116-02	BF137720.D	04/24/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160424BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF042424

SAS No.: BF042424 SDG NO.: BF042424

Lab File ID: BF137710.D

Lab Sample ID: PB160424BL

Instrument ID: BNA_F

Date Extracted: 04/22/2024

Matrix: (soil/water) water

Date Analyzed: 04/24/2024

Level: (low/med) LOW

Time Analyzed: 10:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160424BS	PB160424BS	BF137711.D	04/24/2024
LNG-11	P2208-01	BF137722.D	04/24/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160462BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF042424

SAS No.: BF042424 SDG NO.: BF042424

Lab File ID: BF137717.D

Lab Sample ID: PB160462BL

Instrument ID: BNA_F

Date Extracted: 04/23/2024

Matrix: (soil/water) Water

Date Analyzed: 04/24/2024

Level: (low/med) LOW

Time Analyzed: 14:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160462BS	PB160462BS	BF137715.D	04/24/2024
PB160462BSD	PB160462BSD	BF137716.D	04/24/2024
GROUND-WATER	P2226-01	BF137721.D	04/24/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160476BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF042424

SAS No.: BF042424 SDG NO.: BF042424

Lab File ID: BF137718.D

Lab Sample ID: PB160476BL

Instrument ID: BNA_F

Date Extracted: 04/24/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/24/2024

Level: (low/med) LOW

Time Analyzed: 14:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160476BS	PB160476BS	BF137719.D	04/24/2024
344	P2241-01	BF137723.D	04/24/2024
YARD-3	P2245-01	BF137724.D	04/24/2024
YARD-3MS	P2245-01MS	BF137725.D	04/24/2024
YARD-3MSD	P2245-01MSD	BF137726.D	04/24/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2245-01MS		Client Sample ID: YARD-3MS		DataFile: BF137725.D							
n-Nitrosodimethylamine	1200		1100	ug/Kg	92				66	124	
Pyridine	1200		960	ug/Kg	80				45	119	
Benzaldehyde	1200		0	ug/Kg	0	*			26	163	
Aniline	1200		680	ug/Kg	57				10	88	
Phenol	1200		1200	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				74	116	
2-Chlorophenol	1200		1200	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1200		1200	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1200		1200	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1200		1200	ug/Kg	100				63	104	
Benzyl Alcohol	1200		1100	ug/Kg	92				47	126	
2-Methylphenol	1200		1100	ug/Kg	92				66	122	
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92				52	115	
Acetophenone	1200		1100	ug/Kg	92				75	111	
3+4-Methylphenols	1200		1100	ug/Kg	92				53	132	
N-Nitroso-di-n-propylamine	1200		1000	ug/Kg	83				59	119	
Hexachloroethane	1200		1200	ug/Kg	100				65	117	
Nitrobenzene	1200		1100	ug/Kg	92				70	119	
Isophorone	1200		1100	ug/Kg	92				76	122	
2-Nitrophenol	1200		1300	ug/Kg	108				54	145	
2,4-Dimethylphenol	1200		950	ug/Kg	79	*			83	144	
bis(2-Chloroethoxy)methane	1200		1100	ug/Kg	92				68	112	
2,4-Dichlorophenol	1200		1200	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1200		1200	ug/Kg	100				57	103	
Benzoic acid	1200		1200	ug/Kg	100				50	104	
Naphthalene	1200		1100	ug/Kg	92				72	110	
4-Chloroaniline	1200		430	ug/Kg	36				10	100	
Hexachlorobutadiene	1200		1100	ug/Kg	92				66	114	
Caprolactam	1200		1200	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1200		1200	ug/Kg	100				57	132	
2-Methylnaphthalene	1200		1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2400		2200	ug/Kg	92				10	175	
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
1,1-Biphenyl	1200		1200	ug/Kg	100				75	113	
2-Chloronaphthalene	1200		1200	ug/Kg	100				67	118	
2-Nitroaniline	1200		1200	ug/Kg	100				69	127	
Dimethylphthalate	1200		1100	ug/Kg	92				70	113	
Acenaphthylene	1200		1200	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1200		1200	ug/Kg	100				70	125	
3-Nitroaniline	1200		730	ug/Kg	61				20	111	
Acenaphthene	1200		1200	ug/Kg	100				70	121	
Total PAH	19200	1002.4	20500	ug/Kg	107				70	121	
2,4-Dinitrophenol	2400		2000	ug/Kg	83				16	160	
4-Nitrophenol	2400		2300	ug/Kg	96				45	133	
Dibenzofuran	1200		1200	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1300	ug/Kg	108				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2500	ug/Kg	104				55	128	
Diethylphthalate	1200		1100	ug/Kg	92				70	112	
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92				71	108	
Fluorene	1200		1200	ug/Kg	100				68	116	
4-Nitroaniline	1200		1100	ug/Kg	92				55	120	
4,6-Dinitro-2-methylphenol	1200		1200	ug/Kg	100				32	145	
N-Nitrosodiphenylamine	1200		1200	ug/Kg	100				73	118	
Azobenzene	1200		1100	ug/Kg	92				73	110	
4-Bromophenyl-phenylether	1200		1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200		1200	ug/Kg	100				67	118	
Atrazine	1200		1300	ug/Kg	108				79	127	
Pentachlorophenol	2400		2100	ug/Kg	88				47	128	
Phenanthrene	1200	280	1400	ug/Kg	93				72	113	
Anthracene	1200	100	1300	ug/Kg	100				62	124	
Carbazole	1200	64.1	1200	ug/Kg	95				59	119	
Di-n-butylphthalate	1200		1100	ug/Kg	92				69	118	
Fluoranthene	1200	230	1300	ug/Kg	89				59	125	
Benzydine	2400		1600	ug/Kg	67				10	119	
Pyrene	1200	240	1500	ug/Kg	105				52	128	
Butylbenzylphthalate	1200		1400	ug/Kg	117				64	126	
3,3-Dichlorobenzidine	1200		750	ug/Kg	63				10	164	
Benzo(a)anthracene	1200	83.4	1300	ug/Kg	101				71	114	
Chrysene	1200	69	1200	ug/Kg	94				57	121	
bis(2-Ethylhexyl)phthalate	1200		1200	ug/Kg	100				66	127	
Di-n-octyl phthalate	1200		1200	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92				67	121	
Benzo(k)fluoranthene	1200		1100	ug/Kg	92				74	114	
Benzo(a)pyrene	1200		1200	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1200		1500	ug/Kg	125				61	125	
Dibenz(a,h)anthracene	1200		1500	ug/Kg	125				67	130	
Benzo(g,h,i)perylene	1200		1400	ug/Kg	117				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100				69	124	
1,4-Dioxane	1200		1000	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1200		1200	ug/Kg	100				56	133	
1-Methylnaphthalene	1200		1100	ug/Kg	92				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2245-01MSD		Client Sample ID: YARD-3MSD		DataFile: BF137726.D							
n-Nitrosodimethylamine	1200		1100	ug/Kg	92		0		66	124	20
Pyridine	1200		970	ug/Kg	81		1		45	119	20
Benzaldehyde	1200		0	ug/Kg	0	*			26	163	20
Aniline	1200		690	ug/Kg	58		2		10	88	20
Phenol	1200		1200	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92		0		74	116	20
2-Chlorophenol	1200		1200	ug/Kg	100		0		61	138	20
1,2-Dichlorobenzene	1200		1200	ug/Kg	100		0		61	105	20
1,3-Dichlorobenzene	1200		1200	ug/Kg	100		0		62	101	20
1,4-Dichlorobenzene	1200		1200	ug/Kg	100		0		63	104	20
Benzyl Alcohol	1200		1100	ug/Kg	92		0		47	126	20
2-Methylphenol	1200		1100	ug/Kg	92		0		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92		0		52	115	20
Acetophenone	1200		1100	ug/Kg	92		0		75	111	20
3+4-Methylphenols	1200		1100	ug/Kg	92		0		53	132	20
N-Nitroso-di-n-propylamine	1200		1000	ug/Kg	83		0		59	119	20
Hexachloroethane	1200		1200	ug/Kg	100		0		65	117	20
Nitrobenzene	1200		1100	ug/Kg	92		0		70	119	20
Isophorone	1200		1100	ug/Kg	92		0		76	122	20
2-Nitrophenol	1200		1300	ug/Kg	108		0		54	145	20
2,4-Dimethylphenol	1200		940	ug/Kg	78	*	1		83	144	20
bis(2-Chloroethoxy)methane	1200		1100	ug/Kg	92		0		68	112	20
2,4-Dichlorophenol	1200		1200	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1200		1200	ug/Kg	100		0		57	103	20
Benzoic acid	1200		1200	ug/Kg	100		0		50	104	20
Naphthalene	1200		1100	ug/Kg	92		0		72	110	20
4-Chloroaniline	1200		410	ug/Kg	34		6		10	100	20
Hexachlorobutadiene	1200		1100	ug/Kg	92		0		66	114	20
Caprolactam	1200		1200	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1200		1200	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1200		1100	ug/Kg	92		0		59	123	20
Hexachlorocyclopentadiene	2400		2200	ug/Kg	92		0		10	175	20
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92		0		72	117	20
1,1-Biphenyl	1200		1200	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1200		1200	ug/Kg	100		0		67	118	20
2-Nitroaniline	1200		1200	ug/Kg	100		0		69	127	20
Dimethylphthalate	1200		1100	ug/Kg	92		0		70	113	20
Acenaphthylene	1200		1200	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1200		1200	ug/Kg	100		0		70	125	20
3-Nitroaniline	1200		740	ug/Kg	62		2		20	111	20
Acenaphthene	1200		1200	ug/Kg	100		0		70	121	20
Total PAH	19200	1002.4	20200	ug/Kg	105		2		70	121	20
2,4-Dinitrophenol	2400		2100	ug/Kg	88		6		16	160	20
4-Nitrophenol	2400		2400	ug/Kg	100		4		45	133	20
Dibenzofuran	1200		1200	ug/Kg	100		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1300	ug/Kg	108		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2500	ug/Kg	104		0		55	128	20
Diethylphthalate	1200		1100	ug/Kg	92		0		70	112	20
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92		0		71	108	20
Fluorene	1200		1200	ug/Kg	100		0		68	116	20
4-Nitroaniline	1200		1200	ug/Kg	100		8		55	120	20
4,6-Dinitro-2-methylphenol	1200		1300	ug/Kg	108		8		32	145	20
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92		8		73	118	20
Azobenzene	1200		1100	ug/Kg	92		0		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		8		65	121	20
Hexachlorobenzene	1200		1200	ug/Kg	100		0		67	118	20
Atrazine	1200		1300	ug/Kg	108		0		79	127	20
Pentachlorophenol	2400		2100	ug/Kg	88		0		47	128	20
Phenanthrene	1200	280	1400	ug/Kg	93		0		72	113	20
Anthracene	1200	100	1200	ug/Kg	92		8		62	124	20
Carbazole	1200	64.1	1200	ug/Kg	95		0		59	119	20
Di-n-butylphthalate	1200		1100	ug/Kg	92		0		69	118	20
Fluoranthene	1200	230	1300	ug/Kg	89		0		59	125	20
Benzydine	2400		1600	ug/Kg	67		0		10	119	20
Pyrene	1200	240	1500	ug/Kg	105		0		52	128	20
Butylbenzylphthalate	1200		1400	ug/Kg	117		0		64	126	20
3,3-Dichlorobenzidine	1200		790	ug/Kg	66		5		10	164	20
Benzo(a)anthracene	1200	83.4	1200	ug/Kg	93		8		71	114	20
Chrysene	1200	69	1200	ug/Kg	94		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1300	ug/Kg	108		8		66	127	20
Di-n-octyl phthalate	1200		1300	ug/Kg	108		8		71	126	20
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92		0		67	121	20
Benzo(k)fluoranthene	1200		1100	ug/Kg	92		0		74	114	20
Benzo(a)pyrene	1200		1200	ug/Kg	100		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1500	ug/Kg	125		0		61	125	20
Dibenz(a,h)anthracene	1200		1400	ug/Kg	117		7		67	130	20
Benzo(g,h,i)perylene	1200		1400	ug/Kg	117		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100		0		69	124	20
1,4-Dioxane	1200		1100	ug/Kg	92		10		46	112	20
2,3,4,6-Tetrachlorophenol	1200		1200	ug/Kg	100		0		56	133	20
1-Methylnaphthalene	1200		1100	ug/Kg	92		0		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF042424**

Client:

Analytical Method: **625.1**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2116-02	EFF-WW	BF137720.D	2-Fluorophenol	100	32.57	33	*	60	140
			Phenol-d6	100	12.58	13	*	60	140
			Nitrobenzene-d5	100	70.57	71		60	140
			2-Fluorobiphenyl	100	71.33	71		60	140
			2,4,6-Tribromophenol	100	78.27	78		60	140
			Terphenyl-d14	100	84.38	84		60	140
P2116-02RE	EFF-WWRE	BF137727.D	2-Fluorophenol	100	32.52	33	*	60	140
			Phenol-d6	100	12.73	13	*	60	140
			Nitrobenzene-d5	100	71.44	71		60	140
			2-Fluorobiphenyl	100	73.15	73		60	140
			2,4,6-Tribromophenol	100	76.44	76		60	140
			Terphenyl-d14	100	78.70	79		60	140
PB160276BL	PB160276BL	BF137714.D	2-Fluorophenol	100	84.23	84		60	140
			Phenol-d6	100	83.50	83		60	140
			Nitrobenzene-d5	100	84.61	85		60	140
			2-Fluorobiphenyl	100	83.82	84		60	140
			2,4,6-Tribromophenol	100	82.19	82		60	140
			Terphenyl-d14	100	75.60	76		60	140
PB160276BS	PB160276BS	BF137712.D	2-Fluorophenol	100	87.31	87		60	140
			Phenol-d6	100	87.18	87		60	140
			Nitrobenzene-d5	100	85.89	86		60	140
			2-Fluorobiphenyl	100	84.15	84		60	140
			2,4,6-Tribromophenol	100	95.92	96		60	140
			Terphenyl-d14	100	89.52	90		60	140
PB160276BSD	PB160276BSD	BF137713.D	2-Fluorophenol	100	87.01	87		60	140
			Phenol-d6	100	87.56	88		60	140
			Nitrobenzene-d5	100	85.72	86		60	140
			2-Fluorobiphenyl	100	83.75	84		60	140
			2,4,6-Tribromophenol	100	94.79	95		60	140
			Terphenyl-d14	100	87.05	87		60	140

Surrogate Summary

SW-846

SDG No.: **BF042424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2208-01	LNG-11	BF137722.D	2-Fluorophenol	150	107.06	71		10	139
			Phenol-d6	150	98.77	66		10	134
			Nitrobenzene-d5	100	77.39	77		49	133
			2-Fluorobiphenyl	100	76.49	76		52	132
			2,4,6-Tribromophenol	150	117.17	78		32	145
			Terphenyl-d14	100	92.71	93		36	145
PB160424BL	PB160424BL	BF137710.D	2-Fluorophenol	150	101.12	67		10	139
			Phenol-d6	150	97.94	65		10	134
			Nitrobenzene-d5	100	67.71	68		49	133
			2-Fluorobiphenyl	100	64.60	65		52	132
			2,4,6-Tribromophenol	150	103.09	69		32	145
			Terphenyl-d14	100	60.43	60		36	145
PB160424BS	PB160424BS	BF137711.D	2-Fluorophenol	150	122.24	81		10	139
			Phenol-d6	150	122.60	82		10	134
			Nitrobenzene-d5	100	84.03	84		49	133
			2-Fluorobiphenyl	100	78.82	79		52	132
			2,4,6-Tribromophenol	150	129.71	86		32	145
			Terphenyl-d14	100	85.84	86		36	145

Surrogate Summary

SW-846

SDG No.: **BF042424**

Client: _____

Analytical Method: **625.1**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2226-01	GROUND-WATER BF137721.D		2-Fluorophenol	100	43.83	44	*	60	140
			Phenol-d6	100	29.14	29	*	60	140
			Nitrobenzene-d5	100	83.52	84		60	140
			2-Fluorobiphenyl	100	79.82	80		60	140
			2,4,6-Tribromophenol	100	85.28	85		60	140
			Terphenyl-d14	100	86.25	86		60	140
P2226-01RE	GROUND-WATER BF137728.D		2-Fluorophenol	100	43.91	44	*	60	140
			Phenol-d6	100	28.91	29	*	60	140
			Nitrobenzene-d5	100	82.68	83		60	140
			2-Fluorobiphenyl	100	78.97	79		60	140
			2,4,6-Tribromophenol	100	82.93	83		60	140
			Terphenyl-d14	100	83.92	84		60	140
PB160462BL	PB160462BL	BF137717.D	2-Fluorophenol	100	83.25	83		60	140
			Phenol-d6	100	83.22	83		60	140
			Nitrobenzene-d5	100	81.82	82		60	140
			2-Fluorobiphenyl	100	84.29	84		60	140
			2,4,6-Tribromophenol	100	82.20	82		60	140
			Terphenyl-d14	100	78.61	79		60	140
PB160462BS	PB160462BS	BF137715.D	2-Fluorophenol	100	86.88	87		60	140
			Phenol-d6	100	87.21	87		60	140
			Nitrobenzene-d5	100	84.03	84		60	140
			2-Fluorobiphenyl	100	83.08	83		60	140
			2,4,6-Tribromophenol	100	93.67	94		60	140
			Terphenyl-d14	100	82.26	82		60	140
PB160462BSD	PB160462BSD	BF137716.D	2-Fluorophenol	100	87.68	88		60	140
			Phenol-d6	100	87.05	87		60	140
			Nitrobenzene-d5	100	84.85	85		60	140
			2-Fluorobiphenyl	100	86.58	87		60	140
			2,4,6-Tribromophenol	100	95.16	95		60	140
			Terphenyl-d14	100	84.27	84		60	140

Surrogate Summary

SW-846

SDG No.: **BF042424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2241-01	344	BF137723.D	2-Fluorophenol	150	49.41	33		18	112
			Phenol-d6	150	55.55	37		15	107
			Nitrobenzene-d5	100	41.27	41		18	107
			2-Fluorobiphenyl	100	44.59	45		20	109
			2,4,6-Tribromophenol	150	40.41	27		10	110
			Terphenyl-d14	100	55.46	55		14	112
P2245-01	YARD-3	BF137724.D	2-Fluorophenol	150	82.71	55		18	112
			Phenol-d6	150	82.93	55		15	107
			Nitrobenzene-d5	100	55.61	56		18	107
			2-Fluorobiphenyl	100	55.96	56		20	109
			2,4,6-Tribromophenol	150	84.76	57		10	110
			Terphenyl-d14	100	66.33	66		14	112
P2245-01MS	YARD-3MS	BF137725.D	2-Fluorophenol	150	84.88	57		18	112
			Phenol-d6	150	86.33	58		15	107
			Nitrobenzene-d5	100	58.49	58		18	107
			2-Fluorobiphenyl	100	57.28	57		20	109
			2,4,6-Tribromophenol	150	90.70	60		10	110
			Terphenyl-d14	100	65.10	65		14	112
P2245-01MSD	YARD-3MSD	BF137726.D	2-Fluorophenol	150	84.90	57		18	112
			Phenol-d6	150	87.38	58		15	107
			Nitrobenzene-d5	100	58.18	58		18	107
			2-Fluorobiphenyl	100	57.47	57		20	109
			2,4,6-Tribromophenol	150	92.66	62		10	110
			Terphenyl-d14	100	65.03	65		14	112
PB160476BL	PB160476BL	BF137718.D	2-Fluorophenol	150	120.32	80		18	112
			Phenol-d6	150	117.59	78		15	107
			Nitrobenzene-d5	100	82.63	83		18	107
			2-Fluorobiphenyl	100	79.99	80		20	109
			2,4,6-Tribromophenol	150	122.57	82		10	110
			Terphenyl-d14	100	81.64	82		14	112
PB160476BS	PB160476BS	BF137719.D	2-Fluorophenol	150	121.99	81		18	112
			Phenol-d6	150	120.88	81		15	107
			Nitrobenzene-d5	100	83.53	84		18	107
			2-Fluorobiphenyl	100	81.03	81		20	109
			2,4,6-Tribromophenol	150	130.93	87		10	110
			Terphenyl-d14	100	85.22	85		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF042424

Lab Code: CHEM

SAS No.: BF042424 SDG NO.: BF042424

Lab File ID: BF137708.D

DFTPP Injection Date: 04/24/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.7
197	Less than 2.0% of mass 198	0.1
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	26.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	71
443	15.0 - 24.0% of mass 442	14.2 (19.9) 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	BF137709.D	04/24/2024	09:56
PB160424BL	PB160424BL	BF137710.D	04/24/2024	10:32
PB160424BS	PB160424BS	BF137711.D	04/24/2024	11:04
PB160276BS	PB160276BS	BF137712.D	04/24/2024	11:35
PB160276BSD	PB160276BSD	BF137713.D	04/24/2024	12:07
PB160276BL	PB160276BL	BF137714.D	04/24/2024	12:39
PB160462BS	PB160462BS	BF137715.D	04/24/2024	13:11
PB160462BSD	PB160462BSD	BF137716.D	04/24/2024	13:44
PB160462BL	PB160462BL	BF137717.D	04/24/2024	14:17
PB160476BL	PB160476BL	BF137718.D	04/24/2024	14:50
PB160476BS	PB160476BS	BF137719.D	04/24/2024	15:24
EFF-WW	P2116-02	BF137720.D	04/24/2024	16:07
GROUND-WATER	P2226-01	BF137721.D	04/24/2024	16:39
LNG-11	P2208-01	BF137722.D	04/24/2024	17:12
344	P2241-01	BF137723.D	04/24/2024	17:45
YARD-3	P2245-01	BF137724.D	04/24/2024	18:18
YARD-3MS	P2245-01MS	BF137725.D	04/24/2024	18:51
YARD-3MSD	P2245-01MSD	BF137726.D	04/24/2024	19:24

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF042424

Lab Code: CHEM

SAS No.: BF042424

SDG NO.: BF042424

Lab File ID: BF137708.D

DFTPP Injection Date: 04/24/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.7
197	Less than 2.0% of mass 198	0.1
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	26.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	71
443	15.0 - 24.0% of mass 442	14.2 (19.9) 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
EFF-WWRE	P2116-02RE	BF137727.D	04/24/2024	19:57
GROUND-WATERRE	P2226-01RE	BF137728.D	04/24/2024	20:30