

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF051324 SAS No.: BF051324 SDG No.: BF051324

Instrument ID: BNA_F Calibration Date/Time: 5/13/2024 12:18

Lab File ID: BF137897.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	0.557		-4.949	
Pyridine	1.302	1.158		-11.06	
2-Fluorophenol	1.195	1.572		31.548	
Benzaldehyde	0.816	0.823		0.858	
Aniline	1.502	1.195		-20.439	
Phenol-d6	1.515	1.964		29.637	
Phenol	1.553	1.436		-7.534	20.0
bis(2-Chloroethyl) ether	1.216	1.135		-6.661	
2-Chlorophenol	1.302	1.248		-4.147	
1,2-Dichlorobenzene	1.387	1.350		-2.668	
1,3-Dichlorobenzene	1.468	1.432		-2.452	
1,4-Dichlorobenzene	1.473	1.449		-1.629	20.0
Benzyl Alcohol	1.048	1.002		-4.389	
2-Methylphenol	1.050	1.017		-3.143	
2,2-oxybis(1-Chloropropane)	1.709	1.411		-17.437	
Acetophenone	0.450	0.438		-2.667	
3+4-Methylphenols	1.382	1.328		-3.907	
n-Nitroso-di-n-propylamine	0.905	0.815	0.050	-9.945	
Nitrobenzene-d5	0.344	0.335		-2.616	
Hexachloroethane	0.498	0.493		-1.004	
Nitrobenzene	0.355	0.341		-3.944	
Isophorone	0.621	0.589		-5.153	
2-Nitrophenol	0.161	0.169		4.969	20.0
2,4-Dimethylphenol	0.231	0.223		-3.463	
bis(2-Chloroethoxy) methane	0.376	0.356		-5.319	
2,4-Dichlorophenol	0.280	0.279		-0.357	20.0
1,2,4-Trichlorobenzene	0.305	0.307		0.656	
Benzoic acid	0.200	0.190		-5.0	
Naphthalene	0.994	0.983		-1.107	
4-Chloroaniline	0.369	0.314		-14.905	
Hexachlorobutadiene	0.187	0.195		4.278	20.0
Caprolactam	0.089	0.084		-5.618	
4-Chloro-3-methylphenol	0.292	0.289		-1.027	20.0
2-Methylnaphthalene	0.643	0.631		-1.866	
Hexachlorocyclopentadiene	0.215	0.209	0.050	-2.791	
2,4,6-Trichlorophenol	0.361	0.350		-3.047	20.0
2-Fluorobiphenyl	1.233	1.226		-0.568	
2,4,5-Trichlorophenol	0.398	0.394		-1.005	
1,1-Biphenyl	1.373	1.359		-1.02	

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Lab File ID: BF137897.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	1.089		-1.715	
2-Nitroaniline	0.301	0.292		-2.99	
Dimethylphthalate	1.263	1.229		-2.692	
Acenaphthylene	1.603	1.576		-1.684	
2,6-Dinitrotoluene	0.289	0.288		-0.346	
3-Nitroaniline	0.302	0.284		-5.96	
Acenaphthene	1.063	1.046		-1.599	20.0
2,4-Dinitrophenol	0.142	0.120	0.050	-15.493	
4-Nitrophenol	0.250	0.225	0.050	-10.0	
Dibenzofuran	1.546	1.508		-2.458	
2,4-Dinitrotoluene	0.377	0.379		0.531	
Diethylphthalate	1.199	1.183		-1.334	
4-Chlorophenyl-phenylether	0.606	0.590		-2.64	
Fluorene	1.231	1.183		-3.899	
4-Nitroaniline	0.306	0.276		-9.804	
4,6-Dinitro-2-methylphenol	0.115	0.111		-3.478	
n-Nitrosodiphenylamine	0.599	0.595		-0.668	20.0
Azobenzene	1.159	1.073		-7.42	
2,4,6-Tribromophenol	0.204	0.280		37.255	
4-Bromophenyl-phenylether	0.214	0.217		1.402	
Hexachlorobenzene	0.234	0.233		-0.427	
Atrazine	0.183	0.149		-18.579	
Pentachlorophenol	0.161	0.146		-9.317	20.0
Phenanthrene	0.975	0.948		-2.769	
Anthracene	0.970	0.943		-2.784	
Carbazole	0.935	0.892		-4.599	
Di-n-butylphthalate	1.020	1.037		1.667	
Fluoranthene	1.066	1.003		-5.91	20.0
Benzidine	0.463	0.086		-81.425	
Pyrene	1.586	1.719		8.386	
Terphenyl-d14	1.193	1.319		10.562	
Butylbenzylphthalate	0.503	0.576		14.513	
3,3-Dichlorobenzidine	0.383	0.348		-9.138	
Benzo(a)anthracene	1.279	1.270		-0.704	
Chrysene	1.198	1.191		-0.584	
Bis(2-ethylhexyl)phthalate	0.634	0.730		15.142	
Di-n-octyl phthalate	0.853	1.000		17.233	20.0
Benzo(b)fluoranthene	1.244	1.131		-9.084	
Benzo(k)fluoranthene	1.203	1.165		-3.159	

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Instrument ID: BNA_F Calibration Date/Time: 5/13/2024 12:18

Lab File ID: BF137897.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	1.002		-1.281	20.0
Indeno(1,2,3-cd)pyrene	1.137	1.341		17.942	
Dibenzo(a,h)anthracene	0.926	1.105		19.33	
Benzo(g,h,i)perylene	0.970	1.158		19.381	
1,2,4,5-Tetrachlorobenzene	0.530	0.535		0.943	
1,4-Dioxane	0.538	0.618		14.87	20.0
2,3,4,6-Tetrachlorophenol	0.323	0.298		-7.74	
1-Methylnaphthalene	0.633	0.614		-3.002	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BL	SDG No.:	BF051324
Lab Sample ID:	PB160855BL	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
BF137898.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BL	SDG No.:	BF051324
Lab Sample ID:	PB160855BL	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
BF137898.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BL	SDG No.:	BF051324
Lab Sample ID:	PB160855BL	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
BF137898.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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	131.37		10-139		88	SPK: -150
13127-88-3	Phenol-d6	125.813		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	87.945		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	92.28		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BL	SDG No.:	BF051324
Lab Sample ID:	PB160855BL	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
BF137898.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.751		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	97.226		36-145		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140115	7.039				
1146-65-2	Naphthalene-d8	541826	8.322				
15067-26-2	Acenaphthene-d10	304857	10.086				
1517-22-2	Phenanthrene-d10	526728	11.574				
1719-03-5	Chrysene-d12	327765	14.227				
1520-96-3	Perylene-d12	273510	15.786				

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BS	SDG No.:	BF051324
Lab Sample ID:	PB160855BS	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
BF137899.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38.1		1	8	10	ug/L
110-86-1	Pyridine	34.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	23.2		4	8	10	ug/L
62-53-3	Aniline	32.3		1.6	4	5	ug/L
108-95-2	Phenol	41.2		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	44.2		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	42.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.5		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	42		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	43.4		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37		1.4	4	5	ug/L
98-86-2	Acetophenone	43.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.1		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.3		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	42.4		1	4	5	ug/L
98-95-3	Nitrobenzene	40.2		1.3	4	5	ug/L
78-59-1	Isophorone	42.3		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	41.3		5.5	8	10	ug/L
91-20-3	Naphthalene	42.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	14.5		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	43.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BS	SDG No.:	BF051324
Lab Sample ID:	PB160855BS	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
BF137899.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	45.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.7		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.8		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	44.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	42.6		1	4	5	ug/L
92-52-4	1,1-Biphenyl	43		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	41.9		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	43.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.4		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	43.5		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	30		1.4	4	5	ug/L
83-32-9	Acenaphthene	46.4		0.81	4	5	ug/L
Total PAH	Total PAH	726.8		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	92.8	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	85.5	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43.8		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	46.3		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.8		2.7	4	10	ug/L
84-66-2	Diethylphthalate	44.9		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.4		0.98	4	5	ug/L
86-73-7	Fluorene	43.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.2		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.6		0.89	4	5	ug/L
103-33-3	Azobenzene	42.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.3		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	43.6		1.1	4	5	ug/L
1912-24-9	Atrazine	50.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BS	SDG No.:	BF051324
Lab Sample ID:	PB160855BS	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
BF137899.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	80.7	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	44.9		0.89	4	5	ug/L
120-12-7	Anthracene	46.6		1.1	4	5	ug/L
86-74-8	Carbazole	44		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.7		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.1		1.3	4	5	ug/L
92-87-5	Benzidine	19.5		4.1	8	10	ug/L
129-00-0	Pyrene	43.7		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	52.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	30.8		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46		0.94	4	5	ug/L
218-01-9	Chrysene	46.6		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.1		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	59.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	42.3		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.7		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.2		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.6		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.1		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.206		10-139		83	SPK: -150
13127-88-3	Phenol-d6	121.106		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	83.495		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	86.807		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	PB160855BS	SDG No.:	BF051324
Lab Sample ID:	PB160855BS	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
BF137899.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.975		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	90.979		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144383	7.04				
1146-65-2	Naphthalene-d8	566828	8.328				
15067-26-2	Acenaphthene-d10	324938	10.086				
1517-22-2	Phenanthrene-d10	574496	11.58				
1719-03-5	Chrysene-d12	396812	14.233				
1520-96-3	Perylene-d12	310445	15.792				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051324
Lab Sample ID:	P2422-08	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
BF137900.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051324
Lab Sample ID:	P2422-08	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
BF137900.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051324
Lab Sample ID:	P2422-08	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
BF137900.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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	117.857		10-139		79	SPK: -150
13127-88-3	Phenol-d6	102.724		10-134		68	SPK: -150
4165-60-0	Nitrobenzene-d5	84.425		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	91.842		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WCS-TP-F	SDG No.:	BF051324
Lab Sample ID:	P2422-08	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
BF137900.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	158.128		32-145		105	SPK: -150
1718-51-0	Terphenyl-d14	84.047		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134890	7.039				
1146-65-2	Naphthalene-d8	528916	8.322				
15067-26-2	Acenaphthene-d10	285487	10.08				
1517-22-2	Phenanthrene-d10	558374	11.574				
1719-03-5	Chrysene-d12	442800	14.227				
1520-96-3	Perylene-d12	148584	15.786				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051324
Lab Sample ID:	P2423-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137901.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051324
Lab Sample ID:	P2423-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137901.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051324
Lab Sample ID:	P2423-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137901.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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	107.636		10-139		72	SPK: -150
13127-88-3	Phenol-d6	94.622		10-134		63	SPK: -150
4165-60-0	Nitrobenzene-d5	79.759		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	86.798		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	WC-GG	SDG No.:	BF051324
Lab Sample ID:	P2423-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137901.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	153.271		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	86.023		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140827	7.04				
1146-65-2	Naphthalene-d8	543952	8.322				
15067-26-2	Acenaphthene-d10	300052	10.081				
1517-22-2	Phenanthrene-d10	576215	11.575				
1719-03-5	Chrysene-d12	444164	14.227				
1520-96-3	Perylene-d12	155134	15.786				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS002-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137902.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS002-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137902.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS002-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137902.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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	470		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	112.951		10-139		75	SPK: -150
13127-88-3	Phenol-d6	101.448		10-134		68	SPK: -150
4165-60-0	Nitrobenzene-d5	83.058		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	87.07		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS002-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137902.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	149.074		32-145		99	SPK: -150
1718-51-0	Terphenyl-d14	85.663		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143011	7.04				
1146-65-2	Naphthalene-d8	548598	8.322				
15067-26-2	Acenaphthene-d10	312699	10.081				
1517-22-2	Phenanthrene-d10	578871	11.575				
1719-03-5	Chrysene-d12	463167	14.227				
1520-96-3	Perylene-d12	401703	15.786				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS003-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-06	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
BF137903.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS003-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-06	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
BF137903.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS003-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-06	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
BF137903.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

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	121.605		10-139		81	SPK: -150
13127-88-3	Phenol-d6	107.206		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	87.954		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	89.711		52-132		90	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	1011UMR-SS003-1224-01	SDG No.:	BF051324
Lab Sample ID:	P2430-06	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
BF137903.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	150.1		32-145		100	SPK: -150
1718-51-0	Terphenyl-d14	88.461		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125515	7.04				
1146-65-2	Naphthalene-d8	482614	8.322				
15067-26-2	Acenaphthene-d10	275796	10.081				
1517-22-2	Phenanthrene-d10	506182	11.575				
1719-03-5	Chrysene-d12	397359	14.221				
1520-96-3	Perylene-d12	345501	15.786				

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-04-011	SDG No.:	BF051324
Lab Sample ID:	P2432-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	30.06	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
BF137904.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.5	U	92.5	290	350	ug/Kg
110-86-1	Pyridine	85.2	U	85.2	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.4	U	88.4	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.2	U	89.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	89	U	89	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.2	U	90.2	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.7	U	91.7	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.2	U	92.2	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.5	U	88.5	290	350	ug/Kg
95-48-7	2-Methylphenol	85.9	U	85.9	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.9	U	96.9	140	180	ug/Kg
98-86-2	Acetophenone	92.7	U	92.7	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.1	U	85.1	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43	U	43	85.3	85.3	ug/Kg
67-72-1	Hexachloroethane	88.5	U	88.5	140	180	ug/Kg
98-95-3	Nitrobenzene	96.8	U	96.8	140	180	ug/Kg
78-59-1	Isophorone	90.2	U	90.2	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.4	U	99.4	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.5	U	91.5	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.5	U	80.5	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.1	U	91.1	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.1	U	88.1	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.1	U	88.1	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.8	U	88.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-04-011	SDG No.:	BF051324
Lab Sample ID:	P2432-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	30.06	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
BF137904.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.5	U	92.5	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.6	U	82.6	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88	U	88	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.1	U	76.1	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.9	U	78.9	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.2	U	93.2	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.8	U	88.8	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.1	U	87.1	140	180	ug/Kg
208-96-8	Acenaphthylene	92.2	U	92.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.7	U	88.7	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.1	U	95.1	140	180	ug/Kg
83-32-9	Acenaphthene	86.5	U	86.5	140	180	ug/Kg
Total PAH	Total PAH	1413.1	U	1413.1	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90	U	90	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80.6	U	180.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.9	U	91.9	140	180	ug/Kg
84-66-2	Diethylphthalate	85.4	U	85.4	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.3	U	91.3	140	180	ug/Kg
86-73-7	Fluorene	91.2	U	91.2	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87	U	87	140	180	ug/Kg
103-33-3	Azobenzene	84.9	U	84.9	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.1	U	84.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.6	U	90.6	140	180	ug/Kg
1912-24-9	Atrazine	97.5	U	97.5	140	180	ug/Kg

Report of Analysis

Client:				Date Collected:	5/8/2024 12:00:00 AM		
Project:				Date Received:	5/8/2024 12:00:00 AM		
Client Sample ID:	SW-04-011			SDG No.:	BF051324		
Lab Sample ID:	P2432-06			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	6.4		
Sample Wt/Vol:	30.06	Units:	g	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
BF137904.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.4	U	82.4	290	350	ug/Kg
85-01-8	Phenanthrene	89.6	U	89.6	140	180	ug/Kg
120-12-7	Anthracene	90	U	90	140	180	ug/Kg
86-74-8	Carbazole	85.6	U	85.6	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.9	U	89.9	140	180	ug/Kg
206-44-0	Fluoranthene	87.1	U	87.1	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.5	U	88.5	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86	U	86	140	180	ug/Kg
218-01-9	Chrysene	84.8	U	84.8	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97	U	97	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.5	U	86.5	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.2	U	99.2	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.3	U	83.3	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.6	U	86.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.4	U	85.4	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.5	U	92.5	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.6	U	79.6	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.7	U	88.7	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.376		18-112		52	SPK: -150
13127-88-3	Phenol-d6	75.038		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	50.69		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	55.296		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-04-011	SDG No.:	BF051324
Lab Sample ID:	P2432-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	30.06	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
BF137904.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.759		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	51.618		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135183	7.04				
1146-65-2	Naphthalene-d8	523265	8.322				
15067-26-2	Acenaphthene-d10	300062	10.08				
1517-22-2	Phenanthrene-d10	548298	11.575				
1719-03-5	Chrysene-d12	427869	14.221				
1520-96-3	Perylene-d12	377732	15.786				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J			2.393	

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-01-011	SDG No.:	BF051324
Lab Sample ID:	P2432-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.05	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
BF137905.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.9	U	92.9	290	350	ug/Kg
110-86-1	Pyridine	85.5	U	85.5	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.7	U	88.7	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.5	U	90.5	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92	U	92	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.6	U	92.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.8	U	88.8	290	350	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.3	U	97.3	140	180	ug/Kg
98-86-2	Acetophenone	93	U	93	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	140	180	ug/Kg
98-95-3	Nitrobenzene	97.2	U	97.2	140	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.4	U	91.4	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.4	U	88.4	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.4	U	88.4	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-01-011	SDG No.:	BF051324
Lab Sample ID:	P2432-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.05 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
BF137905.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.9	U	92.9	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.3	U	88.3	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	140	180	ug/Kg
208-96-8	Acenaphthylene	92.6	U	92.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89	U	89	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	U	95.4	140	180	ug/Kg
83-32-9	Acenaphthene	86.8	U	86.8	140	180	ug/Kg
Total PAH	Total PAH	1418.1	U	1418.1	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81.2	U	181.2	140	360	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	140	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	140	180	ug/Kg
103-33-3	Azobenzene	85.2	U	85.2	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	140	180	ug/Kg
118-74-1	Hexachlorobenzene	91	U	91	140	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-01-011	SDG No.:	BF051324
Lab Sample ID:	P2432-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.05	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
BF137905.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.7	U	82.7	290	350	ug/Kg
85-01-8	Phenanthrene	89.9	U	89.9	140	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	140	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	140	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.4	U	86.4	140	180	ug/Kg
218-01-9	Chrysene	85.1	U	85.1	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	U	97.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.8	U	86.8	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.4	U	88.4	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.6	U	83.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.9	U	92.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89	U	89	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.94		18-112		65	SPK: -150
13127-88-3	Phenol-d6	96.207		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	64.185		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	65.477		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-01-011	SDG No.:	BF051324
Lab Sample ID:	P2432-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.05	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
BF137905.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	100.856		10-110		67	SPK: -150
1718-51-0	Terphenyl-d14	61.052		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131705	7.039				
1146-65-2	Naphthalene-d8	510381	8.322				
15067-26-2	Acenaphthene-d10	293893	10.08				
1517-22-2	Phenanthrene-d10	539077	11.574				
1719-03-5	Chrysene-d12	420611	14.227				
1520-96-3	Perylene-d12	360817	15.786				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2300	J			2.404	
000057-55-6	Propylene Glycol	87.7	J			3.681	
	unknown10.163	92.7	J			10.163	

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051324
Lab Sample ID:	P2432-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09	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
BF137906.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93.1	U	93.1	290	350	ug/Kg
110-86-1	Pyridine	85.7	U	85.7	140	180	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.9	U	88.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.5	U	89.5	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.7	U	90.7	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92.2	U	92.2	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.7	U	92.7	140	180	ug/Kg
100-51-6	Benzyl Alcohol	89	U	89	290	350	ug/Kg
95-48-7	2-Methylphenol	86.4	U	86.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.4	U	97.4	140	180	ug/Kg
98-86-2	Acetophenone	93.2	U	93.2	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.5	U	85.5	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.2	U	43.2	85.8	85.8	ug/Kg
67-72-1	Hexachloroethane	89	U	89	140	180	ug/Kg
98-95-3	Nitrobenzene	97.3	U	97.3	140	180	ug/Kg
78-59-1	Isophorone	90.7	U	90.7	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.9	U	99.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92	U	92	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.9	U	80.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.6	U	91.6	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.6	U	88.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.6	U	88.6	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.3	U	89.3	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051324
Lab Sample ID:	P2432-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137906.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	93.1	U	93.1	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.1	U	83.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.4	U	88.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.5	U	76.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.3	U	79.3	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.7	U	93.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.3	U	89.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.6	U	87.6	140	180	ug/Kg
208-96-8	Acenaphthylene	92.7	U	92.7	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.2	U	89.2	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.6	U	95.6	140	180	ug/Kg
83-32-9	Acenaphthene	86.9	U	86.9	140	180	ug/Kg
Total PAH	Total PAH	1420.7	U	1420.7	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.5	U	90.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	181.6	U	181.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	140	180	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.8	U	91.8	140	180	ug/Kg
86-73-7	Fluorene	91.7	U	91.7	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.5	U	87.5	140	180	ug/Kg
103-33-3	Azobenzene	85.3	U	85.3	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.6	U	84.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	91.1	U	91.1	140	180	ug/Kg
1912-24-9	Atrazine	98	U	98	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051324
Lab Sample ID:	P2432-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09	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
BF137906.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.9	U	82.9	290	350	ug/Kg
85-01-8	Phenanthrene	90.1	U	90.1	140	180	ug/Kg
120-12-7	Anthracene	90.5	U	90.5	140	180	ug/Kg
86-74-8	Carbazole	86.1	U	86.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.4	U	90.4	140	180	ug/Kg
206-44-0	Fluoranthene	87.6	U	87.6	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	89	U	89	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.5	U	86.5	140	180	ug/Kg
218-01-9	Chrysene	85.2	U	85.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.6	U	97.6	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.9	U	86.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.6	U	88.6	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.7	U	99.7	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.7	U	83.7	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.1	U	87.1	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.9	U	85.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.1	U	93.1	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.1	U	80.1	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89.2	U	89.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.173		18-112		56	SPK: -150
13127-88-3	Phenol-d6	81.55		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	56.386		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	59.033		20-109		59	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-02-011	SDG No.:	BF051324
Lab Sample ID:	P2432-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	30.09 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
BF137906.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	85.558		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	56.863		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136763	7.039				
1146-65-2	Naphthalene-d8	509276	8.322				
15067-26-2	Acenaphthene-d10	289855	10.08				
1517-22-2	Phenanthrene-d10	521133	11.574				
1719-03-5	Chrysene-d12	383373	14.221				
1520-96-3	Perylene-d12	315130	15.786				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			2.416	
	unknown3.681	74	J			3.681	

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051324
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137907.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.4	U	96.4	300	370	ug/Kg
110-86-1	Pyridine	88.7	U	88.7	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	92.1	U	92.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93	U	93	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.7	U	92.7	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	94	U	94	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.5	U	95.5	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.1	U	96.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	92.2	U	92.2	300	370	ug/Kg
95-48-7	2-Methylphenol	89.5	U	89.5	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.5	U	96.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.6	U	88.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.8	U	44.8	88.8	88.8	ug/Kg
67-72-1	Hexachloroethane	92.2	U	92.2	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	94	U	94	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.3	U	95.3	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.9	U	83.9	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.8	U	94.8	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.7	U	91.7	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.7	U	91.7	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.5	U	92.5	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051324
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137907.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.4	U	96.4	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.1	U	86.1	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.6	U	91.6	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.3	U	79.3	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.2	U	82.2	140	190	ug/Kg
92-52-4	1,1-Biphenyl	97.1	U	97.1	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.5	U	92.5	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.7	U	90.7	140	190	ug/Kg
208-96-8	Acenaphthylene	96.1	U	96.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.4	U	92.4	140	190	ug/Kg
99-09-2	3-Nitroaniline	99.1	U	99.1	140	190	ug/Kg
83-32-9	Acenaphthene	90.1	U	90.1	140	190	ug/Kg
Total PAH	Total PAH	1468.4	U	1468.4	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	93.7	U	93.7	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.7	U	95.7	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	188.1	U	188.1	140	380	ug/Kg
84-66-2	Diethylphthalate	89	U	89	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	140	190	ug/Kg
86-73-7	Fluorene	95	U	95	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.6	U	90.6	140	190	ug/Kg
103-33-3	Azobenzene	88.4	U	88.4	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.6	U	87.6	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.4	U	94.4	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051324
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137907.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.9	U	85.9	300	370	ug/Kg
85-01-8	Phenanthrene	93.3	U	93.3	140	190	ug/Kg
120-12-7	Anthracene	93.7	U	93.7	140	190	ug/Kg
86-74-8	Carbazole	89.2	U	89.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.6	U	93.6	140	190	ug/Kg
206-44-0	Fluoranthene	90.7	U	90.7	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	92.2	U	92.2	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.6	U	89.6	140	190	ug/Kg
218-01-9	Chrysene	88.3	U	88.3	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90.1	U	90.1	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.7	U	91.7	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	U	86.7	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90.2	U	90.2	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89	U	89	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.4	U	96.4	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83	U	83	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.4	U	92.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.986		18-112		59	SPK: -150
13127-88-3	Phenol-d6	86.534		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	58.328		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	60.857		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	5/8/2024 12:00:00 AM
Project:		Date Received:	5/8/2024 12:00:00 AM
Client Sample ID:	SW-03-011	SDG No.:	BF051324
Lab Sample ID:	P2432-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.2
Sample Wt/Vol:	30.08	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
BF137907.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.506		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	60.701		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	139078	7.039				
1146-65-2	Naphthalene-d8	530604	8.322				
15067-26-2	Acenaphthene-d10	301568	10.08				
1517-22-2	Phenanthrene-d10	552488	11.574				
1719-03-5	Chrysene-d12	390266	14.221				
1520-96-3	Perylene-d12	330153	15.786				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			2.422	
004254-14-2	R-(-)-1,2-propanediol	84.4	J			3.687	
000057-10-3	n-Hexadecanoic acid	78.1	J			12.08	



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

Hit Summary Sheet SW-846

SDG No.: BF051324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : 1011UMR-SS002-1224-01								
P2430-04	1011UMR-SS002-1224-0	water	Benzidine	470.000		40.7	100	ug/L
			Total Svoc :			470.00		
			Total Concentration:			470.00		
Client ID : SW-01-011								
P2432-03	SW-01-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,300.000	J		
P2432-03	SW-01-011	Solid	Propylene Glycol	*	87.700	J		
P2432-03	SW-01-011	Solid	unknown10.163	*	92.700	J		
			Total Tics :			2,480.40		
			Total Concentration:			2,480.40		
Client ID : SW-02-011								
P2432-04	SW-02-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P2432-04	SW-02-011	Solid	unknown3.681	*	74.000	J		
			Total Tics :			2,174.00		
			Total Concentration:			2,174.00		
Client ID : SW-03-011								
P2432-05	SW-03-011	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P2432-05	SW-03-011	Solid	n-Hexadecanoic acid	*	78.100	J		
P2432-05	SW-03-011	Solid	R-(-)-1,2-propanediol	*	84.400	J		
			Total Tics :			2,262.50		
			Total Concentration:			2,262.50		
Client ID : SW-04-011								
P2432-06	SW-04-011	Solid	Butane, 2-methoxy-2-methyl-	*	1,800.000	J		
			Total Tics :			1,800.00		
			Total Concentration:			1,800.00		



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.: BF051324 SAS No.: BF051324 SDG NO.: BF051324

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

Lab File ID: BF137768.D Time Analyzed: 12:48

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	PB160855BL	140115	7.04	541826	8.32	304857	10.09
02	PB160855BS	144383	7.04	566828	8.33	324938	10.09
03	WCS-TP-F	134890	7.04	528916	8.32	285487	10.08
04	WC-GG	140827	7.04	543952	8.32	300052	10.08
05	1011UMR-SS002-1224-01	143011	7.04	548598	8.32	312699	10.08
06	1011UMR-SS003-1224-01	125515	7.04	482614	8.32	275796	10.08
07	SW-04-011	135183	7.04	523265	8.32	300062	10.08
08	SW-01-011	131705	7.04	510381	8.32	293893	10.08
09	SW-02-011	136763	7.04	509276	8.32	289855	10.08
10	SW-03-011	139078	7.04	530604	8.32	301568	10.08

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,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051324 SAS No.: BF051324 SDG NO.: BF051324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BF137897.D Time Analyzed: 12:48

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	168521	7.045	647252	8.33	359965	10.09
	UPPER LIMIT	337042	7.545	1294504	8.828	719930	10.592
	LOWER LIMIT	84260.5	6.545	323626	7.828	179982.5	9.592
	EPA SAMPLE NO.						
01	PB160855BL	140115	7.04	541826	8.32	304857	10.09
02	PB160855BS	144383	7.04	566828	8.33	324938	10.09
03	WCS-TP-F	134890	7.04	528916	8.32	285487	10.08
04	WC-GG	140827	7.04	543952	8.32	300052	10.08
05	1011UMR-SS002-1224-01	143011	7.04	548598	8.32	312699	10.08
06	1011UMR-SS003-1224-01	125515	7.04	482614	8.32	275796	10.08
07	SW-04-011	135183	7.04	523265	8.32	300062	10.08
08	SW-01-011	131705	7.04	510381	8.32	293893	10.08
09	SW-02-011	136763	7.04	509276	8.32	289855	10.08
10	SW-03-011	139078	7.04	530604	8.32	301568	10.08

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.: BF051324 SAS No.: BF051324 SDG NO.: BF051324

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

Lab File ID: BF137768.D Time Analyzed: 12:48

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 PB160855BL	526728	11.57	327765	14.23	273510	15.79
02 PB160855BS	574496	11.58	396812	14.23	310445	15.79
03 WCS-TP-F	558374	11.57	442800	14.23	148584 *	15.79
04 WC-GG	576215	11.58	444164	14.23	155134 *	15.79
05 1011UMR-SS002-1224-01	578871	11.58	463167	14.23	401703	15.79
06 1011UMR-SS003-1224-01	506182	11.58	397359	14.22	345501	15.79
07 SW-04-011	548298	11.58	427869	14.22	377732	15.79
08 SW-01-011	539077	11.57	420611	14.23	360817	15.79
09 SW-02-011	521133	11.57	383373	14.22	315130	15.79
10 SW-03-011	552488	11.57	390266	14.22	330153	15.79

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF051324 SAS No.: BF051324 SDG NO.: BF051324

EPA Sample No.: SSTDCCC040 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BF137897.D Time Analyzed: 12:48

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	611908	11.58	356756	14.233	306924	15.792
	UPPER LIMIT	1223816	12.08	713512	14.733	613848	16.292
	LOWER LIMIT	305954	11.08	178378	13.733	153462	15.292
	EPA SAMPLE NO.						
01	PB160855BL	526728	11.57	327765	14.23	273510	15.79
02	PB160855BS	574496	11.58	396812	14.23	310445	15.79
03	WCS-TP-F	558374	11.57	442800	14.23	148584 *	15.79
04	WC-GG	576215	11.58	444164	14.23	155134	15.79
05	1011UMR-SS002-1224-01	578871	11.58	463167	14.23	401703	15.79
06	1011UMR-SS003-1224-01	506182	11.58	397359	14.22	345501	15.79
07	SW-04-011	548298	11.58	427869	14.22	377732	15.79
08	SW-01-011	539077	11.57	420611	14.23	360817	15.79
09	SW-02-011	521133	11.57	383373	14.22	315130	15.79
10	SW-03-011	552488	11.57	390266	14.22	330153	15.79

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160855BS	n-Nitrosodimethylamine	50	38.1	ug/L	76				55	108	
	Pyridine	50	34.3	ug/L	69				29	97	
	Benzaldehyde	50	23.2	ug/L	46				15	121	
	Aniline	50	32.3	ug/L	65				10	130	
	Phenol	50	41.2	ug/L	82				66	118	
	bis(2-Chloroethyl)ether	50	41.6	ug/L	83				62	103	
	2-Chlorophenol	50	44.2	ug/L	88				70	117	
	1,2-Dichlorobenzene	50	42.5	ug/L	85				72	102	
	1,3-Dichlorobenzene	50	41.5	ug/L	83				71	103	
	1,4-Dichlorobenzene	50	42	ug/L	84				76	103	
	Benzyl Alcohol	50	43.4	ug/L	87				36	93	
	2-Methylphenol	50	43	ug/L	86				69	109	
	2,2-oxybis(1-Chloropropane)	50	37	ug/L	74				52	103	
	Acetophenone	50	43.5	ug/L	87				60	104	
	3+4-Methylphenols	50	42.1	ug/L	84				67	106	
	N-Nitroso-di-n-propylamine	50	40.3	ug/L	81				57	107	
	Hexachloroethane	50	42.4	ug/L	85				76	118	
	Nitrobenzene	50	40.2	ug/L	80				58	106	
	Isophorone	50	42.3	ug/L	85				61	102	
	2-Nitrophenol	50	47.2	ug/L	94				70	115	
	2,4-Dimethylphenol	50	46.3	ug/L	93				67	130	
	bis(2-Chloroethoxy)methane	50	41.8	ug/L	84				58	109	
	2,4-Dichlorophenol	50	44.6	ug/L	89				66	115	
	1,2,4-Trichlorobenzene	50	43.2	ug/L	86				41	115	
	Benzoic acid	50	41.3	ug/L	83				10	125	
	Naphthalene	50	42.8	ug/L	86				64	107	
	4-Chloroaniline	50	14.5	ug/L	29				10	85	
	Hexachlorobutadiene	50	43.1	ug/L	86				69	101	
	Caprolactam	50	45.9	ug/L	92				58	128	
	4-Chloro-3-methylphenol	50	44.7	ug/L	89				65	114	
	2-Methylnaphthalene	50	43.8	ug/L	88				64	107	
	Hexachlorocyclopentadiene	100	130	ug/L	130				36	160	
	2,4,6-Trichlorophenol	50	44.1	ug/L	88				61	110	
	2,4,5-Trichlorophenol	50	42.6	ug/L	85				70	106	
	1,1-Biphenyl	50	43	ug/L	86				72	98	
	2-Chloronaphthalene	50	41.9	ug/L	84				59	106	
	2-Nitroaniline	50	43.6	ug/L	87				58	107	
	Dimethylphthalate	50	44.8	ug/L	90				64	103	
	Acenaphthylene	50	46.4	ug/L	93				65	108	
	2,6-Dinitrotoluene	50	43.5	ug/L	87				64	110	
	3-Nitroaniline	50	30	ug/L	60				28	100	
	Acenaphthene	50	46.4	ug/L	93				59	113	
	Total PAH	800	726.8	ug/L	91				59	113	
	2,4-Dinitrophenol	100	92.8	ug/L	93				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF051324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160855BS	4-Nitrophenol	100	85.5	ug/L	86				68	116		
	Dibenzofuran	50	43.8	ug/L	88				65	106		
	2,4-Dinitrotoluene	50	46.3	ug/L	93				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	89.8	ug/L	90				60	115		
	Diethylphthalate	50	44.9	ug/L	90				63	105		
	4-Chlorophenyl-phenylether	50	43.4	ug/L	87				61	104		
	Fluorene	50	43.6	ug/L	87				64	107		
	4-Nitroaniline	50	42.2	ug/L	84				69	112		
	4,6-Dinitro-2-methylphenol	50	46.4	ug/L	93				62	132		
	N-Nitrosodiphenylamine	50	44.6	ug/L	89				61	109		
	Azobenzene	50	42.6	ug/L	85				59	106		
	4-Bromophenyl-phenylether	50	44.3	ug/L	89				73	103		
	Hexachlorobenzene	50	43.6	ug/L	87				73	106		
	Atrazine	50	50.4	ug/L	101				76	120		
	Pentachlorophenol	100	80.7	ug/L	81				47	114		
	Phenanthrene	50	44.9	ug/L	90				62	109		
	Anthracene	50	46.6	ug/L	93				65	110		
	Carbazole	50	44	ug/L	88				62	106		
	Di-n-butylphthalate	50	46.7	ug/L	93				64	106		
	Fluoranthene	50	44.1	ug/L	88				64	110		
	Benzidine	100	19.5	ug/L	20				10	94		
	Pyrene	50	43.7	ug/L	87				71	103		
	Butylbenzylphthalate	50	52.6	ug/L	105				61	105		
	3,3-Dichlorobenzidine	50	30.8	ug/L	62				43	108		
	Benzo(a)anthracene	50	46	ug/L	92				62	107		
	Chrysene	50	46.6	ug/L	93				61	108		
	bis(2-Ethylhexyl)phthalate	50	55.1	ug/L	110				59	110		
	Di-n-octyl phthalate	50	59.7	ug/L	119				67	126		
	Benzo(b)fluoranthene	50	46.5	ug/L	93				77	113		
	Benzo(k)fluoranthene	50	46.1	ug/L	92				64	113		
	Benzo(a)pyrene	50	48.6	ug/L	97				72	131		
	Indeno(1,2,3-cd)pyrene	50	46.2	ug/L	92				72	105		
	Dibenz(a,h)anthracene	50	46	ug/L	92				78	115		
	Benzo(g,h,i)perylene	50	42.3	ug/L	85				75	118		
	1,2,4,5-Tetrachlorobenzene	50	43.7	ug/L	87				72	101		
	1,4-Dioxane	50	34.2	ug/L	68				38	125		
	2,3,4,6-Tetrachlorophenol	50	44.6	ug/L	89				63	116		
	1-Methylnaphthalene	50	41.1	ug/L	82				51	114		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SW-04-011

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051324

SAS No.: BF051324 SDG NO.: BF051324

Lab File ID: BF137904.D

Lab Sample ID: P2432-06

Instrument ID: BNA_F

Date Extracted: 05/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/13/2024

Level: (low/med) LOW

Time Analyzed: 15:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SW-04-011	P2432-06	BF137904.D	05/13/2024
SW-01-011	P2432-03	BF137905.D	05/13/2024
SW-02-011	P2432-04	BF137906.D	05/13/2024
SW-03-011	P2432-05	BF137907.D	05/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160855BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF051324

SAS No.: BF051324 SDG NO.: BF051324

Lab File ID: BF137898.D

Lab Sample ID: PB160855BL

Instrument ID: BNA_F

Date Extracted: 05/10/2024

Matrix: (soil/water) water

Date Analyzed: 05/13/2024

Level: (low/med) LOW

Time Analyzed: 12:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160855BS	PB160855BS	BF137899.D	05/13/2024
WCS-TP-F	P2422-08	BF137900.D	05/13/2024
WC-GG	P2423-04	BF137901.D	05/13/2024
1011UMR-SS002-1224-01	P2430-04	BF137902.D	05/13/2024
1011UMR-SS003-1224-01	P2430-06	BF137903.D	05/13/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BF051324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2432-03	SW-01-011	BF137905.D	2-Fluorophenol	150	97.94	65		18	112
			Phenol-d6	150	96.21	64		15	107
			Nitrobenzene-d5	100	64.19	64		18	107
			2-Fluorobiphenyl	100	65.48	65		20	109
			2,4,6-Tribromophenol	150	100.86	67		10	110
			Terphenyl-d14	100	61.05	61		14	112
P2432-04	SW-02-011	BF137906.D	2-Fluorophenol	150	84.17	56		18	112
			Phenol-d6	150	81.55	54		15	107
			Nitrobenzene-d5	100	56.39	56		18	107
			2-Fluorobiphenyl	100	59.03	59		20	109
			2,4,6-Tribromophenol	150	85.56	57		10	110
			Terphenyl-d14	100	56.86	57		14	112
P2432-05	SW-03-011	BF137907.D	2-Fluorophenol	150	87.99	59		18	112
			Phenol-d6	150	86.53	58		15	107
			Nitrobenzene-d5	100	58.33	58		18	107
			2-Fluorobiphenyl	100	60.86	61		20	109
			2,4,6-Tribromophenol	150	90.51	60		10	110
			Terphenyl-d14	100	60.70	61		14	112
P2432-06	SW-04-011	BF137904.D	2-Fluorophenol	150	77.38	52		18	112
			Phenol-d6	150	75.04	50		15	107
			Nitrobenzene-d5	100	50.69	51		18	107
			2-Fluorobiphenyl	100	55.30	55		20	109
			2,4,6-Tribromophenol	150	77.76	52		10	110
			Terphenyl-d14	100	51.62	52		14	112

Surrogate Summary

SW-846

SDG No.: **BF051324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2422-08	WCS-TP-F	BF137900.D	2-Fluorophenol	150	117.86	79		10	139
			Phenol-d6	150	102.72	68		10	134
			Nitrobenzene-d5	100	84.43	84		49	133
			2-Fluorobiphenyl	100	91.84	92		52	132
			2,4,6-Tribromophenol	150	158.13	105		32	145
			Terphenyl-d14	100	84.05	84		36	145
P2423-04	WC-GG	BF137901.D	2-Fluorophenol	150	107.64	72		10	139
			Phenol-d6	150	94.62	63		10	134
			Nitrobenzene-d5	100	79.76	80		49	133
			2-Fluorobiphenyl	100	86.80	87		52	132
			2,4,6-Tribromophenol	150	153.27	102		32	145
			Terphenyl-d14	100	86.02	86		36	145
P2430-04	1011UMR-SS002-1	BF137902.D	2-Fluorophenol	150	112.95	75		10	139
			Phenol-d6	150	101.45	68		10	134
			Nitrobenzene-d5	100	83.06	83		49	133
			2-Fluorobiphenyl	100	87.07	87		52	132
			2,4,6-Tribromophenol	150	149.07	99		32	145
			Terphenyl-d14	100	85.66	86		36	145
P2430-06	1011UMR-SS003-1	BF137903.D	2-Fluorophenol	150	121.61	81		10	139
			Phenol-d6	150	107.21	71		10	134
			Nitrobenzene-d5	100	87.95	88		49	133
			2-Fluorobiphenyl	100	89.71	90		52	132
			2,4,6-Tribromophenol	150	150.10	100		32	145
			Terphenyl-d14	100	88.46	88		36	145
PB160855BL	PB160855BL	BF137898.D	2-Fluorophenol	150	131.37	88		10	139
			Phenol-d6	150	125.81	84		10	134
			Nitrobenzene-d5	100	87.95	88		49	133
			2-Fluorobiphenyl	100	92.28	92		52	132
			2,4,6-Tribromophenol	150	133.75	89		32	145
			Terphenyl-d14	100	97.23	97		36	145
PB160855BS	PB160855BS	BF137899.D	2-Fluorophenol	150	125.21	83		10	139
			Phenol-d6	150	121.11	81		10	134
			Nitrobenzene-d5	100	83.50	83		49	133
			2-Fluorobiphenyl	100	86.81	87		52	132
			2,4,6-Tribromophenol	150	139.98	93		32	145
			Terphenyl-d14	100	90.98	91		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF051324

Lab Code: CHEM

SAS No.: BF051324

SDG NO.: BF051324

Lab File ID: BF137896.D

DFTPP Injection Date: 05/13/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	28.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.2
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	6.4
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.6
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	18.8 (18.8) 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	BF137897.D	05/13/2024	12:18
PB160855BL	PB160855BL	BF137898.D	05/13/2024	12:48
PB160855BS	PB160855BS	BF137899.D	05/13/2024	13:17
WCS-TP-F	P2422-08	BF137900.D	05/13/2024	13:55
WC-GG	P2423-04	BF137901.D	05/13/2024	14:25
1011UMR-SS002-1224-01	P2430-04	BF137902.D	05/13/2024	14:54
1011UMR-SS003-1224-01	P2430-06	BF137903.D	05/13/2024	15:24
SW-04-011	P2432-06	BF137904.D	05/13/2024	15:53
SW-01-011	P2432-03	BF137905.D	05/13/2024	16:24
SW-02-011	P2432-04	BF137906.D	05/13/2024	16:53
SW-03-011	P2432-05	BF137907.D	05/13/2024	17:22