

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF050324 SAS No.: BF050324 SDG No.: BF050324

Instrument ID: BNA_F Calibration Date/Time: 5/3/2024 12:12:45

Lab File ID: BF137827.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	0.586	0.579		-1.195	
Pyridine	1.302	1.232		-5.376	
2-Fluorophenol	1.195	1.614		35.063	
Benzaldehyde	0.816	0.804		-1.471	
Aniline	1.502	1.360		-9.454	
Phenol-d6	1.515	1.967		29.835	
Phenol	1.553	1.432		-7.791	20.0
bis(2-Chloroethyl) ether	1.216	1.116		-8.224	
2-Chlorophenol	1.302	1.263		-2.995	
1,2-Dichlorobenzene	1.387	1.388		0.072	
1,3-Dichlorobenzene	1.468	1.458		-0.681	
1,4-Dichlorobenzene	1.473	1.489		1.086	20.0
Benzyl Alcohol	1.048	1.023		-2.385	
2-Methylphenol	1.050	1.001		-4.667	
2,2-oxybis(1-Chloropropane)	1.709	1.437		-15.916	
Acetophenone	0.450	0.444		-1.333	
3+4-Methylphenols	1.382	1.337		-3.256	
n-Nitroso-di-n-propylamine	0.905	0.800	0.050	-11.602	
Nitrobenzene-d5	0.344	0.340		-1.163	
Hexachloroethane	0.498	0.509		2.209	
Nitrobenzene	0.355	0.346		-2.535	
Isophorone	0.621	0.574		-7.568	
2-Nitrophenol	0.161	0.169		4.969	20.0
2,4-Dimethylphenol	0.231	0.221		-4.329	
bis(2-Chloroethoxy) methane	0.376	0.356		-5.319	
2,4-Dichlorophenol	0.280	0.275		-1.786	20.0
1,2,4-Trichlorobenzene	0.305	0.308		0.984	
Benzoic acid	0.200	0.188		-6.0	
Naphthalene	0.994	0.983		-1.107	
4-Chloroaniline	0.369	0.326		-11.653	
Hexachlorobutadiene	0.187	0.201		7.487	20.0
Caprolactam	0.089	0.113		26.966	
4-Chloro-3-methylphenol	0.292	0.407		39.384	20.0
2-Methylnaphthalene	0.643	0.968		50.544	
Hexachlorocyclopentadiene	0.215	0.224	0.050	4.186	
2,4,6-Trichlorophenol	0.361	0.332		-8.033	20.0
2-Fluorobiphenyl	1.233	1.263		2.433	
2,4,5-Trichlorophenol	0.398	0.396		-0.503	
1,1-Biphenyl	1.373	1.419		3.35	

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Instrument ID: BNA_F Calibration Date/Time: 5/3/2024 12:12:45

Lab File ID: BF137827.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	1.108	1.135		2.437	
2-Nitroaniline	0.301	0.294		-2.326	
Dimethylphthalate	1.263	1.182		-6.413	
Acenaphthylene	1.603	1.575		-1.747	
2,6-Dinitrotoluene	0.289	0.276		-4.498	
3-Nitroaniline	0.302	0.265		-12.252	
Acenaphthene	1.063	1.034		-2.728	20.0
2,4-Dinitrophenol	0.142	0.121	0.050	-14.789	
4-Nitrophenol	0.250	0.204	0.050	-18.4	
Dibenzofuran	1.546	1.471		-4.851	
2,4-Dinitrotoluene	0.377	0.338		-10.345	
Diethylphthalate	1.199	1.013		-15.513	
4-Chlorophenyl-phenylether	0.606	0.538		-11.221	
Fluorene	1.231	1.049		-14.785	
4-Nitroaniline	0.306	0.224		-26.797	
4,6-Dinitro-2-methylphenol	0.115	0.179		55.652	
n-Nitrosodiphenylamine	0.599	0.949		58.431	20.0
Azobenzene	1.159	0.998		-13.891	
2,4,6-Tribromophenol	0.204	0.232		13.725	
4-Bromophenyl-phenylether	0.214	0.223		4.206	
Hexachlorobenzene	0.234	0.239		2.137	
Atrazine	0.183	0.158		-13.661	
Pentachlorophenol	0.161	0.154		-4.348	20.0
Phenanthrene	0.975	0.962		-1.333	
Anthracene	0.970	0.967		-0.309	
Carbazole	0.935	0.848		-9.305	
Di-n-butylphthalate	1.020	1.028		0.784	
Fluoranthene	1.066	0.960		-9.944	20.0
Benzidine	0.463	0.282		-39.093	
Pyrene	1.586	1.570		-1.009	
Terphenyl-d14	1.193	1.222		2.431	
Butylbenzylphthalate	0.503	0.556		10.537	
3,3-Dichlorobenzidine	0.383	0.420		9.661	
Benzo(a)anthracene	1.279	1.250		-2.267	
Chrysene	1.198	1.198		0.0	
Bis(2-ethylhexyl)phthalate	0.634	0.804		26.814	
Di-n-octyl phthalate	0.853	1.336		56.624	20.0
Benzo(b)fluoranthene	1.244	1.107		-11.013	
Benzo(k)fluoranthene	1.203	1.065		-11.471	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF050324 SAS No.: BF050324 SDG No.: BF050324
 Instrument ID: BNA_F Calibration Date/Time: 5/3/2024 12:12:45
 Lab File ID: BF137827.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	1.015	0.991		-2.365	20.0
Indeno(1,2,3-cd)pyrene	1.137	1.389		22.164	
Dibenzo(a,h)anthracene	0.926	1.148		23.974	
Benzo(g,h,i)perylene	0.970	1.169		20.515	
1,2,4,5-Tetrachlorobenzene	0.530	0.526		-0.755	
1,4-Dioxane	0.538	0.615		14.312	20.0
2,3,4,6-Tetrachlorophenol	0.323	0.280		-13.313	
1-Methylnaphthalene	0.633	0.885		39.81	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BL	SDG No.:	BF050324
Lab Sample ID:	PB160706BL	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
BF137828.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BL	SDG No.:	BF050324
Lab Sample ID:	PB160706BL	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
BF137828.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BL	SDG No.:	BF050324
Lab Sample ID:	PB160706BL	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
BF137828.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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	114.596		10-139		76	SPK: -150
13127-88-3	Phenol-d6	110.053		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	76.476		49-133		76	SPK: -100
321-60-8	2-Fluorobiphenyl	80.752		52-132		81	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BL	SDG No.:	BF050324
Lab Sample ID:	PB160706BL	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
BF137828.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	121.33		32-145		81	SPK: -150
1718-51-0	Terphenyl-d14	87.215		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150745	7.051				
1146-65-2	Naphthalene-d8	591240	8.333				
15067-26-2	Acenaphthene-d10	338051	10.098				
1517-22-2	Phenanthrene-d10	590070	11.592				
1719-03-5	Chrysene-d12	370605	14.239				
1520-96-3	Perylene-d12	319617	15.809				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown2.122	16.5	J			2.122	
000994-05-8	Butane, 2-methoxy-2-methyl-	2.8	J			2.493	

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BS	SDG No.:	BF050324
Lab Sample ID:	PB160706BS	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
BF137829.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	36.5		1	8	10	ug/L
110-86-1	Pyridine	32.1		1.6	4	5	ug/L
100-52-7	Benzaldehyde	28.7		4	8	10	ug/L
62-53-3	Aniline	31.4		1.6	4	5	ug/L
108-95-2	Phenol	38.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.3		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	40.9		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	40.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	39.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	41.9		1.6	8	10	ug/L
95-48-7	2-Methylphenol	40.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.8		1.4	4	5	ug/L
98-86-2	Acetophenone	41.4		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	39		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38.7		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	40.8		1	4	5	ug/L
98-95-3	Nitrobenzene	38.3		1.3	4	5	ug/L
78-59-1	Isophorone	40.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	45.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	43.6		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.5		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.7		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	40.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	41.7		5.5	8	10	ug/L
91-20-3	Naphthalene	40.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	17.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	40.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BS	SDG No.:	BF050324
Lab Sample ID:	PB160706BS	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
BF137829.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	40.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	41.4		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.3		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	43		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	40.9		1	4	5	ug/L
92-52-4	1,1-Biphenyl	42.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	40.6		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	41.5		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.6		0.93	4	5	ug/L
208-96-8	Acenaphthylene	44.6		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	41.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	24		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.9		0.81	4	5	ug/L
Total PAH	Total PAH	738.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	87.4	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	74.3		2	8	10	ug/L
132-64-9	Dibenzofuran	41.6		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	83.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	42.3		1.5	4	5	ug/L
84-66-2	Diethylphthalate	42.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.5		0.98	4	5	ug/L
86-73-7	Fluorene	43		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	48.8		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.9		0.89	4	5	ug/L
103-33-3	Azobenzene	56.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	46.5		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	43.7		1.1	4	5	ug/L
1912-24-9	Atrazine	49.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BS	SDG No.:	BF050324
Lab Sample ID:	PB160706BS	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
BF137829.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	76.4		1.9	8	10	ug/L
85-01-8	Phenanthrene	43.5		0.89	4	5	ug/L
120-12-7	Anthracene	43.5		1.1	4	5	ug/L
86-74-8	Carbazole	39.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	42.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	38.2		1.3	4	5	ug/L
92-87-5	Benzidine	67.5		4.1	8	10	ug/L
129-00-0	Pyrene	67.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	71.7		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.3		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	56.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	64.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	40		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	39.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	54.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	49.8		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.3		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	30.6		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.2		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	38.6		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	154.411		10-139		103	SPK: -150
13127-88-3	Phenol-d6	108.086		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	77.903		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	83.408		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160706BS	SDG No.:	BF050324
Lab Sample ID:	PB160706BS	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
BF137829.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	168.921		32-145		113	SPK: -150
1718-51-0	Terphenyl-d14	125.636		36-145		126	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149761	7.051				
1146-65-2	Naphthalene-d8	582210	8.339				
15067-26-2	Acenaphthene-d10	321580	10.098				
1517-22-2	Phenanthrene-d10	721812	11.592				
1719-03-5	Chrysene-d12	286595	14.245				
1520-96-3	Perylene-d12	292898	15.81				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160673TB	SDG No.:	BF050324
Lab Sample ID:	PB160673TB	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
BF137830.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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	16	U	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	11.5	U	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:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160673TB	SDG No.:	BF050324
Lab Sample ID:	PB160673TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137830.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	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:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160673TB	SDG No.:	BF050324
Lab Sample ID:	PB160673TB	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
BF137830.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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	129.917		10-139		87	SPK: -150
13127-88-3	Phenol-d6	124.308		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	87.819		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	90.676		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160673TB	SDG No.:	BF050324
Lab Sample ID:	PB160673TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137830.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.226		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	99.031		36-145		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143024	7.051				
1146-65-2	Naphthalene-d8	565152	8.334				
15067-26-2	Acenaphthene-d10	322240	10.092				
1517-22-2	Phenanthrene-d10	560488	11.592				
1719-03-5	Chrysene-d12	343367	14.239				
1520-96-3	Perylene-d12	308778	15.81				

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	V359			SDG No.:	BF050324		
Lab Sample ID:	P2354-02			Matrix:	water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137831.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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	16	U	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	11.5	U	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:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359	SDG No.:	BF050324
Lab Sample ID:	P2354-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137831.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359	SDG No.:	BF050324
Lab Sample ID:	P2354-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137831.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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	113.733		10-139		76	SPK: -150
13127-88-3	Phenol-d6	100.254		10-134		67	SPK: -150
4165-60-0	Nitrobenzene-d5	85.57		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	85.558		52-132		86	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359	SDG No.:	BF050324
Lab Sample ID:	P2354-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137831.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.604		32-145		87	SPK: -150
1718-51-0	Terphenyl-d14	102.565		36-145		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	145199	7.051				
1146-65-2	Naphthalene-d8	573104	8.333				
15067-26-2	Acenaphthene-d10	331212	10.098				
1517-22-2	Phenanthrene-d10	510812	11.592				
1719-03-5	Chrysene-d12	258139	14.239				
1520-96-3	Perylene-d12	259687	15.809				

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BF050324
Lab Sample ID:	P2354-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137832.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	380		10.3	80	100	ug/L
110-86-1	Pyridine	250		15.5	40	50	ug/L
100-52-7	Benzaldehyde	240		40	80	100	ug/L
62-53-3	Aniline	180		16	40	50	ug/L
108-95-2	Phenol	390		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	430		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	450		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	420		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	390		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	400		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	490		16	80	100	ug/L
95-48-7	2-Methylphenol	460		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	390		13.5	40	50	ug/L
98-86-2	Acetophenone	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	440		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	450		14.8	25	25	ug/L
67-72-1	Hexachloroethane	420		10.1	40	50	ug/L
98-95-3	Nitrobenzene	410		12.7	40	50	ug/L
78-59-1	Isophorone	450		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	480		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	480		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	450		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	460		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	430		11	40	50	ug/L
65-85-0	Benzoic acid	450		54.7	80	100	ug/L
91-20-3	Naphthalene	420		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	65.6		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BF050324
Lab Sample ID:	P2354-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137832.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	390		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	460		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	450		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1300	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	450		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	460		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	440		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	440		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	480		9.3	40	50	ug/L
208-96-8	Acenaphthylene	480		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	460		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	200		13.7	40	50	ug/L
83-32-9	Acenaphthene	480		8.1	40	50	ug/L
Total PAH	Total PAH	7140		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	920	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	590		20	80	100	ug/L
132-64-9	Dibenzofuran	440		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	450		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	910		27.6	40	100	ug/L
84-66-2	Diethylphthalate	480		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	450		9.8	40	50	ug/L
86-73-7	Fluorene	430		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	330		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	520		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	500		8.9	40	50	ug/L
103-33-3	Azobenzene	440		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	510		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	480		11.4	40	50	ug/L
1912-24-9	Atrazine	540		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BF050324
Lab Sample ID:	P2354-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137832.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	820	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	460		8.9	40	50	ug/L
120-12-7	Anthracene	460		10.7	40	50	ug/L
86-74-8	Carbazole	390		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	510		14.7	40	50	ug/L
206-44-0	Fluoranthene	360		12.9	40	50	ug/L
92-87-5	Benzidine	94.7	J	40.7	80	100	ug/L
129-00-0	Pyrene	510		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	660		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	290		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	470		9.4	40	50	ug/L
218-01-9	Chrysene	480		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	740		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	840	E	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	460		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	440		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	490		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	420		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	420		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	360		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	450		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	320		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	450		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	420		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.294		10-139		77	SPK: -150
13127-88-3	Phenol-d6	109.427		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	83.737		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	88.868		52-132		89	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MS	SDG No.:	BF050324
Lab Sample ID:	P2354-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137832.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	128.666		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	108.681		36-145		109	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	174837	7.051				
1146-65-2	Naphthalene-d8	725489	8.34				
15067-26-2	Acenaphthene-d10	410003	10.098				
1517-22-2	Phenanthrene-d10	631301	11.592				
1719-03-5	Chrysene-d12	286230	14.245				
1520-96-3	Perylene-d12	305123	15.81				

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MSD	SDG No.:	BF050324
Lab Sample ID:	P2354-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137833.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	380		10.3	80	100	ug/L
110-86-1	Pyridine	270		15.5	40	50	ug/L
100-52-7	Benzaldehyde	230		40	80	100	ug/L
62-53-3	Aniline	180		16	40	50	ug/L
108-95-2	Phenol	380		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	410		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	440		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	400		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	390		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	390		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	460		16	80	100	ug/L
95-48-7	2-Methylphenol	440		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	380		13.5	40	50	ug/L
98-86-2	Acetophenone	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	420		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	430		14.8	25	25	ug/L
67-72-1	Hexachloroethane	410		10.1	40	50	ug/L
98-95-3	Nitrobenzene	410		12.7	40	50	ug/L
78-59-1	Isophorone	450		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	480		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	470		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	430		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	460		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	420		11	40	50	ug/L
65-85-0	Benzoic acid	440		54.7	80	100	ug/L
91-20-3	Naphthalene	430		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	69.9		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MSD	SDG No.:	BF050324
Lab Sample ID:	P2354-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137833.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	400		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	460		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	440		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1200	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	460		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	460		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	440		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	440		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	480		9.3	40	50	ug/L
208-96-8	Acenaphthylene	480		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	460		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	200		13.7	40	50	ug/L
83-32-9	Acenaphthene	480		8.1	40	50	ug/L
Total PAH	Total PAH	7160		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	950	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	610		20	80	100	ug/L
132-64-9	Dibenzofuran	440		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	450		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	910		27.6	40	100	ug/L
84-66-2	Diethylphthalate	470		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	450		9.8	40	50	ug/L
86-73-7	Fluorene	440		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	330		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	510		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	500		8.9	40	50	ug/L
103-33-3	Azobenzene	430		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	500		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	480		11.4	40	50	ug/L
1912-24-9	Atrazine	540		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MSD	SDG No.:	BF050324
Lab Sample ID:	P2354-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137833.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	820	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	460		8.9	40	50	ug/L
120-12-7	Anthracene	470		10.7	40	50	ug/L
86-74-8	Carbazole	390		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	500		14.7	40	50	ug/L
206-44-0	Fluoranthene	360		12.9	40	50	ug/L
92-87-5	Benzidine	130		40.7	80	100	ug/L
129-00-0	Pyrene	490		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	610		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	320		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	470		9.4	40	50	ug/L
218-01-9	Chrysene	480		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	680		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	800		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	430		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	450		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	490		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	430		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	430		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	370		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	450		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	330		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	450		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	420		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	114.061		10-139		76	SPK: -150
13127-88-3	Phenol-d6	106.892		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	83.982		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	87.431		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	V359MSD	SDG No.:	BF050324
Lab Sample ID:	P2354-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137833.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	128.333		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	100.188		36-145		100	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155290	7.051				
1146-65-2	Naphthalene-d8	624689	8.339				
15067-26-2	Acenaphthene-d10	353467	10.098				
1517-22-2	Phenanthrene-d10	554601	11.592				
1719-03-5	Chrysene-d12	266803	14.245				
1520-96-3	Perylene-d12	299754	15.809				

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BF050324
Lab Sample ID:	P2355-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137834.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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	16	U	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	11.5	U	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:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BF050324
Lab Sample ID:	P2355-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137834.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	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:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BF050324
Lab Sample ID:	P2355-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137834.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

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	126.137		10-139		84	SPK: -150
13127-88-3	Phenol-d6	112.953		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	89.796		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	95.568		52-132		96	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	VB16173	SDG No.:	BF050324
Lab Sample ID:	P2355-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137834.D	1	5/3/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.144		32-145		98	SPK: -150
1718-51-0	Terphenyl-d14	120.986		36-145		121	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161100	7.051				
1146-65-2	Naphthalene-d8	658410	8.334				
15067-26-2	Acenaphthene-d10	364250	10.092				
1517-22-2	Phenanthrene-d10	594343	11.592				
1719-03-5	Chrysene-d12	261005	14.239				
1520-96-3	Perylene-d12	133896	15.804				

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	RB21155-CONCRETE	SDG No.:	BF050324
Lab Sample ID:	P2337-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF137835.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.1	U	52.1	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	48.4	U	48.4	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	54.5	U	54.5	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	51.5	U	51.5	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	49.6	U	49.6	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.6	U	49.6	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg



Client:			Date Collected:	5/1/2024 12:00:00 AM	
Project:			Date Received:	5/1/2024 12:00:00 AM	
Client Sample ID:	RB21155-CONCRETE		SDG No.:	BF050324	
Lab Sample ID:	P2337-05		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	0	
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
BF137835.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52.1	U	52.1	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	93.6	U	93.6	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	48.7	U	48.7	78	100	ug/Kg
Total PAH	Total PAH	795.2	U	795.2	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	48.1	U	48.1	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	49	U	49	78	100	ug/Kg
103-33-3	Azobenzene	47.8	U	47.8	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:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	RB21155-CONCRETE	SDG No.:	BF050324
Lab Sample ID:	P2337-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF137835.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

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	50.6	U	50.6	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	100	ug/Kg
92-87-5	Benzidine	97.8	U	97.8	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58.1	U	58.1	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	48.7	U	48.7	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.6	U	49.6	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	46.9	U	46.9	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	48.1	U	48.1	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52.1	U	52.1	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	81.334		18-112		54	SPK: -150
13127-88-3	Phenol-d6	86.494		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	61.498		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	66.761		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	RB21155-CONCRETE	SDG No.:	BF050324
Lab Sample ID:	P2337-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF137835.D	1	5/2/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	73.806		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	79.568		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	163925	7.051				
1146-65-2	Naphthalene-d8	663040	8.334				
15067-26-2	Acenaphthene-d10	381935	10.092				
1517-22-2	Phenanthrene-d10	569525	11.586				
1719-03-5	Chrysene-d12	268885	14.239				
1520-96-3	Perylene-d12	242729	15.804				



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

Hit Summary Sheet
SW-846

SDG No.: BF050324

Client:

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

Total Concentration:



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF043024 SAS No.: BF043024 SDG No.: BF043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 11:08 _____

LAB FILE ID:		RRF2.5 = BF137764.D		RRF005 = BF137765.D		RRF010 = BF137766.D		
		RRF020 = BF137767.D		RRF040 = BF137768.D		RRF050 = BF137769.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.625	0.575	0.613	0.577	0.571	0.586	3.9
Pyridine		1.333	1.304	1.418	1.292	1.252	1.302	4.6
2-Fluorophenol		1.313	1.258	1.295	1.164	1.130	1.195	7.7
Benzaldehyde			0.981	0.968	0.780	0.674	0.816	18.5
Aniline		1.617	1.507	1.592	1.500	1.465	1.502	5.4
Phenol-d6		1.671	1.603	1.633	1.478	1.432	1.515	7.8
Phenol		1.700	1.599	1.669	1.515	1.479	1.553	6.7
bis(2-Chloroethyl)ether		1.312	1.255	1.274	1.190	1.163	1.216	5.2
2-Chlorophenol		1.416	1.354	1.402	1.273	1.240	1.302	6.8
1,2-Dichlorobenzene		1.577	1.477	1.488	1.358	1.292	1.387	9.2
1,3-Dichlorobenzene		1.602	1.547	1.577	1.432	1.397	1.468	7.1
1,4-Dichlorobenzene		1.628	1.523	1.577	1.443	1.400	1.473	7.1
Benzyl Alcohol		1.061	1.044	1.118	1.062	1.017	1.048	3.6
2-Methylphenol		1.115	1.065	1.102	1.036	1.015	1.050	4.2
2,2-oxybis(1-Chloropropane)		1.872	1.744	1.804	1.690	1.620	1.709	6.0
Acetophenone		0.498	0.473	0.481	0.445	0.421	0.450	7.7
3+4-Methylphenols		1.497	1.434	1.499	1.376	1.321	1.382	7.2
n-Nitroso-di-n-propylamine	0.970	0.987	0.934	0.967	0.884	0.845	0.905	7.4
Nitrobenzene-d5		0.357	0.350	0.363	0.345	0.332	0.344	3.9
Hexachloroethane		0.509	0.504	0.531	0.497	0.485	0.498	3.8
Nitrobenzene		0.374	0.359	0.372	0.355	0.341	0.355	4.2
Isophorone		0.659	0.632	0.645	0.608	0.589	0.621	4.1
2-Nitrophenol		0.135	0.142	0.165	0.170	0.167	0.161	9.7
2,4-Dimethylphenol		0.243	0.232	0.245	0.229	0.221	0.231	4.1
bis(2-Chloroethoxy)methane		0.408	0.389	0.396	0.372	0.353	0.376	5.9
2,4-Dichlorophenol		0.287	0.279	0.294	0.280	0.272	0.280	3.1
1,2,4-Trichlorobenzene		0.327	0.316	0.319	0.302	0.288	0.305	5.2
Benzoic acid			0.150	0.186	0.204	0.206	0.200	14.2
Naphthalene		1.115	1.061	1.065	0.979	0.922	0.994	8.7
4-Chloroaniline		0.395	0.378	0.383	0.366	0.354	0.369	4.8
Hexachlorobutadiene		0.199	0.194	0.196	0.185	0.176	0.187	5.0
Caprolactam		0.089	0.087	0.089	0.089	0.088	0.089	1.6
4-Chloro-3-methylphenol		0.306	0.296	0.302	0.292	0.279	0.292	3.5
2-Methylnaphthalene		0.718	0.686	0.686	0.634	0.600	0.643	8.4
Hexachlorocyclopentadiene		0.185	0.194	0.222	0.224	0.219	0.215	8.5
2,4,6-Trichlorophenol		0.361	0.353	0.379	0.363	0.352	0.361	2.5

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.: BF043024

SAS No.: BF043024

SDG No.: BF043024

Instrument ID: _____

Calibration Date(s): 4/30/2024 : _____

Calibration Time(s): 11:08 _____

LAB FILE ID:		RRF2.5 = BF137764.D			RRF005 = BF137765.D		RRF010 = BF137766.D	
		RRF020 = BF137767.D			RRF040 = BF137768.D		RRF050 = BF137769.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.471	1.368	1.353	1.187	1.106	1.233	13.4
2,4,5-Trichlorophenol		0.399	0.390	0.414	0.403	0.394	0.398	2.2
1,1-Biphenyl		1.523	1.438	1.480	1.345	1.281	1.373	8.0
2-Chloronaphthalene		1.201	1.148	1.196	1.084	1.045	1.108	6.7
2-Nitroaniline		0.270	0.285	0.310	0.308	0.308	0.301	5.4
Dimethylphthalate		1.364	1.321	1.292	1.242	1.199	1.263	5.1
Acenaphthylene		1.772	1.648	1.711	1.576	1.522	1.603	7.0
2,6-Dinitrotoluene		0.274	0.281	0.299	0.292	0.289	0.289	2.9
3-Nitroaniline		0.290	0.291	0.313	0.307	0.300	0.302	2.9
Acenaphthene		1.145	1.099	1.135	1.046	1.005	1.063	6.0
2,4-Dinitrophenol			0.095	0.125	0.146	0.157	0.142	19.3
4-Nitrophenol		0.233	0.236	0.258	0.256	0.260	0.250	4.6
Dibenzofuran		1.728	1.649	1.645	1.515	1.441	1.546	8.3
2,4-Dinitrotoluene		0.341	0.359	0.384	0.385	0.389	0.377	5.2
Diethylphthalate		1.318	1.255	1.237	1.173	1.138	1.199	6.1
4-Chlorophenyl-phenylether		0.671	0.643	0.638	0.591	0.572	0.606	7.3
Fluorene		1.388	1.317	1.316	1.203	1.148	1.231	9.0
4-Nitroaniline		0.305	0.297	0.308	0.312	0.313	0.306	1.8
4,6-Dinitro-2-methylphenol			0.085	0.108	0.119	0.120	0.115	14.1
n-Nitrosodiphenylamine		0.662	0.610	0.644	0.589	0.560	0.599	7.0
Azobenzene		1.276	1.221	1.199	1.138	1.102	1.159	6.5
2,4,6-Tribromophenol		0.208	0.207	0.210	0.201	0.201	0.204	2.0
4-Bromophenyl-phenylether		0.228	0.212	0.228	0.213	0.202	0.214	4.9
Hexachlorobenzene		0.253	0.235	0.244	0.231	0.223	0.234	4.9
Atrazine		0.205	0.188	0.188	0.180	0.173	0.183	6.9
Pentachlorophenol		0.145	0.150	0.171	0.165	0.163	0.161	5.7
Phenanthrene		1.105	1.029	1.045	0.949	0.913	0.975	8.8
Anthracene		1.083	1.018	1.044	0.952	0.912	0.970	8.2
Carbazole		1.063	0.979	0.997	0.911	0.879	0.935	8.6
Di-n-butylphthalate		1.116	1.061	1.057	1.002	0.977	1.020	6.0
Fluoranthene		1.226	1.119	1.129	1.037	1.011	1.066	9.0
Benzidine		0.481	0.362	0.431	0.534	0.515	0.463	12.5
Pyrene		1.506	1.608	1.691	1.572	1.484	1.586	4.9
Terphenyl-d14		1.244	1.281	1.302	1.153	1.070	1.193	7.5
Butylbenzylphthalate		0.427	0.440	0.493	0.518	0.527	0.503	10.6
3,3-Dichlorobenzidine		0.441	0.399	0.412	0.369	0.376	0.383	9.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF043024 SAS No.: BF043024 SDG No.: BF043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 11:08 _____

LAB FILE ID:		RRF2.5 = BF137764.D			RRF005 = BF137765.D		RRF010 = BF137766.D	
		RRF020 = BF137767.D			RRF040 = BF137768.D		RRF050 = BF137769.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.361	1.290	1.319	1.249	1.237	1.279	3.7
Chrysene		1.285	1.221	1.248	1.154	1.150	1.198	4.5
Bis(2-ethylhexyl)phthalate		0.636	0.563	0.584	0.627	0.671	0.634	7.3
Di-n-octyl phthalate		0.884	0.714	0.763	0.834	0.916	0.853	10.1
Benzo(b)fluoranthene		1.236	1.230	1.344	1.219	1.239	1.244	3.6
Benzo(k)fluoranthene		1.242	1.249	1.236	1.217	1.194	1.203	3.9
Benzo(a)pyrene		1.043	0.994	1.048	1.000	0.987	1.015	2.3
Indeno(1,2,3-cd)pyrene		0.975	0.939	1.088	1.130	1.090	1.137	15.3
Dibenzo(a,h)anthracene		0.789	0.784	0.899	0.920	0.886	0.926	14.3
Benzo(g,h,i)perylene		0.766	0.779	0.918	0.984	0.935	0.970	18.6
1,2,4,5-Tetrachlorobenzene		0.562	0.546	0.561	0.521	0.502	0.530	5.0
1,4-Dioxane		0.568	0.529	0.572	0.529	0.521	0.538	4.2
2,3,4,6-Tetrachlorophenol		0.336	0.314	0.334	0.325	0.318	0.323	2.7
1-Methylnaphthalene		0.714	0.675	0.675	0.623	0.591	0.633	8.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF050324 SAS No.: BF050324 SDG NO.: BF050324

EPA Sample No.: SSTDICCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BF137768.D Time Analyzed: 14:34

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	243153	7.057	956131	8.35	540805	10.11
UPPER LIMIT	486306	7.557	1912262	8.845	1081610	10.61
LOWER LIMIT	121576.5	6.557	478065.5	7.845	270402.5	9.61
EPA SAMPLE NO.						
01 PB160706BL	150745	7.05	591240	8.33	338051	10.10
02 PB160706BS	149761	7.05	582210	8.34	321580	10.10
03 PB160673TB	143024	7.05	565152	8.33	322240	10.09
04 V359	145199	7.05	573104	8.33	331212	10.10
05 V359MS	174837	7.05	725489	8.34	410003	10.10
06 V359MSD	155290	7.05	624689	8.34	353467	10.10
07 VB16173	161100	7.05	658410	8.33	364250	10.09
08 RB21155-CONCRETE	163925	7.05	663040	8.33	381935	10.09

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF050324 SAS No.: BF050324 SDG NO.: BF050324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BF137827.D Time Analyzed: 14:34

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	133023	7.051	506516	8.34	430153	10.10
UPPER LIMIT	266046	7.551	1013032	8.839	860306	10.598
LOWER LIMIT	66511.5	6.551	253258	7.839	215076.5	9.598
EPA SAMPLE NO.						
01 PB160706BL	150745	7.05	591240	8.33	338051	10.10
02 PB160706BS	149761	7.05	582210	8.34	321580	10.10
03 PB160673TB	143024	7.05	565152	8.33	322240	10.09
04 V359	145199	7.05	573104	8.33	331212	10.10
05 V359MS	174837	7.05	725489	8.34	410003	10.10
06 V359MSD	155290	7.05	624689	8.34	353467	10.10
07 VB16173	161100	7.05	658410	8.33	364250	10.09
08 RB21155-CONCRETE	163925	7.05	663040	8.33	381935	10.09

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.: BF050324 SAS No.: BF050324 SDG NO.: BF050324

EPA Sample No.: SSTDICCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BF137768.D Time Analyzed: 14:34

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	945981	11.598	642193	14.251	470898	15.821
UPPER LIMIT	1891962	12.098	1284386	14.751	941796	16.321
LOWER LIMIT	472990.5	11.098	321096.5	13.751	235449	15.321
EPA SAMPLE NO.						
01 PB160706BL	590070	11.59	370605	14.24	319617	15.81
02 PB160706BS	721812	11.59	286595 *	14.25	292898	15.81
03 PB160673TB	560488	11.59	343367	14.24	308778	15.81
04 V359	510812	11.59	258139 *	14.24	259687	15.81
05 V359MS	631301	11.59	286230 *	14.25	305123	15.81
06 V359MSD	554601	11.59	266803 *	14.25	299754	15.81
07 VB16173	594343	11.59	261005 *	14.24	133896 *	15.80
08 RB21155-CONCRETE	569525	11.59	268885 *	14.24	242729	15.80

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.: BF050324 SAS No.: BF050324 SDG NO.: BF050324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BF137827.D Time Analyzed: 14:34

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	405072	11.592	250978	14.239	283658	15.809
UPPER LIMIT	810144	12.092	501956	14.739	567316	16.309
LOWER LIMIT	202536	11.092	125489	13.739	141829	15.309
EPA SAMPLE NO.						
01 PB160706BL	590070	11.59	370605	14.24	319617	15.81
02 PB160706BS	721812	11.59	286595	14.25	292898	15.81
03 PB160673TB	560488	11.59	343367	14.24	308778	15.81
04 V359	510812	11.59	258139	14.24	259687	15.81
05 V359MS	631301	11.59	286230	14.25	305123	15.81
06 V359MSD	554601	11.59	266803	14.25	299754	15.81
07 VB16173	594343	11.59	261005	14.24	133896 *	15.80
08 RB21155-CONCRETE	569525	11.59	268885	14.24	242729	15.80

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.: **BF050324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160706BS	n-Nitrosodimethylamine	50	36.5	ug/L	73				55	108	
	Pyridine	50	32.1	ug/L	64				29	97	
	Benzaldehyde	50	28.7	ug/L	57				15	121	
	Aniline	50	31.4	ug/L	63				10	130	
	Phenol	50	38.4	ug/L	77				66	118	
	bis(2-Chloroethyl)ether	50	38.3	ug/L	77				62	103	
	2-Chlorophenol	50	40.9	ug/L	82				70	117	
	1,2-Dichlorobenzene	50	40.1	ug/L	80				72	102	
	1,3-Dichlorobenzene	50	38.3	ug/L	77				71	103	
	1,4-Dichlorobenzene	50	39.3	ug/L	79				76	103	
	Benzyl Alcohol	50	41.9	ug/L	84				36	93	
	2-Methylphenol	50	40.2	ug/L	80				69	109	
	2,2-oxybis(1-Chloropropane)	50	35.8	ug/L	72				52	103	
	Acetophenone	50	41.4	ug/L	83				60	104	
	3+4-Methylphenols	50	39	ug/L	78				67	106	
	N-Nitroso-di-n-propylamine	50	38.7	ug/L	77				57	107	
	Hexachloroethane	50	40.8	ug/L	82				76	118	
	Nitrobenzene	50	38.3	ug/L	77				58	106	
	Isophorone	50	40.1	ug/L	80				61	102	
	2-Nitrophenol	50	45.3	ug/L	91				70	115	
	2,4-Dimethylphenol	50	43.6	ug/L	87				67	130	
	bis(2-Chloroethoxy)methane	50	39.5	ug/L	79				58	109	
	2,4-Dichlorophenol	50	41.7	ug/L	83				66	115	
	1,2,4-Trichlorobenzene	50	40.8	ug/L	82				41	115	
	Benzoic acid	50	41.7	ug/L	83				10	125	
	Naphthalene	50	40.8	ug/L	82				64	107	
	4-Chloroaniline	50	17.6	ug/L	35				10	85	
	Hexachlorobutadiene	50	40.9	ug/L	82				69	101	
	Caprolactam	50	40.4	ug/L	81				58	128	
	4-Chloro-3-methylphenol	50	41.4	ug/L	83				65	114	
	2-Methylnaphthalene	50	41.3	ug/L	83				64	107	
	Hexachlorocyclopentadiene	100	130	ug/L	130				36	160	
	2,4,6-Trichlorophenol	50	43	ug/L	86				61	110	
	2,4,5-Trichlorophenol	50	40.9	ug/L	82				70	106	
	1,1-Biphenyl	50	42.7	ug/L	85				72	98	
	2-Chloronaphthalene	50	40.6	ug/L	81				59	106	
	2-Nitroaniline	50	41.5	ug/L	83				58	107	
	Dimethylphthalate	50	42.6	ug/L	85				64	103	
	Acenaphthylene	50	44.6	ug/L	89				65	108	
	2,6-Dinitrotoluene	50	41.1	ug/L	82				64	110	
	3-Nitroaniline	50	24	ug/L	48				28	100	
	Acenaphthene	50	44.9	ug/L	90				59	113	
	Total PAH	800	738.5	ug/L	92				59	113	
	2,4-Dinitrophenol	100	87.4	ug/L	87				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF050324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160706BS	4-Nitrophenol	100	74.3	ug/L	74				68	116	
	Dibenzofuran	50	41.6	ug/L	83				65	106	
	2,4-Dinitrotoluene	50	42.3	ug/L	85				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	83.4	ug/L	83				60	115	
	Diethylphthalate	50	42.3	ug/L	85				63	105	
	4-Chlorophenyl-phenylether	50	41.5	ug/L	83				61	104	
	Fluorene	50	43	ug/L	86				64	107	
	4-Nitroaniline	50	48.8	ug/L	98				69	112	
	4,6-Dinitro-2-methylphenol	50	46.1	ug/L	92				62	132	
	N-Nitrosodiphenylamine	50	44.9	ug/L	90				61	109	
	Azobenzene	50	56.9	ug/L	114		*		59	106	
	4-Bromophenyl-phenylether	50	46.5	ug/L	93				73	103	
	Hexachlorobenzene	50	43.7	ug/L	87				73	106	
	Atrazine	50	49.5	ug/L	99				76	120	
	Pentachlorophenol	100	76.4	ug/L	76				47	114	
	Phenanthrene	50	43.5	ug/L	87				62	109	
	Anthracene	50	43.5	ug/L	87				65	110	
	Carbazole	50	39.9	ug/L	80				62	106	
	Di-n-butylphthalate	50	42.4	ug/L	85				64	106	
	Fluoranthene	50	38.2	ug/L	76				64	110	
	Benzidine	100	67.5	ug/L	68				10	94	
	Pyrene	50	67.2	ug/L	134		*		71	103	
	Butylbenzylphthalate	50	71.7	ug/L	143		*		61	105	
	3,3-Dichlorobenzidine	50	30.2	ug/L	60				43	108	
	Benzo(a)anthracene	50	45.3	ug/L	91				62	107	
	Chrysene	50	44.8	ug/L	90				61	108	
	bis(2-Ethylhexyl)phthalate	50	56.3	ug/L	113		*		59	110	
	Di-n-octyl phthalate	50	64.4	ug/L	129		*		67	126	
	Benzo(b)fluoranthene	50	40	ug/L	80				77	113	
	Benzo(k)fluoranthene	50	39.2	ug/L	78				64	113	
	Benzo(a)pyrene	50	45	ug/L	90				72	131	
	Indeno(1,2,3-cd)pyrene	50	54.2	ug/L	108		*		72	105	
	Dibenz(a,h)anthracene	50	54.5	ug/L	109				78	115	
	Benzo(g,h,i)perylene	50	49.8	ug/L	100				75	118	
	1,2,4,5-Tetrachlorobenzene	50	42.3	ug/L	85				72	101	
	1,4-Dioxane	50	30.6	ug/L	61				38	125	
	2,3,4,6-Tetrachlorophenol	50	42.2	ug/L	84				63	116	
	1-Methylnaphthalene	50	38.6	ug/L	77				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RB21155-CONCRETE

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF050324

SAS No.: BF050324 SDG NO.: BF050324

Lab File ID: BF137835.D

Lab Sample ID: P2337-05

Instrument ID: BNA_F

Date Extracted: 05/02/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/03/2024

Level: (low/med) LOW

Time Analyzed: 18:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RB21155-CONCRETE	P2337-05	BF137835.D	05/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160706BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF050324

SAS No.: BF050324 SDG NO.: BF050324

Lab File ID: BF137828.D

Lab Sample ID: PB160706BL

Instrument ID: BNA_F

Date Extracted: 05/03/2024

Matrix: (soil/water) water

Date Analyzed: 05/03/2024

Level: (low/med) LOW

Time Analyzed: 14:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160706BS	PB160706BS	BF137829.D	05/03/2024
PB160673TB	PB160673TB	BF137830.D	05/03/2024
V359	P2354-02	BF137831.D	05/03/2024
V359MS	P2354-02MS	BF137832.D	05/03/2024
V359MSD	P2354-02MSD	BF137833.D	05/03/2024
VB16173	P2355-02	BF137834.D	05/03/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2354-02MS		Client Sample ID: V359MS		DataFile: BF137832.D							
n-Nitrosodimethylamine	500		380	ug/L	76				10	130	
Pyridine	500		250	ug/L	50				10	109	
Benzaldehyde	500		240	ug/L	48				10	137	
Aniline	500		180	ug/L	36				10	130	
Phenol	500		390	ug/L	78				10	130	
bis(2-Chloroethyl)ether	500		430	ug/L	86				29	141	
2-Chlorophenol	500		450	ug/L	90				23	127	
1,2-Dichlorobenzene	500		420	ug/L	84				61	114	
1,3-Dichlorobenzene	500		390	ug/L	78				65	106	
1,4-Dichlorobenzene	500		400	ug/L	80				55	125	
Benzyl Alcohol	500		490	ug/L	98	*			31	94	
2-Methylphenol	500		460	ug/L	92				23	132	
2,2-oxybis(1-Chloropropane)	500		390	ug/L	78				36	141	
Acetophenone	500		440	ug/L	88				31	164	
3+4-Methylphenols	500		440	ug/L	88				17	136	
N-Nitroso-di-n-propylamine	500		450	ug/L	90				36	147	
Hexachloroethane	500		420	ug/L	84				35	137	
Nitrobenzene	500		410	ug/L	82				40	134	
Isophorone	500		450	ug/L	90				39	146	
2-Nitrophenol	500		480	ug/L	96				30	148	
2,4-Dimethylphenol	500		480	ug/L	96				17	143	
bis(2-Chloroethoxy)methane	500		450	ug/L	90				39	143	
2,4-Dichlorophenol	500		460	ug/L	92				22	146	
1,2,4-Trichlorobenzene	500		430	ug/L	86				66	110	
Benzoic acid	500		450	ug/L	90				10	101	
Naphthalene	500		420	ug/L	84				17	157	
4-Chloroaniline	500		65.6	ug/L	13				10	95	
Hexachlorobutadiene	500		420	ug/L	84				52	125	
Caprolactam	500		390	ug/L	78				10	130	
4-Chloro-3-methylphenol	500		460	ug/L	92				17	148	
2-Methylnaphthalene	500		450	ug/L	90				38	146	
Hexachlorocyclopentadiene	1000		1300	ug/L	130				20	153	
2,4,6-Trichlorophenol	500		470	ug/L	94				46	139	
2,4,5-Trichlorophenol	500		450	ug/L	90				42	129	
1,1-Biphenyl	500		460	ug/L	92				38	154	
2-Chloronaphthalene	500		440	ug/L	88				41	145	
2-Nitroaniline	500		440	ug/L	88				39	151	
Dimethylphthalate	500		480	ug/L	96				42	147	
Acenaphthylene	500		480	ug/L	96				40	141	
2,6-Dinitrotoluene	500		460	ug/L	92				43	148	
3-Nitroaniline	500		200	ug/L	40				10	111	
Acenaphthene	500		480	ug/L	96				37	146	
Total PAH	8000		7140	ug/L	89				37	146	
2,4-Dinitrophenol	1000		920	ug/L	92				14	167	
4-Nitrophenol	1000		590	ug/L	59				10	130	
Dibenzofuran	500		440	ug/L	88				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		450	ug/L	90				40	151	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		910	ug/L	91				40	151	
Diethylphthalate	500		480	ug/L	96				41	148	
4-Chlorophenyl-phenylether	500		450	ug/L	90				38	149	
Fluorene	500		430	ug/L	86				39	144	
4-Nitroaniline	500		330	ug/L	66				27	138	
4,6-Dinitro-2-methylphenol	500		520	ug/L	104				32	175	
N-Nitrosodiphenylamine	500		500	ug/L	100				40	150	
Azobenzene	500		440	ug/L	88				72	112	
4-Bromophenyl-phenylether	500		510	ug/L	102				42	151	
Hexachlorobenzene	500		480	ug/L	96				60	129	
Atrazine	500		540	ug/L	108				20	162	
Pentachlorophenol	1000		820	ug/L	82				15	137	
Phenanthrene	500		460	ug/L	92				40	147	
Anthracene	500		460	ug/L	92				41	146	
Carbazole	500		390	ug/L	78				37	154	
Di-n-butylphthalate	500		510	ug/L	102				40	151	
Fluoranthene	500		360	ug/L	72				42	146	
Benzidine	1000		94.7	ug/L	9	*			10	130	
Pyrene	500		510	ug/L	102				41	149	
Butylbenzylphthalate	500		660	ug/L	132				39	155	
3,3-Dichlorobenzidine	500		290	ug/L	58				10	114	
Benzo(a)anthracene	500		470	ug/L	94				41	147	
Chrysene	500		480	ug/L	96				44	144	
bis(2-Ethylhexyl)phthalate	500		740	ug/L	148				33	160	
Di-n-octyl phthalate	500		840	ug/L	168	*			36	158	
Benzo(b)fluoranthene	500		460	ug/L	92				40	150	
Benzo(k)fluoranthene	500		440	ug/L	88				40	147	
Benzo(a)pyrene	500		490	ug/L	98				42	147	
Indeno(1,2,3-cd)pyrene	500		420	ug/L	84				30	166	
Dibenz(a,h)anthracene	500		420	ug/L	84				23	172	
Benzo(g,h,i)perylene	500		360	ug/L	72				27	167	
1,2,4,5-Tetrachlorobenzene	500		450	ug/L	90				89	102	
1,4-Dioxane	500		320	ug/L	64				38	130	
2,3,4,6-Tetrachlorophenol	500		450	ug/L	90	*			91	111	
1-Methylnaphthalene	500		420	ug/L	84				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2354-02MSD		Client Sample ID: V359MSD		DataFile: BF137833.D							
n-Nitrosodimethylamine	500		380	ug/L	76		0		10	130	20
Pyridine	500		270	ug/L	54		8		10	109	20
Benzaldehyde	500		230	ug/L	46		4		10	137	20
Aniline	500		180	ug/L	36		0		10	130	20
Phenol	500		380	ug/L	76		3		10	130	20
bis(2-Chloroethyl)ether	500		410	ug/L	82		5		29	141	20
2-Chlorophenol	500		440	ug/L	88		2		23	127	20
1,2-Dichlorobenzene	500		400	ug/L	80		5		61	114	20
1,3-Dichlorobenzene	500		390	ug/L	78		0		65	106	20
1,4-Dichlorobenzene	500		390	ug/L	78		3		55	125	20
Benzyl Alcohol	500		460	ug/L	92		6		31	94	20
2-Methylphenol	500		440	ug/L	88		4		23	132	20
2,2-oxybis(1-Chloropropane)	500		380	ug/L	76		3		36	141	20
Acetophenone	500		440	ug/L	88		0		31	164	20
3+4-Methylphenols	500		420	ug/L	84		5		17	136	20
N-Nitroso-di-n-propylamine	500		430	ug/L	86		5		36	147	20
Hexachloroethane	500		410	ug/L	82		2		35	137	20
Nitrobenzene	500		410	ug/L	82		0		40	134	20
Isophorone	500		450	ug/L	90		0		39	146	20
2-Nitrophenol	500		480	ug/L	96		0		30	148	20
2,4-Dimethylphenol	500		470	ug/L	94		2		17	143	20
bis(2-Chloroethoxy)methane	500		430	ug/L	86		5		39	143	20
2,4-Dichlorophenol	500		460	ug/L	92		0		22	146	20
1,2,4-Trichlorobenzene	500		420	ug/L	84		2		66	110	20
Benzoic acid	500		440	ug/L	88		2		10	101	20
Naphthalene	500		430	ug/L	86		2		17	157	20
4-Chloroaniline	500		69.9	ug/L	14		7		10	95	20
Hexachlorobutadiene	500		420	ug/L	84		0		52	125	20
Caprolactam	500		400	ug/L	80		3		10	130	20
4-Chloro-3-methylphenol	500		460	ug/L	92		0		17	148	20
2-Methylnaphthalene	500		440	ug/L	88		2		38	146	20
Hexachlorocyclopentadiene	1000		1200	ug/L	120		8		20	153	20
2,4,6-Trichlorophenol	500		470	ug/L	94		0		46	139	20
2,4,5-Trichlorophenol	500		460	ug/L	92		2		42	129	20
1,1-Biphenyl	500		460	ug/L	92		0		38	154	20
2-Chloronaphthalene	500		440	ug/L	88		0		41	145	20
2-Nitroaniline	500		440	ug/L	88		0		39	151	20
Dimethylphthalate	500		480	ug/L	96		0		42	147	20
Acenaphthylene	500		480	ug/L	96		0		40	141	20
2,6-Dinitrotoluene	500		460	ug/L	92		0		43	148	20
3-Nitroaniline	500		200	ug/L	40		0		10	111	20
Acenaphthene	500		480	ug/L	96		0		37	146	20
Total PAH	8000		7160	ug/L	90		1		37	146	20
2,4-Dinitrophenol	1000		950	ug/L	95		3		14	167	20
4-Nitrophenol	1000		610	ug/L	61		3		10	130	20
Dibenzofuran	500		440	ug/L	88		0		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF050324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		450	ug/L	90		0		40	151	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		910	ug/L	91		0		40	151	20
Diethylphthalate	500		470	ug/L	94		2		41	148	20
4-Chlorophenyl-phenylether	500		450	ug/L	90		0		38	149	20
Fluorene	500		440	ug/L	88		2		39	144	20
4-Nitroaniline	500		330	ug/L	66		0		27	138	20
4,6-Dinitro-2-methylphenol	500		510	ug/L	102		2		32	175	20
N-Nitrosodiphenylamine	500		500	ug/L	100		0		40	150	20
Azobenzene	500		430	ug/L	86		2		72	112	20
4-Bromophenyl-phenylether	500		500	ug/L	100		2		42	151	20
Hexachlorobenzene	500		480	ug/L	96		0		60	129	20
Atrazine	500		540	ug/L	108		0		20	162	20
Pentachlorophenol	1000		820	ug/L	82		0		15	137	20
Phenanthrene	500		460	ug/L	92		0		40	147	20
Anthracene	500		470	ug/L	94		2		41	146	20
Carbazole	500		390	ug/L	78		0		37	154	20
Di-n-butylphthalate	500		500	ug/L	100		2		40	151	20
Fluoranthene	500		360	ug/L	72		0		42	146	20
Benzidine	1000		130	ug/L	13		36	*	10	130	20
Pyrene	500		490	ug/L	98		4		41	149	20
Butylbenzylphthalate	500		610	ug/L	122		8		39	155	20
3,3-Dichlorobenzidine	500		320	ug/L	64		10		10	114	20
Benzo(a)anthracene	500		470	ug/L	94		0		41	147	20
Chrysene	500		480	ug/L	96		0		44	144	20
bis(2-Ethylhexyl)phthalate	500		680	ug/L	136		8		33	160	20
Di-n-octyl phthalate	500		800	ug/L	160	*	5		36	158	20
Benzo(b)fluoranthene	500		430	ug/L	86		7		40	150	20
Benzo(k)fluoranthene	500		450	ug/L	90		2		40	147	20
Benzo(a)pyrene	500		490	ug/L	98		0		42	147	20
Indeno(1,2,3-cd)pyrene	500		430	ug/L	86		2		30	166	20
Dibenz(a,h)anthracene	500		430	ug/L	86		2		23	172	20
Benzo(g,h,i)perylene	500		370	ug/L	74		3		27	167	20
1,2,4,5-Tetrachlorobenzene	500		450	ug/L	90		0		89	102	20
1,4-Dioxane	500		330	ug/L	66		3		38	130	20
2,3,4,6-Tetrachlorophenol	500		450	ug/L	90	*	0		91	111	20
1-Methylnaphthalene	500		420	ug/L	84		0		25	151	20



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

Surrogate Summary

SW-846

SDG No.: BF050324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2337-05	RB21155-CONCREBF137835.D		2-Fluorophenol	150	81.33	54		18	112
			Phenol-d6	150	86.49	58		15	107
			Nitrobenzene-d5	100	61.50	61		18	107
			2-Fluorobiphenyl	100	66.76	67		20	109
			2,4,6-Tribromophenol	150	73.81	49		10	110
			Terphenyl-d14	100	79.57	80		14	112

Surrogate Summary

SW-846

SDG No.: **BF050324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2354-02	V359	BF137831.D	2-Fluorophenol	150	113.73	76		10	139
			Phenol-d6	150	100.25	67		10	134
			Nitrobenzene-d5	100	85.57	86		49	133
			2-Fluorobiphenyl	100	85.56	86		52	132
			2,4,6-Tribromophenol	150	130.60	87		32	145
			Terphenyl-d14	100	102.57	103		36	145
P2354-02MS	V359MS	BF137832.D	2-Fluorophenol	150	115.29	77		10	139
			Phenol-d6	150	109.43	73		10	134
			Nitrobenzene-d5	100	83.74	84		49	133
			2-Fluorobiphenyl	100	88.87	89		52	132
			2,4,6-Tribromophenol	150	128.67	86		32	145
			Terphenyl-d14	100	108.68	109		36	145
P2354-02MSD	V359MSD	BF137833.D	2-Fluorophenol	150	114.06	76		10	139
			Phenol-d6	150	106.89	71		10	134
			Nitrobenzene-d5	100	83.98	84		49	133
			2-Fluorobiphenyl	100	87.43	87		52	132
			2,4,6-Tribromophenol	150	128.33	86		32	145
			Terphenyl-d14	100	100.19	100		36	145
P2355-02	VB16173	BF137834.D	2-Fluorophenol	150	126.14	84		10	139
			Phenol-d6	150	112.95	75		10	134
			Nitrobenzene-d5	100	89.80	90		49	133
			2-Fluorobiphenyl	100	95.57	96		52	132
			2,4,6-Tribromophenol	150	147.14	98		32	145
			Terphenyl-d14	100	120.99	121		36	145
PB160673TB	PB160673TB	BF137830.D	2-Fluorophenol	150	129.92	87		10	139
			Phenol-d6	150	124.31	83		10	134
			Nitrobenzene-d5	100	87.82	88		49	133
			2-Fluorobiphenyl	100	90.68	91		52	132
			2,4,6-Tribromophenol	150	137.23	91		32	145
			Terphenyl-d14	100	99.03	99		36	145
PB160706BL	PB160706BL	BF137828.D	2-Fluorophenol	150	114.60	76		10	139
			Phenol-d6	150	110.05	73		10	134
			Nitrobenzene-d5	100	76.48	76		49	133
			2-Fluorobiphenyl	100	80.75	81		52	132
			2,4,6-Tribromophenol	150	121.33	81		32	145
			Terphenyl-d14	100	87.22	87		36	145
PB160706BS	PB160706BS	BF137829.D	2-Fluorophenol	150	154.41	103		10	139
			Phenol-d6	150	108.09	72		10	134
			Nitrobenzene-d5	100	77.90	78		49	133
			2-Fluorobiphenyl	100	83.41	83		52	132
			2,4,6-Tribromophenol	150	168.92	113		32	145
			Terphenyl-d14	100	125.64	126		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF050324

Lab Code: CHEM

SAS No.: BF050324

SDG NO.: BF050324

Lab File ID: BF137826.D

DFTPP Injection Date: 05/03/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.3
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	30.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	42.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.5 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF137827.D	05/03/2024	12:45
PB160706BL	PB160706BL	BF137828.D	05/03/2024	14:34
PB160706BS	PB160706BS	BF137829.D	05/03/2024	15:04
PB160673TB	PB160673TB	BF137830.D	05/03/2024	15:34
V359	P2354-02	BF137831.D	05/03/2024	16:19
V359MS	P2354-02MS	BF137832.D	05/03/2024	16:49
V359MSD	P2354-02MSD	BF137833.D	05/03/2024	17:20
VB16173	P2355-02	BF137834.D	05/03/2024	17:49
RB21155-CONCRETE	P2337-05	BF137835.D	05/03/2024	18:19