

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF082824 SAS No.: BF082824 SDG No.: BF082824

Instrument ID: BNA_F Calibration Date/Time: 8/28/2024 1:10:06

Lab File ID: BF139199.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	0.814	0.792		-2.703	
Pyridine	1.399	1.426		1.93	
2-Fluorophenol	1.190	1.296		8.908	
Benzaldehyde	1.022	1.041		1.859	
Aniline	1.531	1.578		3.07	
Phenol-d6	1.633	1.694		3.735	
Phenol	1.649	1.789		8.49	20.0
bis(2-Chloroethyl)ether	1.299	1.299		0.0	
2-Chlorophenol	1.131	1.291		14.147	
1,2-Dichlorobenzene	1.408	1.433		1.776	
1,3-Dichlorobenzene	1.491	1.529		2.549	
1,4-Dichlorobenzene	1.496	1.530		2.273	20.0
Benzyl Alcohol	1.231	1.367		11.048	
2-Methylphenol	1.031	1.100		6.693	
2,2-oxybis(1-Chloropropane)	1.883	1.889		0.319	
Acetophenone	0.514	0.521		1.362	
3+4-Methylphenols	1.315	1.413		7.452	
n-Nitroso-di-n-propylamine	0.977	1.053	0.050	7.779	
Nitrobenzene-d5	0.361	0.438		21.33	
Hexachloroethane	0.473	0.537		13.531	
Nitrobenzene	0.365	0.459		25.753	
Isophorone	0.714	0.753		5.462	
2-Nitrophenol	0.102	0.171		67.647	20.0
2,4-Dimethylphenol	0.212	0.236		11.321	
bis(2-Chloroethoxy)methane	0.413	0.426		3.148	
2,4-Dichlorophenol	0.261	0.305		16.858	20.0
1,2,4-Trichlorobenzene	0.337	0.347		2.967	
Benzoic acid	0.152	0.226		48.684	
Naphthalene	1.023	1.046		2.248	
4-Chloroaniline	0.352	0.363		3.125	
Hexachlorobutadiene	0.219	0.230		5.023	20.0
Caprolactam	0.080	0.093		16.25	
4-Chloro-3-methylphenol	0.300	0.341		13.667	20.0
2-Methylnaphthalene	0.641	0.669		4.368	
Hexachlorocyclopentadiene	0.190	0.234	0.050	23.158	
2,4,6-Trichlorophenol	0.332	0.419		26.205	20.0
2-Fluorobiphenyl	1.288	1.309		1.63	
2,4,5-Trichlorophenol	0.348	0.409		17.529	
1,1-Biphenyl	1.448	1.486		2.624	

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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	1.155	1.176		1.818	
2-Nitroaniline	0.268	0.385		43.657	
Dimethylphthalate	1.155	1.307		13.16	
Acenaphthylene	1.627	1.694		4.118	
2,6-Dinitrotoluene	0.197	0.298		51.269	
3-Nitroaniline	0.207	0.287		38.647	
Acenaphthene	1.069	1.140		6.642	20.0
2,4-Dinitrophenol	0.080	0.139	0.050	73.75	
4-Nitrophenol	0.181	0.232	0.050	28.177	
Dibenzofuran	1.560	1.624		4.103	
2,4-Dinitrotoluene	0.244	0.390		59.836	
Diethylphthalate	1.088	1.257		15.533	
4-Chlorophenyl-phenylether	0.604	0.644		6.623	
Fluorene	1.231	1.279		3.899	
4-Nitroaniline	0.219	0.286		30.594	
4,6-Dinitro-2-methylphenol	0.067	0.110		64.179	
n-Nitrosodiphenylamine	0.592	0.611		3.209	20.0
Azobenzene	1.323	1.398		5.669	
2,4,6-Tribromophenol	0.171	0.214		25.146	
4-Bromophenyl-phenylether	0.213	0.229		7.512	
Hexachlorobenzene	0.230	0.244		6.087	
Atrazine	0.129	0.132		2.326	
Pentachlorophenol	0.135	0.168		24.444	20.0
Phenanthrene	1.011	1.022		1.088	
Anthracene	0.985	1.009		2.437	
Carbazole	0.881	0.897		1.816	
Di-n-butylphthalate	0.764	0.930		21.728	
Fluoranthene	0.981	1.004		2.345	20.0
Benzidine	0.337	0.491		45.697	
Pyrene	1.879	1.961		4.364	
Terphenyl-d14	1.282	1.382		7.8	
Butylbenzylphthalate	0.318	0.491		54.403	
3,3-Dichlorobenzidine	0.309	0.374		21.036	
Benzo(a)anthracene	1.325	1.358		2.491	
Chrysene	1.195	1.206		0.921	
Bis(2-ethylhexyl)phthalate	0.349	0.613		75.645	
Di-n-octyl phthalate	0.752	1.105		46.941	20.0
Benzo(b)fluoranthene	1.170	1.265		8.12	
Benzo(k)fluoranthene	1.058	1.048		-0.945	

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Instrument ID: BNA_F Calibration Date/Time: 8/28/2024 1:10:06

Lab File ID: BF139199.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	0.993	1.047		5.438	20.0
Indeno(1,2,3-cd)pyrene	1.368	1.421		3.874	
Dibenzo(a,h)anthracene	1.121	1.174		4.728	
Benzo(g,h,i)perylene	1.159	1.205		3.969	
1,2,4,5-Tetrachlorobenzene	0.593	0.609		2.698	
1,4-Dioxane	0.563	0.565		0.355	20.0
2,3,4,6-Tetrachlorophenol	0.279	0.343		22.939	
1-Methylnaphthalene	0.627	0.658		4.944	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB162991TB	SDG No.:	BF082824
Lab Sample ID:	PB162991TB	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
BF139200.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB162991TB	SDG No.:	BF082824
Lab Sample ID:	PB162991TB	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
BF139200.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB162991TB	SDG No.:	BF082824
Lab Sample ID:	PB162991TB	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
BF139200.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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	124.214		10-139		83	SPK: -150
13127-88-3	Phenol-d6	118.016		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	95.224		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	77.169		52-132		77	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB162991TB	SDG No.:	BF082824
Lab Sample ID:	PB162991TB	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
BF139200.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.957		44-137		99	SPK: -150
1718-51-0	Terphenyl-d14	84.795		48-125		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	121107	6.893				
1146-65-2	Naphthalene-d8	464556	8.169				
15067-26-2	Acenaphthene-d10	277722	9.922				
1517-22-2	Phenanthrene-d10	496912	11.41				
1719-03-5	Chrysene-d12	293090	14.045				
1520-96-3	Perylene-d12	211523	15.515				

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BS	SDG No.:	BF082824
Lab Sample ID:	PB163034BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139201.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.8		1	8	10	ug/L
110-86-1	Pyridine	40.6		1.6	4	5	ug/L
100-52-7	Benzaldehyde	5.1	J	4	8	10	ug/L
62-53-3	Aniline	41.7		1.6	4	5	ug/L
108-95-2	Phenol	51.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.7		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	55.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	52.9		1.6	8	10	ug/L
95-48-7	2-Methylphenol	51		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	48.9		1.4	4	5	ug/L
98-86-2	Acetophenone	45.9		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	50.3		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	52.3		1.5	4	5	ug/L
67-72-1	Hexachloroethane	51.7		1	4	5	ug/L
98-95-3	Nitrobenzene	47.3		1.3	4	5	ug/L
78-59-1	Isophorone	50.5		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	59.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	71.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	53.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.6		1.1	4	5	ug/L
65-85-0	Benzoic acid	51.6		5.5	8	10	ug/L
91-20-3	Naphthalene	45.7		1	4	5	ug/L
106-47-8	4-Chloroaniline	27.9		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BS	SDG No.:	BF082824
Lab Sample ID:	PB163034BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139201.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	51.9		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	47.1		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	200	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	58.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	57.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	47.6		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	47.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	55.4		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	55.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	50.9		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	56.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	40.2		1.4	4	5	ug/L
83-32-9	Acenaphthene	57.1		0.81	4	5	ug/L
Total PAH	Total PAH	819.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	49.9		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	57.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	56.2		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.9		0.98	4	5	ug/L
86-73-7	Fluorene	49.2		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	52.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	63.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	48.7		0.89	4	5	ug/L
103-33-3	Azobenzene	50.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	50.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.6		1.1	4	5	ug/L
1912-24-9	Atrazine	70.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BS	SDG No.:	BF082824
Lab Sample ID:	PB163034BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139201.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	48.8		0.89	4	5	ug/L
120-12-7	Anthracene	49.8		1.1	4	5	ug/L
86-74-8	Carbazole	47.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	61.1		1.5	4	5	ug/L
206-44-0	Fluoranthene	49.1		1.3	4	5	ug/L
92-87-5	Benzidine	30.8		4.1	8	10	ug/L
129-00-0	Pyrene	49.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	63.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	50.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	49.3		0.94	4	5	ug/L
218-01-9	Chrysene	49.7		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	65.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	59.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	53.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	55.4		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	53.9		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.7		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	51.1		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.4		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	62.1		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	38.2		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	98.428		60-140		98	SPK: -100
13127-88-3	Phenol-d6	94.409		60-140		94	SPK: -100
4165-60-0	Nitrobenzene-d5	109.312		60-140		109	SPK: -100
321-60-8	2-Fluorobiphenyl	93.818		60-140		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	120.536		60-140		121	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BS	SDG No.:	BF082824
Lab Sample ID:	PB163034BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139201.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	106.252		60-140		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103223	6.893				
1146-65-2	Naphthalene-d8	391077	8.175				
15067-26-2	Acenaphthene-d10	212799	9.928				
1517-22-2	Phenanthrene-d10	388796	11.416				
1719-03-5	Chrysene-d12	197039	14.051				
1520-96-3	Perylene-d12	190668	15.521				
	1-Methylnaphthalene	44.8					

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BSD	SDG No.:	BF082824
Lab Sample ID:	PB163034BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139202.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.4		1	8	10	ug/L
110-86-1	Pyridine	40		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4.8	J	4	8	10	ug/L
62-53-3	Aniline	40.8		1.6	4	5	ug/L
108-95-2	Phenol	50.7		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	54.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.8		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.5		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.2		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	52.7		1.6	8	10	ug/L
95-48-7	2-Methylphenol	50.7		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	48.4		1.4	4	5	ug/L
98-86-2	Acetophenone	45.8		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	49.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	51.6		1.5	4	5	ug/L
67-72-1	Hexachloroethane	51.4		1	4	5	ug/L
98-95-3	Nitrobenzene	47.9		1.3	4	5	ug/L
78-59-1	Isophorone	50.4		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	59.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	72.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	54.1		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	54		5.5	8	10	ug/L
91-20-3	Naphthalene	45.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	26		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	44.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BSD	SDG No.:	BF082824
Lab Sample ID:	PB163034BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139202.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	52		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	200	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	58		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	57		1	4	5	ug/L
92-52-4	1,1-Biphenyl	47.2		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.6		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	55		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	55.1		0.93	4	5	ug/L
208-96-8	Acenaphthylene	50.4		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	56		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	39.7		1.4	4	5	ug/L
83-32-9	Acenaphthene	55.8		0.81	4	5	ug/L
Total PAH	Total PAH	820		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	48.8		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	57.4		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.4		2.7	4	10	ug/L
84-66-2	Diethylphthalate	55.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.6		0.98	4	5	ug/L
86-73-7	Fluorene	48.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	51.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	63.2		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	48.2		0.89	4	5	ug/L
103-33-3	Azobenzene	50.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48.5		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.1		1.1	4	5	ug/L
1912-24-9	Atrazine	70.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BSD	SDG No.:	BF082824
Lab Sample ID:	PB163034BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139202.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	48.5		0.89	4	5	ug/L
120-12-7	Anthracene	49.7		1.1	4	5	ug/L
86-74-8	Carbazole	47.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	60.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	48.4		1.3	4	5	ug/L
92-87-5	Benzidine	32.2		4.1	8	10	ug/L
129-00-0	Pyrene	50.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	62.5		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	49.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	48.9		0.94	4	5	ug/L
218-01-9	Chrysene	49.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	63.4		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	58.5		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	52.6		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	56.3		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	54.4		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	53.9		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.1		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	52.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.2		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	61.5		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	36.7		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	97.825		60-140		98	SPK: -100
13127-88-3	Phenol-d6	93.16		60-140		93	SPK: -100
4165-60-0	Nitrobenzene-d5	110.101		60-140		110	SPK: -100
321-60-8	2-Fluorobiphenyl	93.355		60-140		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	117.67		60-140		118	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BSD	SDG No.:	BF082824
Lab Sample ID:	PB163034BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139202.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	108.483		60-140		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	105164	6.893				
1146-65-2	Naphthalene-d8	395427	8.175				
15067-26-2	Acenaphthene-d10	218164	9.928				
1517-22-2	Phenanthrene-d10	395038	11.416				
1719-03-5	Chrysene-d12	193809	14.051				
1520-96-3	Perylene-d12	187033	15.521				
	1-Methylnaphthalene	44.6					

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BL	SDG No.:	BF082824
Lab Sample ID:	PB163034BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139203.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

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

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BL	SDG No.:	BF082824
Lab Sample ID:	PB163034BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139203.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

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

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BL	SDG No.:	BF082824
Lab Sample ID:	PB163034BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139203.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	92.128		60-140		92	SPK: -100
13127-88-3	Phenol-d6	90.755		60-140		91	SPK: -100
4165-60-0	Nitrobenzene-d5	107.462		60-140		107	SPK: -100
321-60-8	2-Fluorobiphenyl	91.377		60-140		91	SPK: -100
118-79-6	2,4,6-Tribromophenol	97.45		60-140		97	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	PB163034BL	SDG No.:	BF082824
Lab Sample ID:	PB163034BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139203.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	99.291		60-140		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	101009	6.892				
1146-65-2	Naphthalene-d8	390186	8.169				
15067-26-2	Acenaphthene-d10	218096	9.922				
1517-22-2	Phenanthrene-d10	419256	11.41				
1719-03-5	Chrysene-d12	231629	14.045				
1520-96-3	Perylene-d12	168770	15.515				
TENTATIVE IDENTIFIED COMPOUNDS							
000110-83-8	Cyclohexene	100	J			2.31	
000068-12-2	Formamide, N,N-dimethyl-	2	J			4.228	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	46.8	A			5.122	
000822-67-3	2-Cyclohexen-1-ol	4	J			5.692	
000930-68-7	2-Cyclohexen-1-one	6	J			6.14	
001561-86-0	2-Chlorocyclohexanol	6.3	J			7.045	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	EFF-Waste Water	SDG No.:	BF082824
Lab Sample ID:	P3731-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139204.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

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

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	EFF-Waste Water	SDG No.:	BF082824
Lab Sample ID:	P3731-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139204.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

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

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	EFF-Waste Water	SDG No.:	BF082824
Lab Sample ID:	P3731-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139204.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	50.45	*	60-140		50	SPK: -100
13127-88-3	Phenol-d6	235.245	*	60-140		235	SPK: -100
4165-60-0	Nitrobenzene-d5	95.573		60-140		96	SPK: -100
321-60-8	2-Fluorobiphenyl	86.066		60-140		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.364		60-140		92	SPK: -100

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	EFF-Waste Water	SDG No.:	BF082824
Lab Sample ID:	P3731-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139204.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	68.926		60-140		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74802	6.892				
1146-65-2	Naphthalene-d8	258700	8.216				
15067-26-2	Acenaphthene-d10	137381	9.927				
1517-22-2	Phenanthrene-d10	203685	11.41				
1719-03-5	Chrysene-d12	174744	14.045				
1520-96-3	Perylene-d12	180200	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000104-76-7	1-Hexanol, 2-ethyl-	20	J			7.41	
000149-57-5	Hexanoic acid, 2-ethyl-	20	J			7.91	
1010383-14-1	Carbonic acid, 2-ethylhexyl tetrad	20	J			13.904	
1000383-13-5	Carbonic acid, 2-ethylhexyl octyl	66.4	J			14.545	
000141-38-8	Oxiraneoctanoic acid, 3-octyl-, 2-	20	J			15.286	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS	SDG No.:	BF082824
Lab Sample ID:	P3707-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.02 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
BF139205.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	5700		310	970	1200	ug/Kg
110-86-1	Pyridine	5400		290	470	610	ug/Kg
100-52-7	Benzaldehyde	3700		660	970	1200	ug/Kg
62-53-3	Aniline	4900		350	470	610	ug/Kg
108-95-2	Phenol	6400		300	470	610	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5800		300	470	610	ug/Kg
95-57-8	2-Chlorophenol	6700		300	470	610	ug/Kg
95-50-1	1,2-Dichlorobenzene	5800		310	470	610	ug/Kg
541-73-1	1,3-Dichlorobenzene	5600		310	470	610	ug/Kg
106-46-7	1,4-Dichlorobenzene	5600		310	470	610	ug/Kg
100-51-6	Benzyl Alcohol	6600		300	970	1200	ug/Kg
95-48-7	2-Methylphenol	6300		290	470	610	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	5900		330	470	610	ug/Kg
98-86-2	Acetophenone	5900		310	470	610	ug/Kg
65794-96-9	3+4-Methylphenols	6300		290	970	1200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	6400		150	290	290	ug/Kg
67-72-1	Hexachloroethane	6300		300	470	610	ug/Kg
98-95-3	Nitrobenzene	6000		330	470	610	ug/Kg
78-59-1	Isophorone	6200		310	470	610	ug/Kg
88-75-5	2-Nitrophenol	7600		340	470	610	ug/Kg
105-67-9	2,4-Dimethylphenol	7800		340	470	610	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	6000		310	470	610	ug/Kg
120-83-2	2,4-Dichlorophenol	6900		270	470	610	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5600		310	470	610	ug/Kg
65-85-0	Benzoic acid	5300		860	970	1200	ug/Kg
91-20-3	Naphthalene	5900		300	470	610	ug/Kg
106-47-8	4-Chloroaniline	2900		300	470	610	ug/Kg
87-68-3	Hexachlorobutadiene	5800		300	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS	SDG No.:	BF082824
Lab Sample ID:	P3707-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.02 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
BF139205.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	7100		310	970	1200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	6700		280	470	610	ug/Kg
91-57-6	2-Methylnaphthalene	6100		300	470	610	ug/Kg
77-47-4	Hexachlorocyclopentadiene	20300	E	560	970	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	7100		260	470	610	ug/Kg
95-95-4	2,4,5-Trichlorophenol	6800		270	470	610	ug/Kg
92-52-4	1,1-Biphenyl	5800		320	470	610	ug/Kg
91-58-7	2-Chloronaphthalene	5700		300	470	610	ug/Kg
88-74-4	2-Nitroaniline	6700		340	470	610	ug/Kg
131-11-3	Dimethylphthalate	6800		290	470	610	ug/Kg
208-96-8	Acenaphthylene	6300		310	470	610	ug/Kg
606-20-2	2,6-Dinitrotoluene	6700		300	470	610	ug/Kg
99-09-2	3-Nitroaniline	4800		320	470	610	ug/Kg
83-32-9	Acenaphthene	6500		290	470	610	ug/Kg
Total PAH	Total PAH	92100		4770	470	9760	ug/Kg
51-28-5	2,4-Dinitrophenol	9400		880	970	1200	ug/Kg
100-02-7	4-Nitrophenol	10400	E	420	970	1200	ug/Kg
132-64-9	Dibenzofuran	6000		300	470	610	ug/Kg
121-14-2	2,4-Dinitrotoluene	7000		310	470	610	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3700		610	470	1220	ug/Kg
84-66-2	Diethylphthalate	6900		290	470	610	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	6000		310	470	610	ug/Kg
86-73-7	Fluorene	5900		310	470	610	ug/Kg
100-01-6	4-Nitroaniline	5700		390	470	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	6500		420	970	1200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	6500		290	470	610	ug/Kg
103-33-3	Azobenzene	6100		290	470	610	ug/Kg
101-55-3	4-Bromophenyl-phenylether	6500		280	470	610	ug/Kg
118-74-1	Hexachlorobenzene	6300		310	470	610	ug/Kg
1912-24-9	Atrazine	9700	E	330	470	610	ug/Kg



Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS	SDG No.:	BF082824
Lab Sample ID:	P3707-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Cleanup :	
		GPC Factor :	
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139205.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	11100	E	280	970	1200	ug/Kg
85-01-8	Phenanthrene	6100		300	470	610	ug/Kg
120-12-7	Anthracene	6400		300	470	610	ug/Kg
86-74-8	Carbazole	5400		290	470	610	ug/Kg
84-74-2	Di-n-butylphthalate	8100		300	470	610	ug/Kg
206-44-0	Fluoranthene	5300		290	470	610	ug/Kg
92-87-5	Benzidine	6400		590	970	1200	ug/Kg
129-00-0	Pyrene	4900		300	470	610	ug/Kg
85-68-7	Butylbenzylphthalate	8600		350	470	610	ug/Kg
91-94-1	3,3-Dichlorobenzidine	7700		360	970	1200	ug/Kg
56-55-3	Benzo(a)anthracene	6300		290	470	610	ug/Kg
218-01-9	Chrysene	6300		290	470	610	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	9400		330	470	610	ug/Kg
117-84-0	Di-n-octyl phthalate	8700		400	970	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	6200		290	470	610	ug/Kg
207-08-9	Benzo(k)fluoranthene	6400		300	470	610	ug/Kg
50-32-8	Benzo(a)pyrene	6700		340	470	610	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4600		280	470	610	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4500		290	470	610	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3800		290	470	610	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	5800		310	470	610	ug/Kg
123-91-1	1,4-Dioxane	5000		400	470	610	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	7000		270	470	610	ug/Kg
90-12-0	1-Methylnaphthalene	5900		300	610	610	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.524		18-112		58	SPK: -150
13127-88-3	Phenol-d6	87.887		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	75.908		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	47.282		20-109		47	SPK: -100



Client:			Date Collected:	8/20/2024 12:00:00 AM		
Project:			Date Received:	8/20/2024 12:00:00 AM		
Client Sample ID:	S-929-K1-SO-0-0.5-082024MS			SDG No.:	BF082824	
Lab Sample ID:	P3707-02MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	72.3	
Sample Wt/Vol:	30.02	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
BF139205.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.091		10-116		59	SPK: -150
1718-51-0	Terphenyl-d14	31.588		10-105		32	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82034	6.892				
1146-65-2	Naphthalene-d8	302933	8.175				
15067-26-2	Acenaphthene-d10	175605	9.927				
1517-22-2	Phenanthrene-d10	285346	11.41				
1719-03-5	Chrysene-d12	154491	14.051				
1520-96-3	Perylene-d12	187877	15.521				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD	SDG No.:	BF082824
Lab Sample ID:	P3707-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.07	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
BF139206.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	5900		310	970	1200	ug/Kg
110-86-1	Pyridine	5700		290	470	610	ug/Kg
100-52-7	Benzaldehyde	3800		660	970	1200	ug/Kg
62-53-3	Aniline	5100		350	470	610	ug/Kg
108-95-2	Phenol	6700		300	470	610	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	6200		300	470	610	ug/Kg
95-57-8	2-Chlorophenol	7100		300	470	610	ug/Kg
95-50-1	1,2-Dichlorobenzene	6000		300	470	610	ug/Kg
541-73-1	1,3-Dichlorobenzene	5800		310	470	610	ug/Kg
106-46-7	1,4-Dichlorobenzene	5800		310	470	610	ug/Kg
100-51-6	Benzyl Alcohol	7000		300	970	1200	ug/Kg
95-48-7	2-Methylphenol	6600		290	470	610	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	6200		330	470	610	ug/Kg
98-86-2	Acetophenone	5900		310	470	610	ug/Kg
65794-96-9	3+4-Methylphenols	6600		290	970	1200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	6700		150	290	290	ug/Kg
67-72-1	Hexachloroethane	6700		300	470	610	ug/Kg
98-95-3	Nitrobenzene	6100		330	470	610	ug/Kg
78-59-1	Isophorone	6300		300	470	610	ug/Kg
88-75-5	2-Nitrophenol	7700		340	470	610	ug/Kg
105-67-9	2,4-Dimethylphenol	8000		340	470	610	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	6100		310	470	610	ug/Kg
120-83-2	2,4-Dichlorophenol	7000		270	470	610	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5700		310	470	610	ug/Kg
65-85-0	Benzoic acid	5300		850	970	1200	ug/Kg
91-20-3	Naphthalene	5900		300	470	610	ug/Kg
106-47-8	4-Chloroaniline	2900		300	470	610	ug/Kg
87-68-3	Hexachlorobutadiene	5800		300	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD	SDG No.:	BF082824
Lab Sample ID:	P3707-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139206.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	7300		310	970	1200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	6700		280	470	610	ug/Kg
91-57-6	2-Methylnaphthalene	6200		300	470	610	ug/Kg
77-47-4	Hexachlorocyclopentadiene	20000	E	560	970	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	7300		260	470	610	ug/Kg
95-95-4	2,4,5-Trichlorophenol	6900		270	470	610	ug/Kg
92-52-4	1,1-Biphenyl	6100		310	470	610	ug/Kg
91-58-7	2-Chloronaphthalene	5800		300	470	610	ug/Kg
88-74-4	2-Nitroaniline	6800		340	470	610	ug/Kg
131-11-3	Dimethylphthalate	7000		290	470	610	ug/Kg
208-96-8	Acenaphthylene	6500		310	470	610	ug/Kg
606-20-2	2,6-Dinitrotoluene	6900		300	470	610	ug/Kg
99-09-2	3-Nitroaniline	4900		320	470	610	ug/Kg
83-32-9	Acenaphthene	6600		290	470	610	ug/Kg
Total PAH	Total PAH	94500		4760	470	9760	ug/Kg
51-28-5	2,4-Dinitrophenol	9800	E	880	970	1200	ug/Kg
100-02-7	4-Nitrophenol	10600	E	420	970	1200	ug/Kg
132-64-9	Dibenzofuran	6200		300	470	610	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4200		610	470	1220	ug/Kg
121-14-2	2,4-Dinitrotoluene	7300		310	470	610	ug/Kg
84-66-2	Diethylphthalate	7200		290	470	610	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	6200		310	470	610	ug/Kg
86-73-7	Fluorene	6100		310	470	610	ug/Kg
100-01-6	4-Nitroaniline	5700		390	470	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	6800		420	970	1200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	6800		290	470	610	ug/Kg
103-33-3	Azobenzene	6300		290	470	610	ug/Kg
101-55-3	4-Bromophenyl-phenylether	6800		280	470	610	ug/Kg
118-74-1	Hexachlorobenzene	6600		310	470	610	ug/Kg
1912-24-9	Atrazine	9900	E	330	470	610	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD	SDG No.:	BF082824
Lab Sample ID:	P3707-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139206.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	11500	E	280	970	1200	ug/Kg
85-01-8	Phenanthrene	6400		300	470	610	ug/Kg
120-12-7	Anthracene	6600		300	470	610	ug/Kg
86-74-8	Carbazole	5500		290	470	610	ug/Kg
84-74-2	Di-n-butylphthalate	8300		300	470	610	ug/Kg
206-44-0	Fluoranthene	5500		290	470	610	ug/Kg
92-87-5	Benzidine	6500		590	970	1200	ug/Kg
129-00-0	Pyrene	5100		300	470	610	ug/Kg
85-68-7	Butylbenzylphthalate	8800		350	470	610	ug/Kg
91-94-1	3,3-Dichlorobenzidine	7800		360	970	1200	ug/Kg
56-55-3	Benzo(a)anthracene	6400		290	470	610	ug/Kg
218-01-9	Chrysene	6600		290	470	610	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	9600		330	470	610	ug/Kg
117-84-0	Di-n-octyl phthalate	8600		400	970	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	6300		290	470	610	ug/Kg
207-08-9	Benzo(k)fluoranthene	6700		300	470	610	ug/Kg
50-32-8	Benzo(a)pyrene	6900		330	470	610	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4600		280	470	610	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4500		290	470	610	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3800		290	470	610	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	5800		310	470	610	ug/Kg
123-91-1	1,4-Dioxane	5200		400	470	610	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	7300		270	470	610	ug/Kg
90-12-0	1-Methylnaphthalene	5900		300	610	610	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.855		18-112		62	SPK: -150
13127-88-3	Phenol-d6	92.71		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	77.973		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	48.608		20-109		49	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	S-929-K1-SO-0-0.5-082024MSD	SDG No.:	BF082824
Lab Sample ID:	P3707-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	72.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139206.D	1	8/23/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.877		10-116		61	SPK: -150
1718-51-0	Terphenyl-d14	34.121		10-105		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78910	6.892				
1146-65-2	Naphthalene-d8	303711	8.175				
15067-26-2	Acenaphthene-d10	173500	9.928				
1517-22-2	Phenanthrene-d10	279469	11.41				
1719-03-5	Chrysene-d12	158339	14.051				
1520-96-3	Perylene-d12	186597	15.521				

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BF082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139207.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	310	380	ug/Kg
110-86-1	Pyridine	93	U	93	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	96.5	U	96.5	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.5	U	97.5	150	200	ug/Kg
95-57-8	2-Chlorophenol	97.2	U	97.2	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.5	U	98.5	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	96.6	U	96.6	310	380	ug/Kg
95-48-7	2-Methylphenol	93.8	U	93.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	92.9	U	92.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.9	U	46.9	93.1	93.1	ug/Kg
67-72-1	Hexachloroethane	96.6	U	96.6	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	98.5	U	98.5	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	99.9	U	99.9	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	87.9	U	87.9	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.4	U	99.4	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	310	380	ug/Kg
91-20-3	Naphthalene	96.2	U	96.2	150	200	ug/Kg
106-47-8	4-Chloroaniline	96.2	U	96.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97	U	97	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BF082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139207.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.2	U	90.2	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.1	U	96.1	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.1	U	83.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.2	U	86.2	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97	U	97	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	95.1	U	95.1	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.9	U	96.9	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.4	U	94.4	150	200	ug/Kg
Total PAH	Total PAH	1543.9	U	1543.9	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	310	380	ug/Kg
132-64-9	Dibenzofuran	98.3	U	98.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	96.9	U	196.9	150	400	ug/Kg
84-66-2	Diethylphthalate	93.3	U	93.3	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.7	U	99.7	150	200	ug/Kg
86-73-7	Fluorene	99.6	U	99.6	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95	U	95	150	200	ug/Kg
103-33-3	Azobenzene	92.7	U	92.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	91.9	U	91.9	150	200	ug/Kg
118-74-1	Hexachlorobenzene	99	U	99	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BF082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139207.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90	U	90	310	380	ug/Kg
85-01-8	Phenanthrene	120	J	97.8	150	200	ug/Kg
120-12-7	Anthracene	98.3	U	98.3	150	200	ug/Kg
86-74-8	Carbazole	93.5	U	93.5	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.2	U	98.2	150	200	ug/Kg
206-44-0	Fluoranthene	220		95.1	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	160	J	96.6	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	190	J	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	94	150	200	ug/Kg
218-01-9	Chrysene	130	J	92.6	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220		110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	94.4	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	96.2	U	96.2	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90.9	U	90.9	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.5	U	94.5	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.3	U	93.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87	U	87	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	96.9	U	96.9	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.89		18-112		56	SPK: -150
13127-88-3	Phenol-d6	81.918		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	66.811		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	57.906		20-109		58	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITE	SDG No.:	BF082824
Lab Sample ID:	P3767-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139207.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.494		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	45.127		10-105		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84219	6.892				
1146-65-2	Naphthalene-d8	318115	8.175				
15067-26-2	Acenaphthene-d10	174944	9.922				
1517-22-2	Phenanthrene-d10	254267	11.41				
1719-03-5	Chrysene-d12	175144	14.045				
1520-96-3	Perylene-d12	168948	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	J			2.193	
004254-14-2	R-(-)-1,2-propanediol	120	J			3.393	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.104	
000770-35-4	1-Phenoxypropan-2-ol	150	J			8.481	
	unknown10.022	150	J			10.022	
000057-10-3	n-Hexadecanoic acid	270	J			11.933	
000057-11-4	Octadecanoic acid	100	J			12.716	
000295-48-7	Cyclopentadecane	160	J			13.892	
1000383-14-5	Carbonic acid, 2-ethylhexyl octade	96.3	J			14.48	
000295-65-8	Cyclohexadecane	78	J			14.521	
1000130-92-0	E-7-Octadecene	240	J			15.198	
000192-97-2	Benzo[e]pyrene	120	J			15.392	
000593-49-7	Heptacosane	91.2	J			16.009	

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BF082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
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
BF139208.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		100	310	380	ug/Kg
110-86-1	Pyridine	1700		92.9	150	200	ug/Kg
100-52-7	Benzaldehyde	940		210	310	380	ug/Kg
62-53-3	Aniline	1200		110	150	200	ug/Kg
108-95-2	Phenol	1900		96.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		97.3	150	200	ug/Kg
95-57-8	2-Chlorophenol	2000		97.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		98.3	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	2000		96.5	310	380	ug/Kg
95-48-7	2-Methylphenol	1800		93.7	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		110	150	200	ug/Kg
98-86-2	Acetophenone	1800		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1900		92.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		46.8	93	93	ug/Kg
67-72-1	Hexachloroethane	1900		96.5	150	200	ug/Kg
98-95-3	Nitrobenzene	1800		110	150	200	ug/Kg
78-59-1	Isophorone	1900		98.3	150	200	ug/Kg
88-75-5	2-Nitrophenol	2300		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		99.7	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		87.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		99.3	150	200	ug/Kg
65-85-0	Benzoic acid	1500		280	310	380	ug/Kg
91-20-3	Naphthalene	1800		96	150	200	ug/Kg
106-47-8	4-Chloroaniline	520		96	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1700		96.8	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BF082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.08 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
BF139208.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1900		100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		90.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		95.9	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		83	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		86	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1800		100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		96.8	150	200	ug/Kg
88-74-4	2-Nitroaniline	2000		110	150	200	ug/Kg
131-11-3	Dimethylphthalate	2100		95	150	200	ug/Kg
208-96-8	Acenaphthylene	1900		100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		96.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	1300		100	150	200	ug/Kg
83-32-9	Acenaphthene	1900		94.3	150	200	ug/Kg
Total PAH	Total PAH	29200		1541.7	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		280	310	380	ug/Kg
100-02-7	4-Nitrophenol	2900		130	310	380	ug/Kg
132-64-9	Dibenzofuran	1800		98.1	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4000		196.7	150	400	ug/Kg
84-66-2	Diethylphthalate	2000		93.1	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		99.5	150	200	ug/Kg
86-73-7	Fluorene	1700		99.4	150	200	ug/Kg
100-01-6	4-Nitroaniline	1500		120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		94.9	150	200	ug/Kg
103-33-3	Azobenzene	1800		92.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		91.7	150	200	ug/Kg
118-74-1	Hexachlorobenzene	2000		98.8	150	200	ug/Kg
1912-24-9	Atrazine	2900		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BF082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.08 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
BF139208.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3500	E	89.9	310	380	ug/Kg
85-01-8	Phenanthrene	2000		97.6	150	200	ug/Kg
120-12-7	Anthracene	2000		98.1	150	200	ug/Kg
86-74-8	Carbazole	1700		93.3	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	2500		98	150	200	ug/Kg
206-44-0	Fluoranthene	2000		95	150	200	ug/Kg
92-87-5	Benzidine	1500		190	310	380	ug/Kg
129-00-0	Pyrene	1500		96.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2600		110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	1900		93.8	150	200	ug/Kg
218-01-9	Chrysene	2100		92.4	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2900		110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		94.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		96	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	2200		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		90.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		94.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		93.1	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		100	150	200	ug/Kg
123-91-1	1,4-Dioxane	1500		130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		86.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1700		96.7	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.719		18-112		52	SPK: -150
13127-88-3	Phenol-d6	77.303		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	64.238		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	56.001		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMS	SDG No.:	BF082824
Lab Sample ID:	P3767-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.08 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
BF139208.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.444		10-116		54	SPK: -150
1718-51-0	Terphenyl-d14	45.688		10-105		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86887	6.892				
1146-65-2	Naphthalene-d8	316589	8.175				
15067-26-2	Acenaphthene-d10	169707	9.927				
1517-22-2	Phenanthrene-d10	244189	11.41				
1719-03-5	Chrysene-d12	170859	14.051				
1520-96-3	Perylene-d12	150694	15.521				

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMSD	SDG No.:	BF082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
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
BF139209.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		100	310	380	ug/Kg
110-86-1	Pyridine	1800		92.9	150	200	ug/Kg
100-52-7	Benzaldehyde	980		210	310	380	ug/Kg
62-53-3	Aniline	1200		110	150	200	ug/Kg
108-95-2	Phenol	2000		96.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		97.4	150	200	ug/Kg
95-57-8	2-Chlorophenol	2100		97.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		98.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	2100		96.5	310	380	ug/Kg
95-48-7	2-Methylphenol	2000		93.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		110	150	200	ug/Kg
98-86-2	Acetophenone	1800		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1900		92.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		46.9	93.1	93.1	ug/Kg
67-72-1	Hexachloroethane	2000		96.5	150	200	ug/Kg
98-95-3	Nitrobenzene	1900		110	150	200	ug/Kg
78-59-1	Isophorone	1900		98.4	150	200	ug/Kg
88-75-5	2-Nitrophenol	2300		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		99.8	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		87.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		99.3	150	200	ug/Kg
65-85-0	Benzoic acid	1500		280	310	380	ug/Kg
91-20-3	Naphthalene	1800		96.1	150	200	ug/Kg
106-47-8	4-Chloroaniline	560		96.1	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		96.9	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMSD	SDG No.:	BF082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06 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
BF139209.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2000		100	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		90.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		96	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5100	E	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		83.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		86.1	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		96.9	150	200	ug/Kg
88-74-4	2-Nitroaniline	2000		110	150	200	ug/Kg
131-11-3	Dimethylphthalate	2100		95	150	200	ug/Kg
208-96-8	Acenaphthylene	2000		100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		96.8	150	200	ug/Kg
99-09-2	3-Nitroaniline	1300		100	150	200	ug/Kg
83-32-9	Acenaphthene	1900		94.3	150	200	ug/Kg
Total PAH	Total PAH	29400		1542.5	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		280	310	380	ug/Kg
100-02-7	4-Nitrophenol	3100		130	310	380	ug/Kg
132-64-9	Dibenzofuran	1800		98.2	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4000		196.8	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		100	150	200	ug/Kg
84-66-2	Diethylphthalate	2100		93.2	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		99.6	150	200	ug/Kg
86-73-7	Fluorene	1700		99.5	150	200	ug/Kg
100-01-6	4-Nitroaniline	1500		120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		94.9	150	200	ug/Kg
103-33-3	Azobenzene	1800		92.6	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		91.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	2000		98.9	150	200	ug/Kg
1912-24-9	Atrazine	3000		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMSD	SDG No.:	BF082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06 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
BF139209.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3700	E	89.9	310	380	ug/Kg
85-01-8	Phenanthrene	2000		97.7	150	200	ug/Kg
120-12-7	Anthracene	2000		98.2	150	200	ug/Kg
86-74-8	Carbazole	1800		93.4	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	2700		98.1	150	200	ug/Kg
206-44-0	Fluoranthene	2100		95	150	200	ug/Kg
92-87-5	Benzidine	1700		190	310	380	ug/Kg
129-00-0	Pyrene	1500		96.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2600		110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	1900		93.9	150	200	ug/Kg
218-01-9	Chrysene	2100		92.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2900		110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		94.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		96.1	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	2200		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		90.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		94.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		93.2	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		100	150	200	ug/Kg
123-91-1	1,4-Dioxane	1600		130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		86.9	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1700		96.8	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.864		18-112		55	SPK: -150
13127-88-3	Phenol-d6	80.509		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	65.7		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	58.043		20-109		58	SPK: -100

Report of Analysis

Client:		Date Collected:	8/27/2024 12:00:00 AM
Project:		Date Received:	8/27/2024 12:00:00 AM
Client Sample ID:	P-5-COMPOSITEMSD	SDG No.:	BF082824
Lab Sample ID:	P3767-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06 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
BF139209.D	1	8/28/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.541		10-116		56	SPK: -150
1718-51-0	Terphenyl-d14	46.084		10-105		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82776	6.893				
1146-65-2	Naphthalene-d8	308365	8.175				
15067-26-2	Acenaphthene-d10	163332	9.928				
1517-22-2	Phenanthrene-d10	232785	11.41				
1719-03-5	Chrysene-d12	169325	14.051				
1520-96-3	Perylene-d12	146847	15.521				

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082824
Lab Sample ID:	P3739-08	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
BF139210.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082824
Lab Sample ID:	P3739-08	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
BF139210.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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	22	J	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:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082824
Lab Sample ID:	P3739-08	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
BF139210.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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	49.6	J	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	134		10-139		89	SPK: -150
13127-88-3	Phenol-d6	118.697		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	117.657		49-133		118	SPK: -100
321-60-8	2-Fluorobiphenyl	99.025		52-132		99	SPK: -100

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF082824
Lab Sample ID:	P3739-08	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
BF139210.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	155.871		44-137		104	SPK: -150
1718-51-0	Terphenyl-d14	81.899		48-125		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86844	6.892				
1146-65-2	Naphthalene-d8	318576	8.169				
15067-26-2	Acenaphthene-d10	172929	9.922				
1517-22-2	Phenanthrene-d10	249097	11.41				
1719-03-5	Chrysene-d12	185375	14.045				
1520-96-3	Perylene-d12	166302	15.515				

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF082824
Lab Sample ID:	P3739-12	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139211.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF082824
Lab Sample ID:	P3739-12	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
BF139211.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF082824
Lab Sample ID:	P3739-12	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
BF139211.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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	130.947		10-139		87	SPK: -150
13127-88-3	Phenol-d6	115.47		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	112.382		49-133		112	SPK: -100
321-60-8	2-Fluorobiphenyl	98.054		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF082824
Lab Sample ID:	P3739-12	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
BF139211.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.828		44-137		98	SPK: -150
1718-51-0	Terphenyl-d14	77.944		48-125		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82517	6.892				
1146-65-2	Naphthalene-d8	306840	8.169				
15067-26-2	Acenaphthene-d10	162749	9.922				
1517-22-2	Phenanthrene-d10	238082	11.41				
1719-03-5	Chrysene-d12	188688	14.045				
1520-96-3	Perylene-d12	154609	15.515				

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF082824
Lab Sample ID:	P3739-16	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
BF139212.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF082824
Lab Sample ID:	P3739-16	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
BF139212.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF082824
Lab Sample ID:	P3739-16	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
BF139212.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

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	136.897		10-139		91	SPK: -150
13127-88-3	Phenol-d6	121.33		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	115.808		49-133		116	SPK: -100
321-60-8	2-Fluorobiphenyl	102.833		52-132		103	SPK: -100

Report of Analysis

Client:		Date Collected:	8/26/2024 12:00:00 AM
Project:		Date Received:	8/26/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF082824
Lab Sample ID:	P3739-16	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
BF139212.D	1	8/27/2024 12:00:00 AM	8/28/2024 12:00:00 AM	PB163031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	154.332		44-137		103	SPK: -150
1718-51-0	Terphenyl-d14	80.038		48-125		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85183	6.892				
1146-65-2	Naphthalene-d8	315105	8.169				
15067-26-2	Acenaphthene-d10	163890	9.922				
1517-22-2	Phenanthrene-d10	234273	11.41				
1719-03-5	Chrysene-d12	188831	14.045				
1520-96-3	Perylene-d12	155651	15.515				

Hit Summary Sheet SW-846

SDG No.: BF082824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFF-Waste Water								
P3731-02	EFF-Waste Water	Water	1-Hexanol, 2-ethyl-	*	20.000	J		
P3731-02	EFF-Waste Water	Water	Carbonic acid, 2-ethylhexyl octyl	*	66.400	J		
P3731-02	EFF-Waste Water	Water	Carbonic acid, 2-ethylhexyl tetrad	*	20.000	J		
P3731-02	EFF-Waste Water	Water	Hexanoic acid, 2-ethyl-	*	20.000	J		
P3731-02	EFF-Waste Water	Water	Oxiraneoctanoic acid, 3-octyl-, 2-	*	20.000	J		
Total Tics :					146.40			
Total Concentration:					146.40			
Client ID : WC-1								
P3739-08	WC-1	water	Benzidine		49.600	J	40.7	100 ug/L
P3739-08	WC-1	water	Dimethylphthalate		22.000	J	9.3	50 ug/L
Total Svoc :					71.60			
Total Concentration:					71.60			
Client ID : P-5-COMPOSITE								
P3767-01	P-5-COMPOSITE	Solid	1-Phenoxypropan-2-ol	*	150.000	J		
P3767-01	P-5-COMPOSITE	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	A		
P3767-01	P-5-COMPOSITE	Solid	Benzo[e]pyrene	*	120.000	J		
P3767-01	P-5-COMPOSITE	Solid	Butane, 2-methoxy-2-methyl-	*	2,200.000	J		
P3767-01	P-5-COMPOSITE	Solid	Carbonic acid, 2-ethylhexyl octad	*	96.300	J		
P3767-01	P-5-COMPOSITE	Solid	Cyclohexadecane	*	78.000	J		
P3767-01	P-5-COMPOSITE	Solid	Cyclopentadecane	*	160.000	J		
P3767-01	P-5-COMPOSITE	Solid	E-7-Octadecene	*	240.000	J		
P3767-01	P-5-COMPOSITE	Solid	Heptacosane	*	91.200	J		
P3767-01	P-5-COMPOSITE	Solid	n-Hexadecanoic acid	*	270.000	J		
P3767-01	P-5-COMPOSITE	Solid	Octadecanoic acid	*	100.000	J		
P3767-01	P-5-COMPOSITE	Solid	R-(-)-1,2-propanediol	*	120.000	J		
P3767-01	P-5-COMPOSITE	Solid	unknown10.022	*	150.000	J		
Total Tics :					3,945.50			
P3767-01	P-5-COMPOSITE	Solid	Benzo(a)anthracene		130.000	J	94	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Benzo(a)pyrene		140.000	J	110	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Benzo(b)fluoranthene		180.000	J	94.4	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Bis(2-ethylhexyl)phthalate		220.000		110	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Butylbenzylphthalate		190.000	J	110	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Chrysene		130.000	J	92.6	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Fluoranthene		220.000		95.1	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Phenanthrene		120.000	J	97.8	200 ug/Kg
P3767-01	P-5-COMPOSITE	Solid	Pyrene		160.000	J	96.6	200 ug/Kg
Total Svoc :					1,490.00			



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

Hit Summary Sheet
SW-846

SDG No.: BF082824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:					5,435.50			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082724 SAS No.: BF082724 SDG No.: BF082724
Instrument ID: _____ Calibration Date(s): 8/26/2024 : _____
Calibration Time(s): 15:33 _____

LAB FILE ID:		RRF2.5 = BF139164.D			RRF005 = BF139165.D		RRF010 = BF139166.D	
		RRF020 = BF139167.D			RRF040 = BF139168.D		RRF050 = BF139169.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.853	0.785	0.824	0.825	0.791	0.814	2.9
Pyridine		1.563	1.438	1.528	1.404	1.328	1.399	8.9
2-Fluorophenol		1.076	1.155	1.254	1.242	1.198	1.190	5.1
Benzaldehyde		1.251	1.210	1.167	1.004	0.909	1.022	18.8
Aniline		1.598	1.527	1.596	1.550	1.464	1.531	4.1
Phenol-d6		1.662	1.627	1.710	1.661	1.594	1.633	3.0
Phenol		1.617	1.663	1.731	1.702	1.608	1.649	3.5
bis(2-Chloroethyl)ether		1.405	1.315	1.326	1.249	1.233	1.299	4.9
2-Chlorophenol		0.945	1.053	1.195	1.208	1.173	1.131	8.7
1,2-Dichlorobenzene		1.567	1.487	1.475	1.401	1.317	1.408	7.6
1,3-Dichlorobenzene		1.647	1.527	1.546	1.497	1.418	1.491	6.3
1,4-Dichlorobenzene		1.666	1.547	1.537	1.486	1.420	1.496	6.5
Benzyl Alcohol		1.105	1.175	1.301	1.302	1.254	1.231	5.8
2-Methylphenol		1.028	1.012	1.089	1.041	1.013	1.031	2.8
2,2-oxybis(1-Chloropropane)		2.072	1.958	1.985	1.883	1.779	1.883	6.9
Acetophenone		0.543	0.534	0.532	0.526	0.488	0.514	5.0
3+4-Methylphenols		1.295	1.338	1.410	1.363	1.279	1.315	4.6
n-Nitroso-di-n-propylamine	0.877	0.988	1.008	1.046	1.013	0.958	0.977	5.3
Nitrobenzene-d5			0.241	0.328	0.390	0.385	0.361	18.3
Hexachloroethane		0.421	0.439	0.488	0.497	0.482	0.473	6.5
Nitrobenzene		0.204	0.279	0.368	0.427	0.411	0.365	24.6
Isophorone		0.729	0.709	0.733	0.739	0.685	0.714	2.9
2-Nitrophenol		0.040	0.056	0.083	0.116	0.126	0.102	42.3
2,4-Dimethylphenol		0.183	0.199	0.220	0.224	0.216	0.212	7.0
bis(2-Chloroethoxy)methane		0.424	0.418	0.432	0.428	0.395	0.413	4.0
2,4-Dichlorophenol		0.183	0.231	0.279	0.296	0.277	0.261	15.3
1,2,4-Trichlorobenzene		0.355	0.342	0.350	0.346	0.317	0.337	4.6
Benzoic acid			0.079	0.108	0.161	0.167	0.152	32.5
Naphthalene		1.094	1.045	1.066	1.049	0.966	1.023	5.3
4-Chloroaniline		0.358	0.352	0.371	0.361	0.341	0.352	3.5
Hexachlorobutadiene		0.224	0.222	0.226	0.229	0.209	0.219	3.9
Caprolactam			0.060	0.078	0.088	0.084	0.080	13.3
4-Chloro-3-methylphenol		0.251	0.289	0.310	0.325	0.302	0.300	8.1
2-Methylnaphthalene		0.675	0.664	0.676	0.662	0.600	0.641	5.6
Hexachlorocyclopentadiene			0.141	0.180	0.208	0.199	0.190	14.1
2,4,6-Trichlorophenol		0.211	0.275	0.343	0.390	0.358	0.332	19.6

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.: BF082724 SAS No.: BF082724 SDG No.: BF082724
Instrument ID: _____ Calibration Date(s): 8/26/2024 : _____
Calibration Time(s): 15:33 _____

LAB FILE ID:		RRF2.5 = BF139164.D		RRF005 = BF139165.D		RRF010 = BF139166.D		
		RRF020 = BF139167.D		RRF040 = BF139168.D		RRF050 = BF139169.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.443	1.347	1.363	1.317	1.186	1.288	8.4
2,4,5-Trichlorophenol		0.232	0.289	0.368	0.400	0.377	0.348	18.1
1,1-Biphenyl		1.554	1.489	1.523	1.504	1.353	1.448	6.3
2-Chloronaphthalene		1.242	1.173	1.205	1.205	1.079	1.155	6.0
2-Nitroaniline		0.105	0.153	0.240	0.325	0.330	0.268	38.7
Dimethylphthalate		0.987	1.139	1.234	1.254	1.149	1.155	7.6
Acenaphthylene		1.709	1.642	1.709	1.701	1.541	1.627	5.3
2,6-Dinitrotoluene		0.070	0.120	0.183	0.248	0.240	0.197	38.5
3-Nitroaniline		0.087	0.140	0.194	0.253	0.251	0.207	33.6
Acenaphthene		1.114	1.075	1.102	1.112	1.014	1.069	4.1
2,4-Dinitrophenol			0.037	0.055	0.080	0.088	0.080	37.3
4-Nitrophenol			0.107	0.160	0.202	0.197	0.181	22.7
Dibenzofuran		1.674	1.614	1.647	1.612	1.465	1.560	6.5
2,4-Dinitrotoluene		0.085	0.132	0.217	0.301	0.307	0.244	41.4
Diethylphthalate		0.905	1.053	1.181	1.200	1.088	1.088	9.0
4-Chlorophenyl-phenylether		0.664	0.631	0.643	0.626	0.554	0.604	7.9
Fluorene		1.331	1.273	1.307	1.274	1.145	1.231	6.9
4-Nitroaniline		0.107	0.161	0.223	0.267	0.252	0.219	28.4
4,6-Dinitro-2-methylphenol			0.030	0.044	0.070	0.075	0.067	38.0
n-Nitrosodiphenylamine		0.623	0.598	0.606	0.612	0.557	0.592	4.0
Azobenzene		1.369	1.329	1.379	1.389	1.262	1.323	4.6
2,4,6-Tribromophenol			0.128	0.164	0.187	0.177	0.171	13.5
4-Bromophenyl-phenylether		0.226	0.211	0.217	0.218	0.202	0.213	3.9
Hexachlorobenzene		0.244	0.231	0.233	0.237	0.216	0.230	3.9
Atrazine		0.113	0.147	0.154	0.139	0.126	0.129	14.2
Pentachlorophenol			0.096	0.124	0.146	0.143	0.135	15.8
Phenanthrene		1.086	1.053	1.034	1.039	0.950	1.011	5.7
Anthracene		1.051	1.016	1.016	1.013	0.930	0.985	5.2
Carbazole		0.945	0.915	0.921	0.917	0.826	0.881	6.5
Di-n-butylphthalate		0.554	0.693	0.824	0.882	0.802	0.764	14.4
Fluoranthene		1.076	1.070	1.059	1.022	0.903	0.981	10.2
Benzidine		0.281	0.280	0.320	0.379	0.357	0.337	15.6
Pyrene		1.872	1.881	1.984	2.070	1.845	1.879	6.9
Terphenyl-d14		1.319	1.321	1.377	1.380	1.230	1.282	7.8
Butylbenzylphthalate		0.138	0.207	0.315	0.396	0.369	0.318	33.2
3,3-Dichlorobenzidine		0.203	0.272	0.324	0.336	0.308	0.309	18.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082724 SAS No.: BF082724 SDG No.: BF082724
Instrument ID: _____ Calibration Date(s): 8/26/2024 : _____
Calibration Time(s): 15:33 _____

LAB FILE ID:		RRF2.5 = BF139164.D			RRF005 = BF139165.D		RRF010 = BF139166.D	
		RRF020 = BF139167.D			RRF040 = BF139168.D		RRF050 = BF139169.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.378	1.294	1.408	1.380	1.238	1.325	4.8
Chrysene		1.187	1.260	1.198	1.252	1.140	1.195	4.1
Bis(2-ethylhexyl)phthalate		0.153	0.214	0.328	0.432	0.396	0.349	35.5
Di-n-octyl phthalate			0.373	0.570	0.831	0.818	0.752	31.4
Benzo(b)fluoranthene		1.160	1.153	1.289	1.183	1.072	1.170	6.2
Benzo(k)fluoranthene		1.208	1.111	1.002	1.077	1.035	1.058	7.8
Benzo(a)pyrene		0.951	0.965	1.027	1.038	0.970	0.993	3.4
Indeno(1,2,3-cd)pyrene		1.331	1.340	1.405	1.413	1.338	1.368	2.8
Dibenzo(a,h)anthracene		1.102	1.106	1.159	1.154	1.095	1.121	2.7
Benzo(g,h,i)perylene		1.136	1.162	1.194	1.196	1.139	1.159	2.8
1,2,4,5-Tetrachlorobenzene		0.627	0.608	0.620	0.618	0.556	0.593	5.5
1,4-Dioxane		0.593	0.569	0.577	0.561	0.547	0.563	3.4
2,3,4,6-Tetrachlorophenol		0.185	0.233	0.292	0.324	0.297	0.279	18.2
1-Methylnaphthalene		0.668	0.642	0.661	0.647	0.591	0.627	5.8

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.: BF082824 SAS No.: BF082824 SDG NO.: BF082824

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BF139168.D Time Analyzed: 10:37

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	105569	6.892	374928	8.18	205270	9.93
UPPER LIMIT	211138	7.392	749856	8.675	410540	10.428
LOWER LIMIT	52784.5	6.392	187464	7.675	102635	9.428
EPA SAMPLE NO.						
01 PB162991TB	121107	6.89	464556	8.17	277722	9.92
02 PB163034BS	103223	6.89	391077	8.18	212799	9.93
03 PB163034BSD	105164	6.89	395427	8.18	218164	9.93
04 PB163034BL	101009	6.89	390186	8.17	218096	9.92
05 EFF-Waste Water	74802	6.89	258700	8.22	137381	9.93
06 S-929-K1-SO-0-0.5-082024MS	82034	6.89	302933	8.18	175605	9.93
07 S-929-K1-SO-0-0.5-082024MSD	78910	6.89	303711	8.18	173500	9.93
08 P-5-COMPOSITE	84219	6.89	318115	8.18	174944	9.92
09 P-5-COMPOSITEMS	86887	6.89	316589	8.18	169707	9.93
10 P-5-COMPOSITEMS	82776	6.89	308365	8.18	163332	9.93
11 WC-1	86844	6.89	318576	8.17	172929	9.92
12 WC-2	82517	6.89	306840	8.17	162749	9.92
13 WC-3	85183	6.89	315105	8.17	163890	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF082824 SAS No.: BF082824 SDG NO.: BF082824

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BF139199.D Time Analyzed: 10:37

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	92923	6.892	340348	8.18	192848	9.93
UPPER LIMIT	185846	7.392	680696	8.675	385696	10.427
LOWER LIMIT	46461.5	6.392	170174	7.675	96424	9.427
EPA SAMPLE NO.						
01 PB162991TB	121107	6.89	464556	8.17	277722	9.92
02 PB163034BS	103223	6.89	391077	8.18	212799	9.93
03 PB163034BSD	105164	6.89	395427	8.18	218164	9.93
04 PB163034BL	101009	6.89	390186	8.17	218096	9.92
05 EFF-Waste Water	74802	6.89	258700	8.22	137381	9.93
06 S-929-K1-SO-0-0.5-082024MS	82034	6.89	302933	8.18	175605	9.93
07 S-929-K1-SO-0-0.5-082024MSD	78910	6.89	303711	8.18	173500	9.93
08 P-5-COMPOSITE	84219	6.89	318115	8.18	174944	9.92
09 P-5-COMPOSITEMS	86887	6.89	316589	8.18	169707	9.93
10 P-5-COMPOSITEMS	82776	6.89	308365	8.18	163332	9.93
11 WC-1	86844	6.89	318576	8.17	172929	9.92
12 WC-2	82517	6.89	306840	8.17	162749	9.92
13 WC-3	85183	6.89	315105	8.17	163890	9.92

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.: BF082824 SAS No.: BF082824 SDG NO.: BF082824

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BF139168.D Time Analyzed: 10:37

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	356452	11.41	176881	14.051	192777	15.521
UPPER LIMIT	712904	11.91	353762	14.551	385554	16.021
LOWER LIMIT	178226	10.91	88440.5	13.551	96388.5	15.021
EPA SAMPLE NO.						
01 PB162991TB	496912	11.41	293090	14.05	211523	15.52
02 PB163034BS	388796	11.42	197039	14.05	190668	15.52
03 PB163034BSD	395038	11.42	193809	14.05	187033	15.52
04 PB163034BL	419256	11.41	231629	14.05	168770	15.52
05 EFF-Waste Water	203685	11.41	174744	14.05	180200	15.53
06 S-929-K1-SO-0-0.5-082024MS	285346	11.41	154491	14.05	187877	15.52
07 S-929-K1-SO-0-0.5-082024MSI	279469	11.41	158339	14.05	186597	15.52
08 P-5-COMPOSITE	254267	11.41	175144	14.05	168948	15.52
09 P-5-COMPOSITEMS	244189	11.41	170859	14.05	150694	15.52
10 P-5-COMPOSITMSD	232785	11.41	169325	14.05	146847	15.52
11 WC-1	249097	11.41	185375	14.05	166302	15.52
12 WC-2	238082	11.41	188688	14.05	154609	15.52
13 WC-3	234273	11.41	188831	14.05	155651	15.52

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.: BF082824 SAS No.: BF082824 SDG NO.: BF082824

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 28 2024 12:00AM

Lab File ID: BF139199.D Time Analyzed: 10:37

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	338473	11.41	172984	14.045	177987	15.515
UPPER LIMIT	676946	11.91	345968	14.545	355974	16.015
LOWER LIMIT	169236.5	10.91	86492	13.545	88993.5	15.015
EPA SAMPLE NO.						
01 PB162991TB	496912	11.41	293090	14.05	211523	15.52
02 PB163034BS	388796	11.42	197039	14.05	190668	15.52
03 PB163034BSD	395038	11.42	193809	14.05	187033	15.52
04 PB163034BL	419256	11.41	231629	14.05	168770	15.52
05 EFF-Waste Water	203685	11.41	174744	14.05	180200	15.53
06 S-929-K1-SO-0-0.5-082024MS	285346	11.41	154491	14.05	187877	15.52
07 S-929-K1-SO-0-0.5-082024MSI	279469	11.41	158339	14.05	186597	15.52
08 P-5-COMPOSITE	254267	11.41	175144	14.05	168948	15.52
09 P-5-COMPOSITEMS	244189	11.41	170859	14.05	150694	15.52
10 P-5-COMPOSITMSD	232785	11.41	169325	14.05	146847	15.52
11 WC-1	249097	11.41	185375	14.05	166302	15.52
12 WC-2	238082	11.41	188688	14.05	154609	15.52
13 WC-3	234273	11.41	188831	14.05	155651	15.52

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.: **BF082824**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163034BS	n-Nitrosodimethylamine	50	44.8	ug/L	90				52	110	
	Pyridine	50	40.6	ug/L	81				55	145	
	Benzaldehyde	50	5.1	ug/L	10				10	110	
	Aniline	50	41.7	ug/L	83				50	150	
	Phenol	50	51.5	ug/L	103				48	130	
	bis(2-Chloroethyl)ether	50	48.7	ug/L	97				52	130	
	2-Chlorophenol	50	55.1	ug/L	110				55	130	
	1,2-Dichlorobenzene	50	46.1	ug/L	92				32	129	
	1,3-Dichlorobenzene	50	45	ug/L	90				1	172	
	1,4-Dichlorobenzene	50	45.3	ug/L	91				20	124	
	Benzyl Alcohol	50	52.9	ug/L	106				10	156	
	2-Methylphenol	50	51	ug/L	102				15	153	
	2,2-oxybis(1-Chloropropane)	50	48.9	ug/L	98				63	139	
	Acetophenone	50	45.9	ug/L	92				21	128	
	3+4-Methylphenols	50	50.3	ug/L	101				10	156	
	N-Nitroso-di-n-propylamine	50	52.3	ug/L	105				59	170	
	Hexachloroethane	50	51.7	ug/L	103				55	130	
	Nitrobenzene	50	47.3	ug/L	95				54	158	
	Isophorone	50	50.5	ug/L	101				52	180	
	2-Nitrophenol	50	59.8	ug/L	120				61	163	
	2,4-Dimethylphenol	50	71.5	ug/L	143		*		58	130	
	bis(2-Chloroethoxy)methane	50	48.4	ug/L	97				52	164	
	2,4-Dichlorophenol	50	53.4	ug/L	107				64	130	
	1,2,4-Trichlorobenzene	50	45.6	ug/L	91				44	142	
	Benzoic acid	50	51.6	ug/L	103				10	159	
	Naphthalene	50	45.7	ug/L	91				70	130	
	4-Chloroaniline	50	27.9	ug/L	56				10	126	
	Hexachlorobutadiene	50	45.3	ug/L	91				68	130	
	Caprolactam	50	54.4	ug/L	109				10	160	
	4-Chloro-3-methylphenol	50	51.9	ug/L	104				68	130	
	2-Methylnaphthalene	50	47.1	ug/L	94				25	124	
	Hexachlorocyclopentadiene	100	200	ug/L	200		*		21	137	
	2,4,6-Trichlorophenol	50	58.6	ug/L	117				69	130	
	2,4,5-Trichlorophenol	50	57.3	ug/L	115		*		74	100	
	1,1-Biphenyl	50	47.6	ug/L	95				20	125	
	2-Chloronaphthalene	50	47.1	ug/L	94				70	130	
	2-Nitroaniline	50	55.4	ug/L	111				61	112	
	Dimethylphthalate	50	55.5	ug/L	111				50	130	
	Acenaphthylene	50	50.9	ug/L	102				60	130	
	2,6-Dinitrotoluene	50	56.7	ug/L	113				68	137	
	3-Nitroaniline	50	40.2	ug/L	80				35	106	
	Acenaphthene	50	57.1	ug/L	114				70	130	
	Total PAH	800	819.5	ug/L	102				70	130	
	2,4-Dinitrophenol	100	110	ug/L	110				39	173	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF082824**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB163034BS	4-Nitrophenol	100	110	ug/L	110				35	130	
	Dibenzofuran	50	49.9	ug/L	100				29	125	
	2,4-Dinitrotoluene	50	57.7	ug/L	115				53	130	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	114.4	ug/L	114				53	130	
	Diethylphthalate	50	56.2	ug/L	112				47	130	
	4-Chlorophenyl-phenylether	50	49.9	ug/L	100				57	145	
	Fluorene	50	49.2	ug/L	98				70	130	
	4-Nitroaniline	50	52.7	ug/L	105		*		69	101	
	4,6-Dinitro-2-methylphenol	50	63.1	ug/L	126				56	130	
	N-Nitrosodiphenylamine	50	48.7	ug/L	97				63	100	
	Azobenzene	50	50.9	ug/L	102				58	105	
	4-Bromophenyl-phenylether	50	50.1	ug/L	100				70	130	
	Hexachlorobenzene	50	48.6	ug/L	97				38	142	
	Atrazine	50	70.9	ug/L	142		*		51	130	
	Pentachlorophenol	100	100	ug/L	100				42	152	
	Phenanthrene	50	48.8	ug/L	98				67	130	
	Anthracene	50	49.8	ug/L	100				58	130	
	Carbazole	50	47.9	ug/L	96				60	125	
	Di-n-butylphthalate	50	61.1	ug/L	122				52	130	
	Fluoranthene	50	49.1	ug/L	98				47	130	
	Benzidine	100	30.8	ug/L	31				10	133	
	Pyrene	50	49.5	ug/L	99				70	130	
	Butylbenzylphthalate	50	63.2	ug/L	126				43	140	
	3,3-Dichlorobenzidine	50	50.9	ug/L	102				18	213	
	Benzo(a)anthracene	50	49.3	ug/L	99				42	133	
	Chrysene	50	49.7	ug/L	99				44	140	
	bis(2-Ethylhexyl)phthalate	50	65.3	ug/L	131				43	137	
	Di-n-octyl phthalate	50	59.4	ug/L	119				21	132	
	Benzo(b)fluoranthene	50	53.8	ug/L	108				42	140	
	Benzo(k)fluoranthene	50	55.4	ug/L	111				25	146	
	Benzo(a)pyrene	50	53.9	ug/L	108				32	148	
	Indeno(1,2,3-cd)pyrene	50	52.7	ug/L	105				13	151	
	Dibenz(a,h)anthracene	50	53.5	ug/L	107				13	200	
	Benzo(g,h,i)perylene	50	51.1	ug/L	102				13	195	
	1,2,4,5-Tetrachlorobenzene	50	47.4	ug/L	95				70	130	
	2,3,4,6-Tetrachlorophenol	50	62.1	ug/L	124				70	130	
	1,4-Dioxane	50	38.2	ug/L	76				70	130	
PB163034BSD	n-Nitrosodimethylamine	50	44.4	ug/L	89	1			52	110	20
	Pyridine	50	40	ug/L	80	1			55	145	20
	Benzaldehyde	50	4.8	ug/L	10	6			10	110	20
	Aniline	50	40.8	ug/L	82	2			50	150	20
	Phenol	50	50.7	ug/L	101	2			48	130	20
	bis(2-Chloroethyl)ether	50	47.6	ug/L	95	2			52	130	20
	2-Chlorophenol	50	54.3	ug/L	109	1			55	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF082824**

Client: _____

Analytical Method: **625.1**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB163034BSD	1,2-Dichlorobenzene	50	45.8	ug/L	92	1			32	129	20
	1,3-Dichlorobenzene	50	44.5	ug/L	89	1			1	172	20
	1,4-Dichlorobenzene	50	45.2	ug/L	90	0			20	124	20
	Benzyl Alcohol	50	52.7	ug/L	105	0			10	156	20
	2-Methylphenol	50	50.7	ug/L	101	1			15	153	20
	2,2-oxybis(1-Chloropropane)	50	48.4	ug/L	97	1			63	139	20
	Acetophenone	50	45.8	ug/L	92	0			21	128	20
	3+4-Methylphenols	50	49.9	ug/L	100	1			10	156	20
	N-Nitroso-di-n-propylamine	50	51.6	ug/L	103	1			59	170	20
	Hexachloroethane	50	51.4	ug/L	103	1			55	130	20
	Nitrobenzene	50	47.9	ug/L	96	1			54	158	20
	Isophorone	50	50.4	ug/L	101	0			52	180	20
	2-Nitrophenol	50	59.8	ug/L	120	0			61	163	20
	2,4-Dimethylphenol	50	72.2	ug/L	144	1	*		58	130	20
	bis(2-Chloroethoxy)methane	50	48.8	ug/L	98	1			52	164	20
	2,4-Dichlorophenol	50	54.1	ug/L	108	1			64	130	20
	1,2,4-Trichlorobenzene	50	45.7	ug/L	91	0			44	142	20
	Benzoic acid	50	54	ug/L	108	5			10	159	20
	Naphthalene	50	45.8	ug/L	92	0			70	130	20
	4-Chloroaniline	50	26	ug/L	52	7			10	126	20
	Hexachlorobutadiene	50	44.9	ug/L	90	1			68	130	20
	Caprolactam	50	55.5	ug/L	111	2			10	160	20
	4-Chloro-3-methylphenol	50	52	ug/L	104	0			68	130	20
	2-Methylnaphthalene	50	46.7	ug/L	93	1			25	124	20
	Hexachlorocyclopentadiene	100	200	ug/L	200	0	*		21	137	20
	2,4,6-Trichlorophenol	50	58	ug/L	116	1			69	130	20
	2,4,5-Trichlorophenol	50	57	ug/L	114	1	*		74	100	20
	1,1-Biphenyl	50	47.2	ug/L	94	1			20	125	20
	2-Chloronaphthalene	50	46.6	ug/L	93	1			70	130	20
	2-Nitroaniline	50	55	ug/L	110	1			61	112	20
	Dimethylphthalate	50	55.1	ug/L	110	1			50	130	20
	Acenaphthylene	50	50.4	ug/L	101	1			60	130	20
	2,6-Dinitrotoluene	50	56	ug/L	112	1			68	137	20
	3-Nitroaniline	50	39.7	ug/L	79	1			35	106	20
	Acenaphthene	50	55.8	ug/L	112	2			70	130	20
	Total PAH	800	820	ug/L	103	0			70	130	20
	2,4-Dinitrophenol	100	110	ug/L	110	0			39	173	20
	4-Nitrophenol	100	110	ug/L	110	0			35	130	20
	Dibenzofuran	50	48.8	ug/L	98	2			29	125	20
	2,4-Dinitrotoluene	50	57.4	ug/L	115	1			53	130	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	113.4	ug/L	113	1			53	130	20
	Diethylphthalate	50	55.5	ug/L	111	1			47	130	20
	4-Chlorophenyl-phenylether	50	48.6	ug/L	97	3			57	145	20
	Fluorene	50	48.4	ug/L	97	2			70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF082824**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163034BSD	4-Nitroaniline	50	51.7	ug/L	103	2	*		69	101		20
	4,6-Dinitro-2-methylphenol	50	63.2	ug/L	126	0			56	130		20
	N-Nitrosodiphenylamine	50	48.2	ug/L	96	1			63	100		20
	Azobenzene	50	50.1	ug/L	100	2			58	105		20
	4-Bromophenyl-phenylether	50	48.5	ug/L	97	3			70	130		20
	Hexachlorobenzene	50	48.1	ug/L	96	1			38	142		20
	Atrazine	50	70.7	ug/L	141	0	*		51	130		20
	Pentachlorophenol	100	100	ug/L	100	0			42	152		20
	Phenanthrene	50	48.5	ug/L	97	1			67	130		20
	Anthracene	50	49.7	ug/L	99	0			58	130		20
	Carbazole	50	47.2	ug/L	94	1			60	125		20
	Di-n-butylphthalate	50	60.6	ug/L	121	1			52	130		20
	Fluoranthene	50	48.4	ug/L	97	1			47	130		20
	Benzidine	100	32.2	ug/L	32	4			10	133		20
	Pyrene	50	50.2	ug/L	100	1			70	130		20
	Butylbenzylphthalate	50	62.5	ug/L	125	1			43	140		20
	3,3-Dichlorobenzidine	50	49.9	ug/L	100	2			18	213		20
	Benzo(a)anthracene	50	48.9	ug/L	98	1			42	133		20
	Chrysene	50	49.2	ug/L	98	1			44	140		20
	bis(2-Ethylhexyl)phthalate	50	63.4	ug/L	127	3			43	137		20
	Di-n-octyl phthalate	50	58.5	ug/L	117	2			21	132		20
	Benzo(b)fluoranthene	50	52.6	ug/L	105	2			42	140		20
	Benzo(k)fluoranthene	50	56.3	ug/L	113	2			25	146		20
	Benzo(a)pyrene	50	54.4	ug/L	109	1			32	148		20
	Indeno(1,2,3-cd)pyrene	50	53.9	ug/L	108	2			13	151		20
	Dibenz(a,h)anthracene	50	55.1	ug/L	110	3			13	200		20
	Benzo(g,h,i)perylene	50	52.4	ug/L	105	3			13	195		20
	1,2,4,5-Tetrachlorobenzene	50	46.2	ug/L	92	3			70	130		20
	2,3,4,6-Tetrachlorophenol	50	61.5	ug/L	123	1			70	130		20
	1,4-Dioxane	50	36.7	ug/L	73	4			70	130		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

S-929-K1-SO-0-0.5-0

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082824

SAS No.: BF082824 SDG NO.: BF082824

Lab File ID: BF139205.D

Lab Sample ID: P3707-02MS

Instrument ID: BNA_F

Date Extracted: 08/23/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/28/2024

Level: (low/med) LOW

Time Analyzed: 13:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
S-929-K1-SO-0-0.5-082024MS	P3707-02MS	BF139205.D	08/28/2024
S-929-K1-SO-0-0.5-082024MSD	P3707-03MSD	BF139206.D	08/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

P-5-COMPOSITE

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082824

SAS No.: BF082824 SDG NO.: BF082824

Lab File ID: BF139207.D

Lab Sample ID: P3767-01

Instrument ID: BNA_F

Date Extracted: 08/28/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/28/2024

Level: (low/med) LOW

Time Analyzed: 14:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
P-5-COMPOSITE	P3767-01	BF139207.D	08/28/2024
P-5-COMPOSITEMS	P3767-01MS	BF139208.D	08/28/2024
P-5-COMPOSITEMSD	P3767-01MSD	BF139209.D	08/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WC-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082824

SAS No.: BF082824 SDG NO.: BF082824

Lab File ID: BF139210.D

Lab Sample ID: P3739-08

Instrument ID: BNA_F

Date Extracted: 08/27/2024

Matrix: (soil/water) water

Date Analyzed: 08/28/2024

Level: (low/med) LOW

Time Analyzed: 16:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-1	P3739-08	BF139210.D	08/28/2024
WC-2	P3739-12	BF139211.D	08/28/2024
WC-3	P3739-16	BF139212.D	08/28/2024
PB162991TB	PB162991TB	BF139200.D	08/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163034BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082824

SAS No.: BF082824 SDG NO.: BF082824

Lab File ID: BF139203.D

Lab Sample ID: PB163034BL

Instrument ID: BNA_F

Date Extracted: 08/27/2024

Matrix: (soil/water) Water

Date Analyzed: 08/28/2024

Level: (low/med) LOW

Time Analyzed: 12:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EFF-Waste Water	P3731-02	BF139204.D	08/28/2024
PB163034BS	PB163034BS	BF139201.D	08/28/2024
PB163034BSD	PB163034BSD	BF139202.D	08/28/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3767-01MS		Client Sample ID: P-5-COMPOSITEMS		DataFile: BF139208.D							
n-Nitrosodimethylamine	1900		1700	ug/Kg	89				66	124	
Pyridine	1900		1700	ug/Kg	89				45	119	
Benzaldehyde	1900		940	ug/Kg	49				10	86	
Aniline	1900		1200	ug/Kg	63				10	88	
Phenol	1900		1900	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1900		1800	ug/Kg	95				54	125	
2-Chlorophenol	1900		2000	ug/Kg	105				79	107	
1,2-Dichlorobenzene	1900		1700	ug/Kg	89				61	105	
1,3-Dichlorobenzene	1900		1700	ug/Kg	89				62	101	
1,4-Dichlorobenzene	1900		1700	ug/Kg	89				63	104	
Benzyl Alcohol	1900		2000	ug/Kg	105				47	126	
2-Methylphenol	1900		1800	ug/Kg	95				66	122	
2,2-oxybis(1-Chloropropane)	1900		1800	ug/Kg	95				65	110	
Acetophenone	1900		1800	ug/Kg	95				75	111	
3+4-Methylphenols	1900		1900	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1900		1900	ug/Kg	100				59	119	
Hexachloroethane	1900		1900	ug/Kg	100				65	117	
Nitrobenzene	1900		1800	ug/Kg	95				70	119	
Isophorone	1900		1900	ug/Kg	100				76	122	
2-Nitrophenol	1900		2300	ug/Kg	121				54	145	
2,4-Dimethylphenol	1900		2400	ug/Kg	126				44	135	
bis(2-Chloroethoxy)methane	1900		1800	ug/Kg	95				68	112	
2,4-Dichlorophenol	1900		2000	ug/Kg	105				72	118	
1,2,4-Trichlorobenzene	1900		1700	ug/Kg	89				57	103	
Benzoic acid	1900		1500	ug/Kg	79				50	104	
Naphthalene	1900		1800	ug/Kg	95				72	110	
4-Chloroaniline	1900		520	ug/Kg	27				10	91	
Hexachlorobutadiene	1900		1700	ug/Kg	89				66	114	
Caprolactam	1900		1900	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1900		1900	ug/Kg	100				57	132	
2-Methylnaphthalene	1900		1800	ug/Kg	95				59	123	
Hexachlorocyclopentadiene	3900		5400	ug/Kg	138				10	175	
2,4,6-Trichlorophenol	1900		2100	ug/Kg	111				72	117	
2,4,5-Trichlorophenol	1900		2000	ug/Kg	105				72	117	
1,1-Biphenyl	1900		1800	ug/Kg	95				75	113	
2-Chloronaphthalene	1900		1800	ug/Kg	95				67	118	
2-Nitroaniline	1900		2000	ug/Kg	105				69	127	
Dimethylphthalate	1900		2100	ug/Kg	111				70	113	
Acenaphthylene	1900		1900	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1900		2000	ug/Kg	105				70	125	
3-Nitroaniline	1900		1300	ug/Kg	68				30	99	
Acenaphthene	1900		1900	ug/Kg	100				70	121	
Total PAH	30400	0	29200	ug/Kg	96				70	121	
2,4-Dinitrophenol	3900		2600	ug/Kg	67				10	155	
4-Nitrophenol	3900		2900	ug/Kg	74				45	133	
Dibenzofuran	1900		1800	ug/Kg	95				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		4000	ug/Kg	105				55	128	
2,4-Dinitrotoluene	1900		2000	ug/Kg	105				55	128	
Diethylphthalate	1900		2000	ug/Kg	105				70	112	
4-Chlorophenyl-phenylether	1900		1800	ug/Kg	95				71	108	
Fluorene	1900		1700	ug/Kg	89				68	116	
4-Nitroaniline	1900		1500	ug/Kg	79				55	120	
4,6-Dinitro-2-methylphenol	1900		1900	ug/Kg	100				10	160	
N-Nitrosodiphenylamine	1900		2100	ug/Kg	111				73	118	
Azobenzene	1900		1800	ug/Kg	95				73	110	
4-Bromophenyl-phenylether	1900		2000	ug/Kg	105				65	121	
Hexachlorobenzene	1900		2000	ug/Kg	105				67	118	
Atrazine	1900		2900	ug/Kg	153	*			79	127	
Pentachlorophenol	3900		3500	ug/Kg	90				47	128	
Phenanthrene	1900	120	2000	ug/Kg	99				52	128	
Anthracene	1900		2000	ug/Kg	105				62	124	
Carbazole	1900		1700	ug/Kg	89				59	119	
Di-n-butylphthalate	1900		2500	ug/Kg	132	*			69	118	
Fluoranthene	1900	220	2000	ug/Kg	93				44	125	
Benzydine	3900		1500	ug/Kg	38				10	119	
Pyrene	1900	160	1500	ug/Kg	71				26	142	
Butylbenzylphthalate	1900	190	2600	ug/Kg	127	*			64	126	
3,3-Dichlorobenzidine	1900		1600	ug/Kg	84				33	116	
Benzo(a)anthracene	1900	120	1900	ug/Kg	93				71	114	
Chrysene	1900	130	2100	ug/Kg	104				57	121	
bis(2-Ethylhexyl)phthalate	1900	220	2900	ug/Kg	141				42	169	
Di-n-octyl phthalate	1900		2500	ug/Kg	132				23	175	
Benzo(b)fluoranthene	1900	180	2300	ug/Kg	112				67	121	
Benzo(k)fluoranthene	1900	0	2000	ug/Kg	105				57	134	
Benzo(a)pyrene	1900	130	2200	ug/Kg	109				70	142	
Indeno(1,2,3-cd)pyrene	1900		1400	ug/Kg	74				40	129	
Dibenz(a,h)anthracene	1900		1300	ug/Kg	68				43	123	
Benzo(g,h,i)perylene	1900	99.8	1200	ug/Kg	58				24	125	
1,2,4,5-Tetrachlorobenzene	1900		1800	ug/Kg	95				69	124	
1,4-Dioxane	1900		1500	ug/Kg	79				46	112	
2,3,4,6-Tetrachlorophenol	1900		2000	ug/Kg	105				69	112	
1-Methylnaphthalene	1900		1700	ug/Kg	89				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3767-01MSD		Client Sample ID: P-5-COMPOSITMSD		DataFile: BF139209.D							
n-Nitrosodimethylamine	1900		1800	ug/Kg	95		7		66	124	20
Pyridine	1900		1800	ug/Kg	95		7		45	119	20
Benzaldehyde	1900		980	ug/Kg	52		6		10	86	20
Aniline	1900		1200	ug/Kg	63		0		10	88	20
Phenol	1900		2000	ug/Kg	105		5		67	126	20
bis(2-Chloroethyl)ether	1900		1900	ug/Kg	100		5		54	125	20
2-Chlorophenol	1900		2100	ug/Kg	111	*	6		79	107	20
1,2-Dichlorobenzene	1900		1800	ug/Kg	95		7		61	105	20
1,3-Dichlorobenzene	1900		1800	ug/Kg	95		7		62	101	20
1,4-Dichlorobenzene	1900		1800	ug/Kg	95		7		63	104	20
Benzyl Alcohol	1900		2100	ug/Kg	111		6		47	126	20
2-Methylphenol	1900		2000	ug/Kg	105		10		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1900	ug/Kg	100		5		65	110	20
Acetophenone	1900		1800	ug/Kg	95		0		75	111	20
3+4-Methylphenols	1900		1900	ug/Kg	100		0		66	104	20
N-Nitroso-di-n-propylamine	1900		2000	ug/Kg	105		5		59	119	20
Hexachloroethane	1900		2000	ug/Kg	105		5		65	117	20
Nitrobenzene	1900		1900	ug/Kg	100		5		70	119	20
Isophorone	1900		1900	ug/Kg	100		0		76	122	20
2-Nitrophenol	1900		2300	ug/Kg	121		0		54	145	20
2,4-Dimethylphenol	1900		2400	ug/Kg	126		0		44	135	20
bis(2-Chloroethoxy)methane	1900		1900	ug/Kg	100		5		68	112	20
2,4-Dichlorophenol	1900		2000	ug/Kg	105		0		72	118	20
1,2,4-Trichlorobenzene	1900		1700	ug/Kg	89		0		57	103	20
Benzoic acid	1900		1500	ug/Kg	79		0		50	104	20
Naphthalene	1900		1800	ug/Kg	95		0		72	110	20
4-Chloroaniline	1900		560	ug/Kg	29		7		10	91	20
Hexachlorobutadiene	1900		1800	ug/Kg	95		7		66	114	20
Caprolactam	1900		2000	ug/Kg	105		5		51	134	20
4-Chloro-3-methylphenol	1900		1900	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1900		1800	ug/Kg	95		0		59	123	20
Hexachlorocyclopentadiene	3900		5100	ug/Kg	131		5		10	175	20
2,4,6-Trichlorophenol	1900		2200	ug/Kg	116		4		72	117	20
2,4,5-Trichlorophenol	1900		2100	ug/Kg	111		6		72	117	20
1,1-Biphenyl	1900		1900	ug/Kg	100		5		75	113	20
2-Chloronaphthalene	1900		1800	ug/Kg	95		0		67	118	20
2-Nitroaniline	1900		2000	ug/Kg	105		0		69	127	20
Dimethylphthalate	1900		2100	ug/Kg	111		0		70	113	20
Acenaphthylene	1900		2000	ug/Kg	105		5		79	118	20
2,6-Dinitrotoluene	1900		2000	ug/Kg	105		0		70	125	20
3-Nitroaniline	1900		1300	ug/Kg	68		0		30	99	20
Acenaphthene	1900		1900	ug/Kg	100		0		70	121	20
Total PAH	30400	0	29400	ug/Kg	97		1		70	121	20
2,4-Dinitrophenol	3900		2500	ug/Kg	64		5		10	155	20
4-Nitrophenol	3900		3100	ug/Kg	79		7		45	133	20
Dibenzofuran	1900		1800	ug/Kg	95		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		4000	ug/Kg	105		0		55	128	20
2,4-Dinitrotoluene	1900		2000	ug/Kg	105		0		55	128	20
Diethylphthalate	1900		2100	ug/Kg	111		6		70	112	20
4-Chlorophenyl-phenylether	1900		1800	ug/Kg	95		0		71	108	20
Fluorene	1900		1700	ug/Kg	89		0		68	116	20
4-Nitroaniline	1900		1500	ug/Kg	79		0		55	120	20
4,6-Dinitro-2-methylphenol	1900		1900	ug/Kg	100		0		10	160	20
N-Nitrosodiphenylamine	1900		2100	ug/Kg	111		0		73	118	20
Azobenzene	1900		1800	ug/Kg	95		0		73	110	20
4-Bromophenyl-phenylether	1900		2100	ug/Kg	111		6		65	121	20
Hexachlorobenzene	1900		2000	ug/Kg	105		0		67	118	20
Atrazine	1900		3000	ug/Kg	158	*	3		79	127	20
Pentachlorophenol	3900		3700	ug/Kg	95		5		47	128	20
Phenanthrene	1900	120	2000	ug/Kg	99		0		52	128	20
Anthracene	1900		2000	ug/Kg	105		0		62	124	20
Carbazole	1900		1800	ug/Kg	95		7		59	119	20
Di-n-butylphthalate	1900		2700	ug/Kg	142	*	7		69	118	20
Fluoranthene	1900	220	2100	ug/Kg	98		5		44	125	20
Benzydine	3900		1700	ug/Kg	44		15		10	119	20
Pyrene	1900	160	1500	ug/Kg	67		6		26	142	20
Butylbenzylphthalate	1900	190	2600	ug/Kg	127	*	0		64	126	20
3,3-Dichlorobenzidine	1900		1800	ug/Kg	95		12		33	116	20
Benzo(a)anthracene	1900	120	1900	ug/Kg	94		1		71	114	20
Chrysene	1900	130	2100	ug/Kg	104		0		57	121	20
bis(2-Ethylhexyl)phthalate	1900	220	2900	ug/Kg	141		0		42	169	20
Di-n-octyl phthalate	1900		2500	ug/Kg	132		0		23	175	20
Benzo(b)fluoranthene	1900	180	2300	ug/Kg	112		0		67	121	20
Benzo(k)fluoranthene	1900	0	2000	ug/Kg	105		0		57	134	20
Benzo(a)pyrene	1900	130	2200	ug/Kg	108		1		70	142	20
Indeno(1,2,3-cd)pyrene	1900		1400	ug/Kg	74		0		40	129	20
Dibenz(a,h)anthracene	1900		1300	ug/Kg	68		0		43	123	20
Benzo(g,h,i)perylene	1900	99.8	1200	ug/Kg	58		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1900		1900	ug/Kg	100		5		69	124	20
1,4-Dioxane	1900		1600	ug/Kg	84		6		46	112	20
2,3,4,6-Tetrachlorophenol	1900		2000	ug/Kg	105		0		69	112	20
1-Methylnaphthalene	1900		1700	ug/Kg	89		0		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3707-02MS		Client Sample ID: S-929-K1-SO-0-0.5-082024MS		DataFile: BF139205.D							
n-Nitrosodimethylamine	6000		5700	ug/Kg	95				66	124	
Pyridine	6000		5400	ug/Kg	90				45	119	
Benzaldehyde	6000		3700	ug/Kg	62				10	86	
Aniline	6000		4900	ug/Kg	82				10	88	
Phenol	6000		6400	ug/Kg	107				67	126	
bis(2-Chloroethyl)ether	6000		5800	ug/Kg	97				54	125	
2-Chlorophenol	6000		6700	ug/Kg	112	*			79	107	
1,2-Dichlorobenzene	6000		5800	ug/Kg	97				61	105	
1,3-Dichlorobenzene	6000		5600	ug/Kg	93				62	101	
1,4-Dichlorobenzene	6000		5600	ug/Kg	93				63	104	
Benzyl Alcohol	6000		6600	ug/Kg	110				47	126	
2-Methylphenol	6000		6300	ug/Kg	105				66	122	
2,2-oxybis(1-Chloropropane)	6000		5900	ug/Kg	98				65	110	
Acetophenone	6000		5900	ug/Kg	98				75	111	
3+4-Methylphenols	6000		6300	ug/Kg	105	*			66	104	
N-Nitroso-di-n-propylamine	6000		6400	ug/Kg	107				59	119	
Hexachloroethane	6000		6300	ug/Kg	105				65	117	
Nitrobenzene	6000		6000	ug/Kg	100				70	119	
Isophorone	6000		6200	ug/Kg	103				76	122	
2-Nitrophenol	6000		7600	ug/Kg	127				54	145	
2,4-Dimethylphenol	6000		7800	ug/Kg	130				44	135	
bis(2-Chloroethoxy)methane	6000		6000	ug/Kg	100				68	112	
2,4-Dichlorophenol	6000		6900	ug/Kg	115				72	118	
1,2,4-Trichlorobenzene	6000		5600	ug/Kg	93				57	103	
Benzoic acid	6000		5300	ug/Kg	88				50	104	
Naphthalene	6000		5900	ug/Kg	98				72	110	
4-Chloroaniline	6000		2900	ug/Kg	48				10	91	
Hexachlorobutadiene	6000		5800	ug/Kg	97				66	114	
Caprolactam	6000		7100	ug/Kg	118				51	134	
4-Chloro-3-methylphenol	6000		6700	ug/Kg	112				57	132	
2-Methylnaphthalene	6000		6100	ug/Kg	102				59	123	
Hexachlorocyclopentadiene	12000		20300	ug/Kg	169				10	175	
2,4,6-Trichlorophenol	6000		7100	ug/Kg	118	*			72	117	
2,4,5-Trichlorophenol	6000		6800	ug/Kg	113				72	117	
1,1-Biphenyl	6000		5800	ug/Kg	97				75	113	
2-Chloronaphthalene	6000		5700	ug/Kg	95				67	118	
2-Nitroaniline	6000		6700	ug/Kg	112				69	127	
Dimethylphthalate	6000		6800	ug/Kg	113				70	113	
Acenaphthylene	6000		6300	ug/Kg	105				79	118	
2,6-Dinitrotoluene	6000		6700	ug/Kg	112				70	125	
3-Nitroaniline	6000		4800	ug/Kg	80				30	99	
Acenaphthene	6000		6500	ug/Kg	108				70	121	
Total PAH	96000	0	92100	ug/Kg	96				70	121	
2,4-Dinitrophenol	12000		9400	ug/Kg	78				10	155	
4-Nitrophenol	12000		10400	ug/Kg	87				45	133	
Dibenzofuran	6000		6000	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	6000		7000	ug/Kg	117				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	12000		13700	ug/Kg	114				55	128	
Diethylphthalate	6000		6900	ug/Kg	115	*			70	112	
4-Chlorophenyl-phenylether	6000		6000	ug/Kg	100				71	108	
Fluorene	6000		5900	ug/Kg	98				68	116	
4-Nitroaniline	6000		5700	ug/Kg	95				55	120	
4,6-Dinitro-2-methylphenol	6000		6500	ug/Kg	108				10	160	
N-Nitrosodiphenylamine	6000		6500	ug/Kg	108				73	118	
Azobenzene	6000		6100	ug/Kg	102				73	110	
4-Bromophenyl-phenylether	6000		6500	ug/Kg	108				65	121	
Hexachlorobenzene	6000		6300	ug/Kg	105				67	118	
Atrazine	6000		9700	ug/Kg	162	*			79	127	
Pentachlorophenol	12000		11100	ug/Kg	93				47	128	
Phenanthrene	6000		6100	ug/Kg	102				52	128	
Anthracene	6000		6400	ug/Kg	107				62	124	
Carbazole	6000		5400	ug/Kg	90				59	119	
Di-n-butylphthalate	6000		8100	ug/Kg	135	*			69	118	
Fluoranthene	6000		5300	ug/Kg	88				44	125	
Benzdine	12000		6400	ug/Kg	53				10	119	
Pyrene	6000		4900	ug/Kg	82				26	142	
Butylbenzylphthalate	6000		8600	ug/Kg	143	*			64	126	
3,3-Dichlorobenzidine	6000		7700	ug/Kg	128	*			33	116	
Benzo(a)anthracene	6000		6300	ug/Kg	105				71	114	
Chrysene	6000		6300	ug/Kg	105				57	121	
bis(2-Ethylhexyl)phthalate	6000		9400	ug/Kg	157				42	169	
Di-n-octyl phthalate	6000		8700	ug/Kg	145				23	175	
Benzo(b)fluoranthene	6000		6200	ug/Kg	103				67	121	
Benzo(k)fluoranthene	6000		6400	ug/Kg	107				57	134	
Benzo(a)pyrene	6000		6700	ug/Kg	112				70	142	
Indeno(1,2,3-cd)pyrene	6000		4600	ug/Kg	77				40	129	
Dibenz(a,h)anthracene	6000		4500	ug/Kg	75				43	123	
Benzo(g,h,i)perylene	6000	370	3800	ug/Kg	57				24	125	
1,2,4,5-Tetrachlorobenzene	6000		5800	ug/Kg	97				69	124	
1,4-Dioxane	6000		5000	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	6000		7000	ug/Kg	117	*			69	112	
1-Methylnaphthalene	6000		5900	ug/Kg	98				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3707-03MSD		Client Sample ID: S-929-K1-SO-0-0.5-082024MSD		DataFile: BF139206.D							
n-Nitrosodimethylamine	6000		5900	ug/Kg	98		3		66	124	20
Pyridine	6000		5700	ug/Kg	95		5		45	119	20
Benzaldehyde	6000		3800	ug/Kg	63		2		10	86	20
Aniline	6000		5100	ug/Kg	85		4		10	88	20
Phenol	6000		6700	ug/Kg	112		5		67	126	20
bis(2-Chloroethyl)ether	6000		6200	ug/Kg	103		6		54	125	20
2-Chlorophenol	6000		7100	ug/Kg	118	*	5		79	107	20
1,2-Dichlorobenzene	6000		6000	ug/Kg	100		3		61	105	20
1,3-Dichlorobenzene	6000		5800	ug/Kg	97		4		62	101	20
1,4-Dichlorobenzene	6000		5800	ug/Kg	97		4		63	104	20
Benzyl Alcohol	6000		7000	ug/Kg	117		6		47	126	20
2-Methylphenol	6000		6600	ug/Kg	110		5		66	122	20
2,2-oxybis(1-Chloropropane)	6000		6200	ug/Kg	103		5		65	110	20
Acetophenone	6000		5900	ug/Kg	98		0		75	111	20
3+4-Methylphenols	6000		6600	ug/Kg	110	*	5		66	104	20
N-Nitroso-di-n-propylamine	6000		6700	ug/Kg	112		5		59	119	20
Hexachloroethane	6000		6700	ug/Kg	112		6		65	117	20
Nitrobenzene	6000		6100	ug/Kg	102		2		70	119	20
Isophorone	6000		6300	ug/Kg	105		2		76	122	20
2-Nitrophenol	6000		7700	ug/Kg	128		1		54	145	20
2,4-Dimethylphenol	6000		8000	ug/Kg	133		2		44	135	20
bis(2-Chloroethoxy)methane	6000		6100	ug/Kg	102		2		68	112	20
2,4-Dichlorophenol	6000		7000	ug/Kg	117		2		72	118	20
1,2,4-Trichlorobenzene	6000		5700	ug/Kg	95		2		57	103	20
Benzoic acid	6000		5300	ug/Kg	88		0		50	104	20
Naphthalene	6000		5900	ug/Kg	98		0		72	110	20
4-Chloroaniline	6000		2900	ug/Kg	48		0		10	91	20
Hexachlorobutadiene	6000		5800	ug/Kg	97		0		66	114	20
Caprolactam	6000		7300	ug/Kg	122		3		51	134	20
4-Chloro-3-methylphenol	6000		6700	ug/Kg	112		0		57	132	20
2-Methylnaphthalene	6000		6200	ug/Kg	103		1		59	123	20
Hexachlorocyclopentadiene	12000		20000	ug/Kg	167		1		10	175	20
2,4,6-Trichlorophenol	6000		7300	ug/Kg	122	*	3		72	117	20
2,4,5-Trichlorophenol	6000		6900	ug/Kg	115		2		72	117	20
1,1-Biphenyl	6000		6100	ug/Kg	102		5		75	113	20
2-Chloronaphthalene	6000		5800	ug/Kg	97		2		67	118	20
2-Nitroaniline	6000		6800	ug/Kg	113		1		69	127	20
Dimethylphthalate	6000		7000	ug/Kg	117	*	3		70	113	20
Acenaphthylene	6000		6500	ug/Kg	108		3		79	118	20
2,6-Dinitrotoluene	6000		6900	ug/Kg	115		3		70	125	20
3-Nitroaniline	6000		4900	ug/Kg	82		2		30	99	20
Acenaphthene	6000		6600	ug/Kg	110		2		70	121	20
Total PAH	96000	0	94500	ug/Kg	98		2		70	121	20
2,4-Dinitrophenol	12000		9800	ug/Kg	82		5		10	155	20
4-Nitrophenol	12000		10600	ug/Kg	88		1		45	133	20
Dibenzofuran	6000		6200	ug/Kg	103		3		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF082824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	6000		7300	ug/Kg	122		4		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	12000		14200	ug/Kg	118		3		55	128	20
Diethylphthalate	6000		7200	ug/Kg	120	*	4		70	112	20
4-Chlorophenyl-phenylether	6000		6200	ug/Kg	103		3		71	108	20
Fluorene	6000		6100	ug/Kg	102		4		68	116	20
4-Nitroaniline	6000		5700	ug/Kg	95		0		55	120	20
4,6-Dinitro-2-methylphenol	6000		6800	ug/Kg	113		5		10	160	20
N-Nitrosodiphenylamine	6000		6800	ug/Kg	113		5		73	118	20
Azobenzene	6000		6300	ug/Kg	105		3		73	110	20
4-Bromophenyl-phenylether	6000		6800	ug/Kg	113		5		65	121	20
Hexachlorobenzene	6000		6600	ug/Kg	110		5		67	118	20
Atrazine	6000		9900	ug/Kg	165	*	2		79	127	20
Pentachlorophenol	12000		11500	ug/Kg	96		3		47	128	20
Phenanthrene	6000		6400	ug/Kg	107		5		52	128	20
Anthracene	6000		6600	ug/Kg	110		3		62	124	20
Carbazole	6000		5500	ug/Kg	92		2		59	119	20
Di-n-butylphthalate	6000		8300	ug/Kg	138	*	2		69	118	20
Fluoranthene	6000		5500	ug/Kg	92		4		44	125	20
Benzydine	12000		6500	ug/Kg	54		2		10	119	20
Pyrene	6000		5100	ug/Kg	85		4		26	142	20
Butylbenzylphthalate	6000		8800	ug/Kg	147	*	3		64	126	20
3,3-Dichlorobenzidine	6000		7800	ug/Kg	130	*	2		33	116	20
Benzo(a)anthracene	6000		6400	ug/Kg	107		2		71	114	20
Chrysene	6000		6600	ug/Kg	110		5		57	121	20
bis(2-Ethylhexyl)phthalate	6000		9600	ug/Kg	160		2		42	169	20
Di-n-octyl phthalate	6000		8600	ug/Kg	143		1		23	175	20
Benzo(b)fluoranthene	6000		6300	ug/Kg	105		2		67	121	20
Benzo(k)fluoranthene	6000		6700	ug/Kg	112		5		57	134	20
Benzo(a)pyrene	6000		6900	ug/Kg	115		3		70	142	20
Indeno(1,2,3-cd)pyrene	6000		4600	ug/Kg	77		0		40	129	20
Dibenz(a,h)anthracene	6000		4500	ug/Kg	75		0		43	123	20
Benzo(g,h,i)perylene	6000	370	3800	ug/Kg	57		0		24	125	20
1,2,4,5-Tetrachlorobenzene	6000		5800	ug/Kg	97		0		69	124	20
1,4-Dioxane	6000		5200	ug/Kg	87		5		46	112	20
2,3,4,6-Tetrachlorophenol	6000		7300	ug/Kg	122	*	4		69	112	20
1-Methylnaphthalene	6000		5900	ug/Kg	98		0		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF082824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3707-02MS	S-929-K1-SO-0-0.5 BF139205.D		2-Fluorophenol	150	87.52	58		18	112
			Phenol-d6	150	87.89	59		15	107
			Nitrobenzene-d5	100	75.91	76		18	107
			2-Fluorobiphenyl	100	47.28	47		20	109
			2,4,6-Tribromophenol	150	88.09	59		10	116
			Terphenyl-d14	100	31.59	32		10	105
P3707-03MSD	S-929-K1-SO-0-0.5 BF139206.D		2-Fluorophenol	150	92.86	62		18	112
			Phenol-d6	150	92.71	62		15	107
			Nitrobenzene-d5	100	77.97	78		18	107
			2-Fluorobiphenyl	100	48.61	49		20	109
			2,4,6-Tribromophenol	150	90.88	61		10	116
			Terphenyl-d14	100	34.12	34		10	105

Surrogate Summary

SW-846

SDG No.: **BF082824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3767-01	P-5-COMPOSITE	BF139207.D	2-Fluorophenol	150	83.89	56		18	112
			Phenol-d6	150	81.92	55		15	107
			Nitrobenzene-d5	100	66.81	67		18	107
			2-Fluorobiphenyl	100	57.91	58		20	109
			2,4,6-Tribromophenol	150	79.49	53		10	116
			Terphenyl-d14	100	45.13	45		10	105
P3767-01MS	P-5-COMPOSITE	MBF139208.D	2-Fluorophenol	150	78.72	52		18	112
			Phenol-d6	150	77.30	52		15	107
			Nitrobenzene-d5	100	64.24	64		18	107
			2-Fluorobiphenyl	100	56.00	56		20	109
			2,4,6-Tribromophenol	150	81.44	54		10	116
			Terphenyl-d14	100	45.69	46		10	105
P3767-01MSD	P-5-COMPOSITE	MBF139209.D	2-Fluorophenol	150	81.86	55		18	112
			Phenol-d6	150	80.51	54		15	107
			Nitrobenzene-d5	100	65.70	66		18	107
			2-Fluorobiphenyl	100	58.04	58		20	109
			2,4,6-Tribromophenol	150	83.54	56		10	116
			Terphenyl-d14	100	46.08	46		10	105

Surrogate Summary

SW-846

SDG No.: **BF082824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3739-08	WC-1	BF139210.D	2-Fluorophenol	150	134.00	89		10	139
			Phenol-d6	150	118.70	79		10	134
			Nitrobenzene-d5	100	117.66	118		49	133
			2-Fluorobiphenyl	100	99.03	99		52	132
			2,4,6-Tribromophenol	150	155.87	104		44	137
			Terphenyl-d14	100	81.90	82		48	125
P3739-12	WC-2	BF139211.D	2-Fluorophenol	150	130.95	87		10	139
			Phenol-d6	150	115.47	77		10	134
			Nitrobenzene-d5	100	112.38	112		49	133
			2-Fluorobiphenyl	100	98.05	98		52	132
			2,4,6-Tribromophenol	150	146.83	98		44	137
			Terphenyl-d14	100	77.94	78		48	125
P3739-16	WC-3	BF139212.D	2-Fluorophenol	150	136.90	91		10	139
			Phenol-d6	150	121.33	81		10	134
			Nitrobenzene-d5	100	115.81	116		49	133
			2-Fluorobiphenyl	100	102.83	103		52	132
			2,4,6-Tribromophenol	150	154.33	103		44	137
			Terphenyl-d14	100	80.04	80		48	125
PB162991TB	PB162991TB	BF139200.D	2-Fluorophenol	150	124.21	83		10	139
			Phenol-d6	150	118.02	79		10	134
			Nitrobenzene-d5	100	95.22	95		49	133
			2-Fluorobiphenyl	100	77.17	77		52	132
			2,4,6-Tribromophenol	150	147.96	99		44	137
			Terphenyl-d14	100	84.80	85		48	125

Surrogate Summary

SW-846

SDG No.: **BF082824**

Client:

Analytical Method: **625.1**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3731-02	EFF-Waste Water	BF139204.D	2-Fluorophenol	100	50.45	50	*	60	140
			Phenol-d6	100	235.25	235	*	60	140
			Nitrobenzene-d5	100	95.57	96		60	140
			2-Fluorobiphenyl	100	86.07	86		60	140
			2,4,6-Tribromophenol	100	92.36	92		60	140
			Terphenyl-d14	100	68.93	69		60	140
PB163034BL	PB163034BL	BF139203.D	2-Fluorophenol	100	92.13	92		60	140
			Phenol-d6	100	90.76	91		60	140
			Nitrobenzene-d5	100	107.46	107		60	140
			2-Fluorobiphenyl	100	91.38	91		60	140
			2,4,6-Tribromophenol	100	97.45	97		60	140
			Terphenyl-d14	100	99.29	99		60	140
PB163034BS	PB163034BS	BF139201.D	2-Fluorophenol	100	98.43	98		60	140
			Phenol-d6	100	94.41	94		60	140
			Nitrobenzene-d5	100	109.31	109		60	140
			2-Fluorobiphenyl	100	93.82	94		60	140
			2,4,6-Tribromophenol	100	120.54	121		60	140
			Terphenyl-d14	100	106.25	106		60	140
PB163034BSD	PB163034BSD	BF139202.D	2-Fluorophenol	100	97.83	98		60	140
			Phenol-d6	100	93.16	93		60	140
			Nitrobenzene-d5	100	110.10	110		60	140
			2-Fluorobiphenyl	100	93.36	93		60	140
			2,4,6-Tribromophenol	100	117.67	118		60	140
			Terphenyl-d14	100	108.48	108		60	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF082824

Lab Code: CHEM

SAS No.: BF082824 SDG NO.: BF082824

Lab File ID: BF139198.D

DFTPP Injection Date: 08/28/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.9 (2) 1
69	Mass 69 relative abundance	43.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.1
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	6.8
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	84.5
443	15.0 - 24.0% of mass 442	16 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139199.D	08/28/2024	10:06
PB162991TB	PB162991TB	BF139200.D	08/28/2024	10:37
PB163034BS	PB163034BS	BF139201.D	08/28/2024	11:08
PB163034BSD	PB163034BSD	BF139202.D	08/28/2024	11:38
PB163034BL	PB163034BL	BF139203.D	08/28/2024	12:09
EFF-Waste Water	P3731-02	BF139204.D	08/28/2024	12:44
S-929-K1-SO-0-0.5-082024MS	P3707-02MS	BF139205.D	08/28/2024	13:16
S-929-K1-SO-0-0.5-082024MSD	P3707-03MSD	BF139206.D	08/28/2024	13:48
P-5-COMPOSITE	P3767-01	BF139207.D	08/28/2024	14:20
P-5-COMPOSITEMS	P3767-01MS	BF139208.D	08/28/2024	14:51
P-5-COMPOSITMSD	P3767-01MSD	BF139209.D	08/28/2024	15:22
WC-1	P3739-08	BF139210.D	08/28/2024	16:48
WC-2	P3739-12	BF139211.D	08/28/2024	17:20
WC-3	P3739-16	BF139212.D	08/28/2024	17:51