

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF010925 SAS No.: BF010925 SDG No.: BF010925

Instrument ID: BNA_F Calibration Date/Time: 1/9/2025 12:11:04

Lab File ID: BF141100.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	0.744	0.645		-13.306	
Pyridine	1.468	1.322		-9.946	
2-Fluorophenol	1.327	1.219		-8.139	
Benzaldehyde	0.941	0.827		-12.115	
Aniline	1.524	1.398		-8.268	
Phenol-d6	1.709	1.532		-10.357	
Phenol	1.767	1.646		-6.848	20.0
bis(2-Chloroethyl)ether	1.427	1.245		-12.754	
2-Chlorophenol	1.399	1.325		-5.289	
1,2-Dichlorobenzene	1.451	1.396		-3.79	
1,3-Dichlorobenzene	1.544	1.486		-3.756	
1,4-Dichlorobenzene	1.556	1.487		-4.434	20.0
Benzyl Alcohol	1.228	1.143		-6.922	
2-Methylphenol	1.162	1.063		-8.52	
2,2-oxybis(1-Chloropropane)	2.158	1.820		-15.663	
Acetophenone	0.491	0.449		-8.554	
3+4-Methylphenols	1.471	1.352		-8.09	
n-Nitroso-di-n-propylamine	1.047	0.909	0.050	-13.181	
Nitrobenzene-d5	0.313	0.365		16.613	
Hexachloroethane	0.553	0.547		-1.085	
Nitrobenzene	0.349	0.384		10.029	
Isophorone	0.680	0.623		-8.382	
2-Nitrophenol	0.118	0.178		50.847	20.0
2,4-Dimethylphenol	0.249	0.232		-6.827	
bis(2-Chloroethoxy)methane	0.431	0.394		-8.585	
2,4-Dichlorophenol	0.282	0.280		-0.709	20.0
1,2,4-Trichlorobenzene	0.319	0.317		-0.627	
Benzoic acid	0.178	0.231		29.775	
Naphthalene	1.054	1.011		-4.08	
4-Chloroaniline	0.381	0.346		-9.186	
Hexachlorobutadiene	0.188	0.191		1.596	20.0
Caprolactam	0.096	0.090		-6.25	
4-Chloro-3-methylphenol	0.313	0.306		-2.236	20.0
2-Methylnaphthalene	0.674	0.648		-3.858	
Hexachlorocyclopentadiene	0.182	0.204	0.050	12.088	
2,4,6-Trichlorophenol	0.366	0.386		5.464	20.0
2-Fluorobiphenyl	1.255	1.216		-3.108	
2,4,5-Trichlorophenol	0.375	0.391		4.267	
1,1-Biphenyl	1.531	1.491		-2.613	

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Lab File ID: BF141100.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.188	1.155		-2.778	
2-Nitroaniline	0.259	0.356		37.452	
Dimethylphthalate	1.316	1.309		-0.532	
Acenaphthylene	1.710	1.676		-1.988	
2,6-Dinitrotoluene	0.231	0.312		35.065	
3-Nitroaniline	0.255	0.318		24.706	
Acenaphthene	1.156	1.175		1.644	20.0
2,4-Dinitrophenol	0.075	0.150	0.050	100.0	
4-Nitrophenol	0.225	0.245	0.050	8.889	
Dibenzofuran	1.624	1.593		-1.909	
2,4-Dinitrotoluene	0.273	0.405		48.352	
Diethylphthalate	1.299	1.287		-0.924	
4-Chlorophenyl-phenylether	0.606	0.605		-0.165	
Fluorene	1.260	1.237		-1.825	
4-Nitroaniline	0.255	0.315		23.529	
4,6-Dinitro-2-methylphenol	0.067	0.131		95.522	
n-Nitrosodiphenylamine	0.630	0.664		5.397	20.0
Azobenzene	1.363	1.276		-6.383	
2,4,6-Tribromophenol	0.194	0.218		12.371	
4-Bromophenyl-phenylether	0.216	0.236		9.259	
Hexachlorobenzene	0.238	0.258		8.403	
Atrazine	0.176	0.150		-14.773	
Pentachlorophenol	0.148	0.172		16.216	20.0
Phenanthrene	1.053	1.060		0.665	
Anthracene	1.031	1.042		1.067	
Carbazole	0.992	0.956		-3.629	
Di-n-butylphthalate	1.128	1.124		-0.355	
Fluoranthene	1.142	1.067		-6.567	20.0
Benzidine	0.423	0.480		13.475	
Pyrene	1.749	1.782		1.887	
Terphenyl-d14	1.204	1.273		5.731	
Butylbenzylphthalate	0.639	0.633		-0.939	
3,3-Dichlorobenzidine	0.419	0.430		2.625	
Benzo(a)anthracene	1.394	1.294		-7.174	
Chrysene	1.257	1.156		-8.035	
Bis(2-ethylhexyl)phthalate	0.828	0.744		-10.145	
Di-n-octyl phthalate	1.199	1.262		5.254	20.0
Benzo(b)fluoranthene	1.395	1.198		-14.122	
Benzo(k)fluoranthene	1.093	1.114		1.921	

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Instrument ID: BNA_F Calibration Date/Time: 1/9/2025 12:11:04

Lab File ID: BF141100.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.083	1.034		-4.524	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.330		5.556	
Dibenzo(a,h)anthracene	1.021	1.089		6.66	
Benzo(g,h,i)perylene	1.059	1.116		5.382	
1,2,4,5-Tetrachlorobenzene	0.550	0.553		0.545	
1,4-Dioxane	0.601	0.533		-11.314	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.329		6.129	
1-Methylnaphthalene	0.663	0.635		-4.223	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	PB165977BL	SDG No.:	BF010925
Lab Sample ID:	PB165977BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BF141101.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

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

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	PB165977BL	SDG No.:	BF010925
Lab Sample ID:	PB165977BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF141101.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	PB165977BL	SDG No.:	BF010925
Lab Sample ID:	PB165977BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF141101.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	133.113		18-112		89	SPK: -150
13127-88-3	Phenol-d6	130.4		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	117.651	*	18-107		118	SPK: -100
321-60-8	2-Fluorobiphenyl	98.444		20-109		98	SPK: -100

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	PB165977BL	SDG No.:	BF010925
Lab Sample ID:	PB165977BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF141101.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	175.679	*	10-116		117	SPK: -150
1718-51-0	Terphenyl-d14	101.522		10-105		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164182	6.828				
1146-65-2	Naphthalene-d8	655032	8.11				
15067-26-2	Acenaphthene-d10	357230	9.857				
1517-22-2	Phenanthrene-d10	618310	11.345				
1719-03-5	Chrysene-d12	416164	13.986				
1520-96-3	Perylene-d12	349972	15.451				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	100	J			2.152	
004744-10-9	Propane, 1,1-dimethoxy-	120	J			2.257	

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	PB165977BS	SDG No.:	BF010925
Lab Sample ID:	PB165977BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF141102.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	690		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1400		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1700		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	440		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	PB165977BS	SDG No.:	BF010925
Lab Sample ID:	PB165977BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141102.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	880		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81	130	170	ug/Kg
Total PAH	Total PAH	24900		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3600		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2300		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	130	170	ug/Kg
1912-24-9	Atrazine	2000		91.3	130	170	ug/Kg



Client:				Date Collected:	1/8/2025 12:00:00 AM	
Project:				Date Received:	1/8/2025 12:00:00 AM	
Client Sample ID:	PB165977BS			SDG No.:	BF010925	
Lab Sample ID:	PB165977BS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141102.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3200	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	1300		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	880		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1400		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.404		18-112		78	SPK: -150
13127-88-3	Phenol-d6	115.231		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	103.279		18-107		103	SPK: -100
321-60-8	2-Fluorobiphenyl	86.361		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	PB165977BS	SDG No.:	BF010925
Lab Sample ID:	PB165977BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141102.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	154.929		10-116		103	SPK: -150
1718-51-0	Terphenyl-d14	99.253		10-105		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	163715	6.828				
1146-65-2	Naphthalene-d8	646760	8.11				
15067-26-2	Acenaphthene-d10	349870	9.863				
1517-22-2	Phenanthrene-d10	581581	11.351				
1719-03-5	Chrysene-d12	338618	13.986				
1520-96-3	Perylene-d12	337937	15.445				

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BL	SDG No.:	BF010925
Lab Sample ID:	PB165989BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141103.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

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

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BL	SDG No.:	BF010925
Lab Sample ID:	PB165989BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141103.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

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

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BL	SDG No.:	BF010925
Lab Sample ID:	PB165989BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141103.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126.664		10-139		84	SPK: -150
13127-88-3	Phenol-d6	123.098		10-134		82	SPK: -150
4165-60-0	Nitrobenzene-d5	109.621		49-133		110	SPK: -100
321-60-8	2-Fluorobiphenyl	93.168		52-132		93	SPK: -100

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BL	SDG No.:	BF010925
Lab Sample ID:	PB165989BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141103.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	159.144		44-137		106	SPK: -150
1718-51-0	Terphenyl-d14	98.153		48-125		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	156520	6.828				
1146-65-2	Naphthalene-d8	629283	8.104				
15067-26-2	Acenaphthene-d10	339475	9.857				
1517-22-2	Phenanthrene-d10	599453	11.345				
1719-03-5	Chrysene-d12	382613	13.986				
1520-96-3	Perylene-d12	341864	15.457				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	2.9	J			2.21	

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BS	SDG No.:	BF010925
Lab Sample ID:	PB165989BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141104.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	45.2		1	8	10	ug/L
110-86-1	Pyridine	41.2		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4.4	J	4	8	10	ug/L
62-53-3	Aniline	40.3		1.6	4	5	ug/L
108-95-2	Phenol	47.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	50.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	48		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	46		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.5		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	49.6		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47.6		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.6		1.4	4	5	ug/L
98-86-2	Acetophenone	46.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.2		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	48.6		1	4	5	ug/L
98-95-3	Nitrobenzene	52.4		1.3	4	5	ug/L
78-59-1	Isophorone	48.7		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	62.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	57.8		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.5		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	51.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	54.9		5.5	8	10	ug/L
91-20-3	Naphthalene	47		1	4	5	ug/L
106-47-8	4-Chloroaniline	16.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	49.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BS	SDG No.:	BF010925
Lab Sample ID:	PB165989BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141104.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	49		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	50.3		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	48.8		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	200	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	55		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	54.1		1	4	5	ug/L
92-52-4	1,1-Biphenyl	49.9		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	48.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	58.1		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	52.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	52.3		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	57.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	57.8		0.81	4	5	ug/L
Total PAH	Total PAH	846.4		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	130	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	110	E	2	8	10	ug/L
132-64-9	Dibenzofuran	50.2		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	62.5		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	19.6		2.7	4	10	ug/L
84-66-2	Diethylphthalate	52		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	50.4		0.98	4	5	ug/L
86-73-7	Fluorene	49.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	52.5		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	78.3		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	53.8		0.89	4	5	ug/L
103-33-3	Azobenzene	48.5		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	56.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	55.4		1.1	4	5	ug/L
1912-24-9	Atrazine	67.6		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BS	SDG No.:	BF010925
Lab Sample ID:	PB165989BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141104.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	53.1		0.89	4	5	ug/L
120-12-7	Anthracene	55.3		1.1	4	5	ug/L
86-74-8	Carbazole	49.5		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	52.5		1.5	4	5	ug/L
206-44-0	Fluoranthene	47.9		1.3	4	5	ug/L
92-87-5	Benzidine	50.3		4.1	8	10	ug/L
129-00-0	Pyrene	53		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	53.5		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	31.4		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	49.5		0.94	4	5	ug/L
218-01-9	Chrysene	48.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	53.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	54.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	54.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	62.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	61.1		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	55.7		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	38		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	57.6		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	46.1		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.699		10-139		86	SPK: -150
13127-88-3	Phenol-d6	126.714		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	114.07		49-133		114	SPK: -100
321-60-8	2-Fluorobiphenyl	97.064		52-132		97	SPK: -100

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BS	SDG No.:	BF010925
Lab Sample ID:	PB165989BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141104.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	175.527		44-137		117	SPK: -150
1718-51-0	Terphenyl-d14	108.788		48-125		109	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164895	6.828				
1146-65-2	Naphthalene-d8	650085	8.11				
15067-26-2	Acenaphthene-d10	344895	9.863				
1517-22-2	Phenanthrene-d10	572927	11.351				
1719-03-5	Chrysene-d12	339908	13.986				
1520-96-3	Perylene-d12	339499	15.451				

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BSD	SDG No.:	BF010925
Lab Sample ID:	PB165989BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141105.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	47.3		1	8	10	ug/L
110-86-1	Pyridine	43.9		1.6	4	5	ug/L
100-52-7	Benzaldehyde	5.1	J	4	8	10	ug/L
62-53-3	Aniline	42.3		1.6	4	5	ug/L
108-95-2	Phenol	49.8		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.9		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	52.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	50		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	48.9		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	52		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)	45.8		1.4	4	5	ug/L
98-86-2	Acetophenone	48.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	48.6		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	51.2		1	4	5	ug/L
98-95-3	Nitrobenzene	54.6		1.3	4	5	ug/L
78-59-1	Isophorone	50.8		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	65.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	60.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	53.8		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	49		1.1	4	5	ug/L
65-85-0	Benzoic acid	57.9		5.5	8	10	ug/L
91-20-3	Naphthalene	49.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	51.6		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BSD	SDG No.:	BF010925
Lab Sample ID:	PB165989BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141105.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	51.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	54		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	51.3		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	200	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	56.9		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	56.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	51.1		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	49.9		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	60.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	53.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	54.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	58.9		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	31.1		1.4	4	5	ug/L
83-32-9	Acenaphthene	59.6		0.81	4	5	ug/L
Total PAH	Total PAH	866.3		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	130	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	120	E	2	8	10	ug/L
132-64-9	Dibenzofuran	51.6		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	22.8		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	63.9		1.5	4	5	ug/L
84-66-2	Diethylphthalate	53.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	52.3		0.98	4	5	ug/L
86-73-7	Fluorene	51.3		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	55		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	81.8	E	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	55.1		0.89	4	5	ug/L
103-33-3	Azobenzene	50.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	57.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	56.2		1.1	4	5	ug/L
1912-24-9	Atrazine	68.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BSD	SDG No.:	BF010925
Lab Sample ID:	PB165989BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141105.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	54.4		0.89	4	5	ug/L
120-12-7	Anthracene	56.8		1.1	4	5	ug/L
86-74-8	Carbazole	51.3		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	54.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	50.5		1.3	4	5	ug/L
92-87-5	Benzidine	52.3		4.1	8	10	ug/L
129-00-0	Pyrene	53.3		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	57.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	32.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	48.7		0.94	4	5	ug/L
218-01-9	Chrysene	52.4		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.4		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	55.1		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	49.3		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	52.6		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	56.5		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	61.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	60.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	54.8		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	51.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	40.6		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	58.8		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	48.5		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	136.755		10-139		91	SPK: -150
13127-88-3	Phenol-d6	133.353		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	119.231		49-133		119	SPK: -100
321-60-8	2-Fluorobiphenyl	99.807		52-132		100	SPK: -100

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	PB165989BSD	SDG No.:	BF010925
Lab Sample ID:	PB165989BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141105.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	181.058		44-137		121	SPK: -150
1718-51-0	Terphenyl-d14	111.355		48-125		111	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	160239	6.828				
1146-65-2	Naphthalene-d8	637237	8.11				
15067-26-2	Acenaphthene-d10	346390	9.863				
1517-22-2	Phenanthrene-d10	586656	11.345				
1719-03-5	Chrysene-d12	364876	13.986				
1520-96-3	Perylene-d12	361148	15.445				

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	28612	SDG No.:	BF010925
Lab Sample ID:	Q1033-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141106.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

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	3.3	J	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	28612	SDG No.:	BF010925
Lab Sample ID:	Q1033-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141106.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

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

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	28612	SDG No.:	BF010925
Lab Sample ID:	Q1033-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141106.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	62.95		10-139		42	SPK: -150
13127-88-3	Phenol-d6	40.892		10-134		27	SPK: -150
4165-60-0	Nitrobenzene-d5	117.763		49-133		118	SPK: -100
321-60-8	2-Fluorobiphenyl	94.992		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	1/8/2025 12:00:00 AM
Project:		Date Received:	1/8/2025 12:00:00 AM
Client Sample ID:	28612	SDG No.:	BF010925
Lab Sample ID:	Q1033-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF141106.D	1	1/9/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	187.452		44-137		125	SPK: -150
1718-51-0	Terphenyl-d14	83.703		48-125		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	189788	6.828				
1146-65-2	Naphthalene-d8	771309	8.104				
15067-26-2	Acenaphthene-d10	431336	9.857				
1517-22-2	Phenanthrene-d10	746722	11.345				
1719-03-5	Chrysene-d12	567176	13.986				
1520-96-3	Perylene-d12	421393	15.451				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J			2.128	
000123-51-3	1-Butanol, 3-methyl-	12.3	J			3.234	
000108-65-6	1-Methoxy-2-propyl acetate	87.2	J			5.363	
013429-07-7	2-Propanol, 1-(2-methoxypropoxy)-	4.9	J			6.745	
000622-96-8	Benzene, 1-ethyl-4-methyl-	5.3	J			6.887	
000089-95-2	Benzenemethanol, 2-methyl-	6.4	J			7.757	
002177-47-1	2-Methylindene	5.5	J			7.887	
056631-57-3	1H-Indenol	25.5	J			8.263	
000615-13-4	2H-Inden-2-one, 1,3-dihydro-	5	J			8.345	
000083-33-0	1H-Inden-1-one, 2,3-dihydro-	6.2	J			8.692	
016017-24-6	2-Propyn-1-ol, 3-(4-methylphenyl)-	5.7	J			8.91	
000581-42-0	Naphthalene, 2,6-dimethyl-	7.7	J			9.445	
1000164-31-2	Tetracyclo[4.2.1.0(3,7).0(2,9)]non	5.4	J			10.069	
004780-79-4	1-Naphthalenemethanol	13.2	J			10.339	
000119-61-9	Benzophenone	6.2	J			10.575	
000057-10-3	n-Hexadecanoic acid	17.3	J			11.875	
000057-11-4	Octadecanoic acid	10.3	J			12.663	

Report of Analysis

Client:		Date Collected:	9/19/2024 12:00:00 AM
Project:		Date Received:	9/19/2024 12:00:00 AM
Client Sample ID:	SF-6-B	SDG No.:	BF010925
Lab Sample ID:	Q1034-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.02	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
BF141107.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.1	U	52.1	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	78	100	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.5	U	51.5	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/19/2024 12:00:00 AM
Project:		Date Received:	9/19/2024 12:00:00 AM
Client Sample ID:	SF-6-B	SDG No.:	BF010925
Lab Sample ID:	Q1034-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.02 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
BF141107.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52.1	U	52.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.6	U	93.6	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	78	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	78	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/19/2024 12:00:00 AM
Project:		Date Received:	9/19/2024 12:00:00 AM
Client Sample ID:	SF-6-B	SDG No.:	BF010925
Lab Sample ID:	Q1034-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.02	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
BF141107.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	100	ug/Kg
92-87-5	Benzidine	97.8	U	97.8	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58.1	U	58.1	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52.1	U	52.1	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.794		18-112		68	SPK: -150
13127-88-3	Phenol-d6	110.327		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	108.229	*	18-107		108	SPK: -100
321-60-8	2-Fluorobiphenyl	89.494		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	9/19/2024 12:00:00 AM
Project:		Date Received:	9/19/2024 12:00:00 AM
Client Sample ID:	SF-6-B	SDG No.:	BF010925
Lab Sample ID:	Q1034-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.02	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
BF141107.D	1	1/8/2025 12:00:00 AM	1/9/2025 12:00:00 AM	PB165977

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.747		10-116		93	SPK: -150
1718-51-0	Terphenyl-d14	89.876		10-105		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	204172	6.828				
1146-65-2	Naphthalene-d8	819615	8.104				
15067-26-2	Acenaphthene-d10	465212	9.857				
1517-22-2	Phenanthrene-d10	840894	11.345				
1719-03-5	Chrysene-d12	620276	13.98				
1520-96-3	Perylene-d12	457793	15.451				

Hit Summary Sheet SW-846

SDG No.: BF010925

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : 28612								
Q1033-01	28612	Water	1-Butanol, 3-methyl-	*	12.300	J		
Q1033-01	28612	Water	1-Methoxy-2-propyl acetate	*	87.200	J		
Q1033-01	28612	Water	1-Naphthalenemethanol	*	13.200	J		
Q1033-01	28612	Water	1H-Inden-1-one, 2,3-dihydro-	*	6.200	J		
Q1033-01	28612	Water	1H-Indenol	*	25.500	J		
Q1033-01	28612	Water	2-Methylindene	*	5.500	J		
Q1033-01	28612	Water	2-Propanol, 1-(2-methoxypropoxy	*	4.900	J		
Q1033-01	28612	Water	2-Propyn-1-ol, 3-(4-methylphenyl	*	5.700	J		
Q1033-01	28612	Water	2H-Inden-2-one, 1,3-dihydro-	*	5.000	J		
Q1033-01	28612	Water	Benzene, 1-ethyl-4-methyl-	*	5.300	J		
Q1033-01	28612	Water	Benzenemethanol, 2-methyl-	*	6.400	J		
Q1033-01	28612	Water	Benzophenone	*	6.200	J		
Q1033-01	28612	Water	Butane, 2-methoxy-2-methyl-	*	120.000	J		
Q1033-01	28612	Water	n-Hexadecanoic acid	*	17.300	J		
Q1033-01	28612	Water	Naphthalene, 2,6-dimethyl-	*	7.700	J		
Q1033-01	28612	Water	Octadecanoic acid	*	10.300	J		
Q1033-01	28612	Water	Tetracyclo[4.2.1.0(3,7).0(2,9)]non	*	5.400	J		
			Total Tics :		344.10			
Q1033-01	28612	Water	Benzyl Alcohol		3.300	J 1.6	10	ug/L
			Total Svoc :		3.30			
			Total Concentration:		347.40			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF122624 SAS No.: BF122624 SDG No.: BF122624
Instrument ID: _____ Calibration Date(s): 12/26/2024
Calibration Time(s): 16:23

LAB FILE ID:		RRF2.5 = BF140970.D			RRF005 = BF140971.D		RRF010 = BF140972.D	
		RRF020 = BF140973.D			RRF040 = BF140974.D		RRF050 = BF140975.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.755	0.738	0.778	0.745	0.742	0.744	2.9
Pyridine		1.621	1.563	1.581	1.437	1.394	1.468	8.2
2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.327	9.4
Benzaldehyde			1.193	1.089	0.861	0.792	0.941	20.2
Aniline		1.709	1.702	1.732	1.615	1.480	1.524	15.3
Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.709	8.6
Phenol		1.956	1.880	1.866	1.744	1.683	1.767	8.0
bis(2-Chloroethyl)ether		1.543	1.479	1.449	1.363	1.416	1.427	4.8
2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.399	8.2
1,2-Dichlorobenzene		1.660	1.589	1.562	1.416	1.366	1.451	10.7
1,3-Dichlorobenzene		1.736	1.665	1.649	1.516	1.462	1.544	9.2
1,4-Dichlorobenzene		1.749	1.690	1.662	1.517	1.477	1.556	9.3
Benzyl Alcohol		1.333	1.275	1.298	1.226	1.199	1.228	6.6
2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.162	5.8
2,2-oxybis(1-Chloropropane)		2.420	2.317	2.313	2.112	2.048	2.158	9.0
Acetophenone		0.575	0.535	0.521	0.470	0.459	0.491	11.0
3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.471	10.6
n-Nitroso-di-n-propylamine	1.133	1.140	1.127	1.079	1.008	0.988	1.047	8.0
Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.313	12.2
Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.553	5.3
Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.349	9.5
Isophorone		0.744	0.706	0.714	0.657	0.654	0.680	6.1
2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.118	29.3
2,4-Dimethylphenol		0.268	0.255	0.260	0.241	0.241	0.249	5.2
bis(2-Chloroethoxy)methane		0.477	0.462	0.462	0.415	0.412	0.431	8.3
2,4-Dichlorophenol		0.286	0.289	0.295	0.278	0.281	0.282	3.4
1,2,4-Trichlorobenzene		0.354	0.335	0.337	0.312	0.304	0.319	7.4
Benzoic acid			0.099	0.152	0.178	0.198	0.178	26.6
Naphthalene		1.209	1.154	1.142	1.020	0.989	1.054	11.0
4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.381	6.2
Hexachlorobutadiene		0.208	0.199	0.196	0.182	0.181	0.188	7.1
Caprolactam		0.098	0.095	0.100	0.094	0.094	0.096	2.4
4-Chloro-3-methylphenol		0.330	0.320	0.327	0.309	0.304	0.313	4.2
2-Methylnaphthalene		0.772	0.740	0.732	0.642	0.629	0.674	10.8
Hexachlorocyclopentadiene		0.165	0.176	0.189	0.187	0.189	0.182	5.0
2,4,6-Trichlorophenol		0.354	0.356	0.398	0.364	0.356	0.366	4.6

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.: BF122624

SAS No.: BF122624

SDG No.: BF122624

Instrument ID: _____

Calibration Date(s): 12/26/2024

Calibration Time(s): 16:23

LAB FILE ID:		RRF2.5 = BF140970.D			RRF005 = BF140971.D		RRF010 = BF140972.D	
		RRF020 = BF140973.D			RRF040 = BF140974.D		RRF050 = BF140975.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.546	1.452	1.378	1.175	1.129	1.255	16.1
2,4,5-Trichlorophenol		0.371	0.389	0.377	0.380	0.386	0.375	3.2
1,1-Biphenyl		1.776	1.696	1.651	1.479	1.421	1.531	11.6
2-Chloronaphthalene		1.362	1.293	1.270	1.140	1.115	1.188	10.2
2-Nitroaniline		0.139	0.182	0.248	0.288	0.306	0.259	28.5
Dimethylphthalate		1.438	1.414	1.389	1.285	1.246	1.316	7.4
Acenaphthylene		1.934	1.869	1.824	1.654	1.619	1.710	9.8
2,6-Dinitrotoluene		0.128	0.173	0.233	0.256	0.269	0.231	25.2
3-Nitroaniline		0.153	0.197	0.260	0.281	0.289	0.255	22.6
Acenaphthene		1.289	1.240	1.229	1.119	1.096	1.156	8.4
2,4-Dinitrophenol			0.037	0.053	0.072	0.086	0.075	35.0
4-Nitrophenol			0.166	0.213	0.229	0.237	0.225	14.4
Dibenzofuran		1.857	1.780	1.743	1.565	1.523	1.624	10.5
2,4-Dinitrotoluene		0.136	0.187	0.265	0.310	0.326	0.273	30.1
Diethylphthalate		1.433	1.386	1.369	1.266	1.230	1.299	7.5
4-Chlorophenyl-phenylether		0.700	0.673	0.653	0.579	0.560	0.606	11.3
Fluorene		1.497	1.432	1.351	1.192	1.146	1.260	13.2
4-Nitroaniline		0.156	0.203	0.257	0.278	0.290	0.255	21.7
4,6-Dinitro-2-methylphenol			0.033	0.051	0.066	0.078	0.067	32.7
n-Nitrosodiphenylamine		0.712	0.675	0.668	0.605	0.594	0.630	8.8
Azobenzene		1.502	1.465	1.448	1.319	1.295	1.363	7.8
2,4,6-Tribromophenol		0.177	0.189	0.203	0.196	0.198	0.194	4.6
4-Bromophenyl-phenylether		0.235	0.229	0.228	0.213	0.212	0.216	7.0
Hexachlorobenzene		0.261	0.247	0.249	0.232	0.231	0.238	6.0
Atrazine		0.218	0.205	0.189	0.156	0.147	0.176	18.5
Pentachlorophenol		0.122	0.137	0.154	0.155	0.156	0.148	9.4
Phenanthrene		1.221	1.168	1.129	1.005	0.982	1.053	11.3
Anthracene		1.187	1.136	1.113	0.991	0.963	1.031	11.0
Carbazole		1.138	1.093	1.076	0.947	0.923	0.992	11.0
Di-n-butylphthalate		1.248	1.238	1.237	1.083	1.054	1.128	9.7
Fluoranthene		1.333	1.274	1.242	1.091	1.050	1.142	12.3
Benzidine		0.422	0.333	0.437	0.415	0.438	0.423	12.6
Pyrene		1.754	1.670	1.701	1.692	1.783	1.749	3.6
Terphenyl-d14		1.275	1.181	1.188	1.141	1.194	1.204	3.6
Butylbenzylphthalate		0.532	0.571	0.640	0.656	0.684	0.639	10.1
3,3-Dichlorobenzidine		0.474	0.455	0.455	0.403	0.382	0.419	9.8

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.: BF122624 SAS No.: BF122624 SDG No.: BF122624
Instrument ID: _____ Calibration Date(s): 12/26/2024
Calibration Time(s): 16:23

LAB FILE ID:		RRF2.5 = BF140970.D			RRF005 = BF140971.D		RRF010 = BF140972.D	
		RRF020 = BF140973.D			RRF040 = BF140974.D		RRF050 = BF140975.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.573	1.452	1.437	1.369	1.340	1.394	7.4
Chrysene		1.341	1.330	1.327	1.208	1.194	1.257	5.7
Bis(2-ethylhexyl)phthalate		0.822	0.842	0.859	0.820	0.827	0.828	2.5
Di-n-octyl phthalate		1.157	1.231	1.253	1.199	1.170	1.199	2.8
Benzo(b)fluoranthene		1.360	1.564	1.479	1.417	1.306	1.395	7.2
Benzo(k)fluoranthene		1.165	1.121	1.301	1.065	1.073	1.093	11.2
Benzo(a)pyrene		1.146	1.108	1.137	1.069	1.047	1.083	4.6
Indeno(1,2,3-cd)pyrene		1.050	1.009	1.224	1.311	1.397	1.260	13.7
Dibenzo(a,h)anthracene		0.847	0.829	0.992	1.070	1.127	1.021	13.4
Benzo(g,h,i)perylene		0.825	0.811	1.023	1.126	1.194	1.059	16.9
1,2,4,5-Tetrachlorobenzene		0.602	0.586	0.586	0.535	0.527	0.550	7.5
1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.601	4.3
2,3,4,6-Tetrachlorophenol		0.303	0.303	0.327	0.314	0.307	0.310	3.0
1-Methylnaphthalene		0.767	0.722	0.710	0.635	0.618	0.663	10.7

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.: BF010925 SAS No.: BF010925 SDG NO.: BF010925

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 9 2025 12:00AM

Lab File ID: BF140974.D Time Analyzed: 11:31

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	264114	6.828	1.04702e+01	8.11	555398	9.86
UPPER LIMIT	528228	7.328	2094040	8.61	1110796	10.363
LOWER LIMIT	132057	6.328	523510	7.61	277699	9.363
EPA SAMPLE NO.						
01 PB165977BL	164182	6.83	655032	8.11	357230	9.86
02 PB165977BS	163715	6.83	646760	8.11	349870	9.86
03 PB165989BL	156520	6.83	629283	8.10	339475	9.86
04 PB165989BS	164895	6.83	650085	8.11	344895	9.86
05 PB165989BSD	160239	6.83	637237	8.11	346390	9.86
06 28612	189788	6.83	771309	8.10	431336	9.86
07 SF-6-B	204172	6.83	819615	8.10	465212	9.86

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.: BF010925 SAS No.: BF010925 SDG NO.: BF010925

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 9 2025 12:00AM

Lab File ID: BF141100.D Time Analyzed: 11:31

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	189129	6.828	729791	8.11	388875	9.86
UPPER LIMIT	378258	7.328	1459582	8.61	777750	10.363
LOWER LIMIT	94564.5	6.328	364895.5	7.61	194437.5	9.363
EPA SAMPLE NO.						
01 PB165977BL	164182	6.83	655032	8.11	357230	9.86
02 PB165977BS	163715	6.83	646760	8.11	349870	9.86
03 PB165989BL	156520	6.83	629283	8.10	339475	9.86
04 PB165989BS	164895	6.83	650085	8.11	344895	9.86
05 PB165989BSD	160239	6.83	637237	8.11	346390	9.86
06 28612	189788	6.83	771309	8.10	431336	9.86
07 SF-6-B	204172	6.83	819615	8.10	465212	9.86

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.: BF010925 SAS No.: BF010925 SDG NO.: BF010925

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 9 2025 12:00AM

Lab File ID: BF140974.D Time Analyzed: 11:31

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	980435	11.345	652144	13.986	531798	15.445
UPPER LIMIT	1960870	11.845	1304288	14.486	1063596	15.945
LOWER LIMIT	490217.5	10.845	326072	13.486	265899	14.945
EPA SAMPLE NO.						
01 PB165977BL	618310	11.35	416164	13.99	349972	15.45
02 PB165977BS	581581	11.35	338618	13.99	337937	15.45
03 PB165989BL	599453	11.35	382613	13.99	341864	15.46
04 PB165989BS	572927	11.35	339908	13.99	339499	15.45
05 PB165989BSD	586656	11.35	364876	13.99	361148	15.45
06 28612	746722	11.35	567176	13.99	421393	15.45
07 SF-6-B	840894	11.35	620276	13.98	457793	15.45

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.: BF010925 SAS No.: BF010925 SDG NO.: BF010925

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 9 2025 12:00AM

Lab File ID: BF141100.D Time Analyzed: 11:31

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	628795	11.351	374061	13.992	398568	15.451
UPPER LIMIT	1257590	11.851	748122	14.492	797136	15.951
LOWER LIMIT	314397.5	10.851	187030.5	13.492	199284	14.951
EPA SAMPLE NO.						
01 PB165977BL	618310	11.35	416164	13.99	349972	15.45
02 PB165977BS	581581	11.35	338618	13.99	337937	15.45
03 PB165989BL	599453	11.35	382613	13.99	341864	15.46
04 PB165989BS	572927	11.35	339908	13.99	339499	15.45
05 PB165989BSD	586656	11.35	364876	13.99	361148	15.45
06 28612	746722	11.35	567176	13.99	421393	15.45
07 SF-6-B	840894	11.35	620276	13.98	457793	15.45

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.: **BF010925**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165977BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	690	ug/Kg	41				10	133	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1900	ug/Kg	112		*		61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	440	ug/Kg	26				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	5700	ug/Kg	173		*		45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	880	ug/Kg	52				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	24900	ug/Kg	92				57	104	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF010925**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165977BS	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3600	ug/Kg	106				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	2300	ug/Kg	135		*		76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	2000	ug/Kg	118				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	1300	ug/Kg	39				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	880	ug/Kg	52				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF010925**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB165989BS	n-Nitrosodimethylamine	50	45.2	ug/L	90				55	108	
	Pyridine	50	41.2	ug/L	82				29	97	
	Benzaldehyde	50	4.4	ug/L	9		*		10	162	
	Aniline	50	40.3	ug/L	81				10	130	
	Phenol	50	47.4	ug/L	95				66	118	
	bis(2-Chloroethyl)ether	50	45	ug/L	90				62	103	
	2-Chlorophenol	50	50.1	ug/L	100				70	117	
	1,2-Dichlorobenzene	50	48	ug/L	96				72	102	
	1,3-Dichlorobenzene	50	46	ug/L	92				71	103	
	1,4-Dichlorobenzene	50	46.5	ug/L	93				76	103	
	Benzyl Alcohol	50	49.6	ug/L	99		*		36	93	
	2-Methylphenol	50	47.6	ug/L	95				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.6	ug/L	87				65	100	
	Acetophenone	50	46.6	ug/L	93				60	104	
	3+4-Methylphenols	50	46.2	ug/L	92				67	106	
	N-Nitroso-di-n-propylamine	50	46.1	ug/L	92				57	107	
	Hexachloroethane	50	48.6	ug/L	97				76	118	
	Nitrobenzene	50	52.4	ug/L	105				58	106	
	Isophorone	50	48.7	ug/L	97				61	102	
	2-Nitrophenol	50	62.1	ug/L	124		*		70	115	
	2,4-Dimethylphenol	50	57.8	ug/L	116				42	142	
	bis(2-Chloroethoxy)methane	50	46.5	ug/L	93				58	109	
	2,4-Dichlorophenol	50	51.4	ug/L	103				66	115	
	1,2,4-Trichlorobenzene	50	46.8	ug/L	94				41	115	
	Benzoic acid	50	54.9	ug/L	110				10	125	
	Naphthalene	50	47	ug/L	94				64	107	
	4-Chloroaniline	50	16.4	ug/L	33				10	85	
	Hexachlorobutadiene	50	49.2	ug/L	98				69	101	
	Caprolactam	50	49	ug/L	98				58	128	
	4-Chloro-3-methylphenol	50	50.3	ug/L	101				65	114	
	2-Methylnaphthalene	50	48.8	ug/L	98				64	107	
	Hexachlorocyclopentadiene	100	200	ug/L	200		*		36	160	
	2,4,6-Trichlorophenol	50	55	ug/L	110				61	110	
	2,4,5-Trichlorophenol	50	54.1	ug/L	108		*		70	106	
	1,1-Biphenyl	50	49.9	ug/L	100		*		72	98	
	2-Chloronaphthalene	50	48.4	ug/L	97				59	106	
	2-Nitroaniline	50	58.1	ug/L	116		*		73	114	
	Dimethylphthalate	50	52.4	ug/L	105		*		64	103	
	Acenaphthylene	50	52.3	ug/L	105		*		79	103	
	2,6-Dinitrotoluene	50	57.1	ug/L	114		*		64	110	
	3-Nitroaniline	50	29.8	ug/L	60				28	100	
	Acenaphthene	50	57.8	ug/L	116		*		59	113	
	Total PAH	800	846.4	ug/L	106				59	113	
	2,4-Dinitrophenol	100	130	ug/L	130				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF010925**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB165989BS	4-Nitrophenol	100	110	ug/L	110				45	147	
	Dibenzofuran	50	50.2	ug/L	100				65	106	
	2,4-Dinitrotoluene	50	62.5	ug/L	125		*		60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	119.6	ug/L	120		*		60	115	
	Diethylphthalate	50	52	ug/L	104				63	105	
	4-Chlorophenyl-phenylether	50	50.4	ug/L	101				61	104	
	Fluorene	50	49.4	ug/L	99				64	107	
	4-Nitroaniline	50	52.5	ug/L	105				55	125	
	4,6-Dinitro-2-methylphenol	50	78.3	ug/L	157		*		62	132	
	N-Nitrosodiphenylamine	50	53.8	ug/L	108				61	109	
	Azobenzene	50	48.5	ug/L	97				59	106	
	4-Bromophenyl-phenylether	50	56.1	ug/L	112		*		73	103	
	Hexachlorobenzene	50	55.4	ug/L	111		*		73	106	
	Atrazine	50	67.6	ug/L	135		*		76	120	
	Pentachlorophenol	100	110	ug/L	110				47	114	
	Phenanthrene	50	53.1	ug/L	106				62	109	
	Anthracene	50	55.3	ug/L	111		*		65	110	
	Carbazole	50	49.5	ug/L	99				62	106	
	Di-n-butylphthalate	50	52.5	ug/L	105				64	106	
	Fluoranthene	50	47.9	ug/L	96				64	110	
	Benzidine	100	50.3	ug/L	50				10	94	
	Pyrene	50	53	ug/L	106		*		71	103	
	Butylbenzylphthalate	50	53.5	ug/L	107		*		61	105	
	3,3-Dichlorobenzidine	50	31.4	ug/L	63				43	108	
	Benzo(a)anthracene	50	49.5	ug/L	99				62	107	
	Chrysene	50	48.2	ug/L	96				61	108	
	bis(2-Ethylhexyl)phthalate	50	48.9	ug/L	98				59	110	
	Di-n-octyl phthalate	50	53.7	ug/L	107				52	139	
	Benzo(b)fluoranthene	50	45.1	ug/L	90				77	113	
	Benzo(k)fluoranthene	50	54.1	ug/L	108		*		77	105	
	Benzo(a)pyrene	50	54.6	ug/L	109				72	131	
	Indeno(1,2,3-cd)pyrene	50	62.3	ug/L	125		*		72	105	
	Dibenz(a,h)anthracene	50	61.1	ug/L	122		*		78	115	
	Benzo(g,h,i)perylene	50	55.7	ug/L	111				75	118	
	1,2,4,5-Tetrachlorobenzene	50	50.9	ug/L	102		*		72	101	
	1,4-Dioxane	50	38	ug/L	76				38	125	
	2,3,4,6-Tetrachlorophenol	50	57.6	ug/L	115				63	116	
	1-Methylnaphthalene	50	46.1	ug/L	92				51	114	
PB165989BSD	n-Nitrosodimethylamine	50	47.3	ug/L	95	5			55	108	20
	Pyridine	50	43.9	ug/L	88	6			29	97	20
	Benzaldehyde	50	5.1	ug/L	10	15			10	162	20
	Aniline	50	42.3	ug/L	85	5			10	130	20
	Phenol	50	49.8	ug/L	100	5			66	118	20
	bis(2-Chloroethyl)ether	50	46.9	ug/L	94	4			62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF010925**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB165989BSD	2-Chlorophenol	50	52.3	ug/L	105	4			70	117	20
	1,2-Dichlorobenzene	50	50	ug/L	100	4			72	102	20
	1,3-Dichlorobenzene	50	48.6	ug/L	97	5			71	103	20
	1,4-Dichlorobenzene	50	48.9	ug/L	98	5			76	103	20
	Benzyl Alcohol	50	52	ug/L	104	5	*		36	93	20
	2-Methylphenol	50	50.7	ug/L	101	6			69	109	20
	2,2-oxybis(1-Chloropropane)	50	45.8	ug/L	92	5			65	100	20
	Acetophenone	50	48.6	ug/L	97	4			60	104	20
	3+4-Methylphenols	50	48.6	ug/L	97	5			67	106	20
	N-Nitroso-di-n-propylamine	50	48.2	ug/L	96	4			57	107	20
	Hexachloroethane	50	51.2	ug/L	102	5			76	118	20
	Nitrobenzene	50	54.6	ug/L	109	4	*		58	106	20
	Isophorone	50	50.8	ug/L	102	4			61	102	20
	2-Nitrophenol	50	65.2	ug/L	130	5	*		70	115	20
	2,4-Dimethylphenol	50	60.5	ug/L	121	5			42	142	20
	bis(2-Chloroethoxy)methane	50	49	ug/L	98	5			58	109	20
	2,4-Dichlorophenol	50	53.8	ug/L	108	5			66	115	20
	1,2,4-Trichlorobenzene	50	49	ug/L	98	5			41	115	20
	Benzoic acid	50	57.9	ug/L	116	5			10	125	20
	Naphthalene	50	49.8	ug/L	100	6			64	107	20
	4-Chloroaniline	50	15.6	ug/L	31	5			10	85	20
	Hexachlorobutadiene	50	51.6	ug/L	103	5	*		69	101	20
	Caprolactam	50	51.4	ug/L	103	5			58	128	20
	4-Chloro-3-methylphenol	50	54	ug/L	108	7			65	114	20
	2-Methylnaphthalene	50	51.3	ug/L	103	5			64	107	20
	Hexachlorocyclopentadiene	100	200	ug/L	200	0	*		36	160	20
	2,4,6-Trichlorophenol	50	56.9	ug/L	114	3	*		61	110	20
	2,4,5-Trichlorophenol	50	56.2	ug/L	112	4	*		70	106	20
	1,1-Biphenyl	50	51.1	ug/L	102	2	*		72	98	20
	2-Chloronaphthalene	50	49.9	ug/L	100	3			59	106	20
	2-Nitroaniline	50	60.2	ug/L	120	4	*		73	114	20
	Dimethylphthalate	50	53.8	ug/L	108	3	*		64	103	20
	Acenaphthylene	50	54.1	ug/L	108	3	*		79	103	20
	2,6-Dinitrotoluene	50	58.9	ug/L	118	3	*		64	110	20
	3-Nitroaniline	50	31.1	ug/L	62	4			28	100	20
	Acenaphthene	50	59.6	ug/L	119	3	*		59	113	20
	Total PAH	800	866.3	ug/L	108	2			59	113	20
	2,4-Dinitrophenol	100	130	ug/L	130	0			36	166	20
	4-Nitrophenol	100	120	ug/L	120	9			45	147	20
	Dibenzofuran	50	51.6	ug/L	103	3			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	122.8	ug/L	123	3	*		60	115	20
	2,4-Dinitrotoluene	50	63.9	ug/L	128	2	*		60	115	20
	Diethylphthalate	50	53.4	ug/L	107	3	*		63	105	20
	4-Chlorophenyl-phenylether	50	52.3	ug/L	105	4	*		61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF010925**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB165989BSD	Fluorene	50	51.3	ug/L	103	4			64	107	20
	4-Nitroaniline	50	55	ug/L	110	5			55	125	20
	4,6-Dinitro-2-methylphenol	50	81.8	ug/L	164	4	*		62	132	20
	N-Nitrosodiphenylamine	50	55.1	ug/L	110	2	*		61	109	20
	Azobenzene	50	50.4	ug/L	101	4			59	106	20
	4-Bromophenyl-phenylether	50	57.1	ug/L	114	2	*		73	103	20
	Hexachlorobenzene	50	56.2	ug/L	112	1	*		73	106	20
	Atrazine	50	68.3	ug/L	137	1	*		76	120	20
	Pentachlorophenol	100	110	ug/L	110	0			47	114	20
	Phenanthrene	50	54.4	ug/L	109	2			62	109	20
	Anthracene	50	56.8	ug/L	114	3	*		65	110	20
	Carbazole	50	51.3	ug/L	103	4			62	106	20
	Di-n-butylphthalate	50	54.6	ug/L	109	4	*		64	106	20
	Fluoranthene	50	50.5	ug/L	101	5			64	110	20
	Benzidine	100	52.3	ug/L	52	4			10	94	20
	Pyrene	50	53.3	ug/L	107	1	*		71	103	20
	Butylbenzylphthalate	50	57.2	ug/L	114	7	*		61	105	20
	3,3-Dichlorobenzidine	50	32.2	ug/L	64	3			43	108	20
	Benzo(a)anthracene	50	48.7	ug/L	97	2			62	107	20
	Chrysene	50	52.4	ug/L	105	8			61	108	20
	bis(2-Ethylhexyl)phthalate	50	50.4	ug/L	101	3			59	110	20
	Di-n-octyl phthalate	50	55.1	ug/L	110	3			52	139	20
	Benzo(b)fluoranthene	50	49.3	ug/L	99	9			77	113	20
	Benzo(k)fluoranthene	50	52.6	ug/L	105	3			77	105	20
	Benzo(a)pyrene	50	56.5	ug/L	113	3			72	131	20
	Indeno(1,2,3-cd)pyrene	50	61.3	ug/L	123	2	*		72	105	20
	Dibenz(a,h)anthracene	50	60.9	ug/L	122	0	*		78	115	20
	Benzo(g,h,i)perylene	50	54.8	ug/L	110	2			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	51.9	ug/L	104	2	*		72	101	20
	1,4-Dioxane	50	40.6	ug/L	81	7			38	125	20
	2,3,4,6-Tetrachlorophenol	50	58.8	ug/L	118	2	*		63	116	20
	1-Methylnaphthalene	50	48.5	ug/L	97	5			51	114	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165977BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010925

SAS No.: BF010925 SDG NO.: BF010925

Lab File ID: BF141101.D

Lab Sample ID: PB165977BL

Instrument ID: BNA_F

Date Extracted: 01/08/2025

Matrix: (soil/water) Solid

Date Analyzed: 01/09/2025

Level: (low/med) LOW

Time Analyzed: 11:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165977BS	PB165977BS	BF141102.D	01/09/2025
SF-6-B	Q1034-04	BF141107.D	01/09/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165989BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010925

SAS No.: BF010925 SDG NO.: BF010925

Lab File ID: BF141103.D

Lab Sample ID: PB165989BL

Instrument ID: BNA_F

Date Extracted: 01/09/2025

Matrix: (soil/water) Water

Date Analyzed: 01/09/2025

Level: (low/med) LOW

Time Analyzed: 14:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165989BS	PB165989BS	BF141104.D	01/09/2025
PB165989BSD	PB165989BSD	BF141105.D	01/09/2025
28612	Q1033-01	BF141106.D	01/09/2025

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BF010925**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165977BL	PB165977BL	BF141101.D	2-Fluorophenol	150	133.11	89		18	112
			Phenol-d6	150	130.40	87		15	107
			Nitrobenzene-d5	100	117.65	118	*	18	107
			2-Fluorobiphenyl	100	98.44	98		20	109
			2,4,6-Tribromophenol	150	175.68	117	*	10	116
			Terphenyl-d14	100	101.52	102		10	105
PB165977BS	PB165977BS	BF141102.D	2-Fluorophenol	150	116.40	78		18	112
			Phenol-d6	150	115.23	77		15	107
			Nitrobenzene-d5	100	103.28	103		18	107
			2-Fluorobiphenyl	100	86.36	86		20	109
			2,4,6-Tribromophenol	150	154.93	103		10	116
			Terphenyl-d14	100	99.25	99		10	105
Q1034-04	SF-6-B	BF141107.D	2-Fluorophenol	150	101.79	68		18	112
			Phenol-d6	150	110.33	74		15	107
			Nitrobenzene-d5	100	108.23	108	*	18	107
			2-Fluorobiphenyl	100	89.49	89		20	109
			2,4,6-Tribromophenol	150	139.75	93		10	116
			Terphenyl-d14	100	89.88	90		10	105

Surrogate Summary

SW-846

SDG No.: **BF010925**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165989BL	PB165989BL	BF141103.D	2-Fluorophenol	150	126.66	84		10	139
			Phenol-d6	150	123.10	82		10	134
			Nitrobenzene-d5	100	109.62	110		49	133
			2-Fluorobiphenyl	100	93.17	93		52	132
			2,4,6-Tribromophenol	150	159.14	106		44	137
			Terphenyl-d14	100	98.15	98		48	125
PB165989BS	PB165989BS	BF141104.D	2-Fluorophenol	150	128.70	86		10	139
			Phenol-d6	150	126.71	84		10	134
			Nitrobenzene-d5	100	114.07	114		49	133
			2-Fluorobiphenyl	100	97.06	97		52	132
			2,4,6-Tribromophenol	150	175.53	117		44	137
			Terphenyl-d14	100	108.79	109		48	125
PB165989BSD	PB165989BSD	BF141105.D	2-Fluorophenol	150	136.76	91		10	139
			Phenol-d6	150	133.35	89		10	134
			Nitrobenzene-d5	100	119.23	119		49	133
			2-Fluorobiphenyl	100	99.81	100		52	132
			2,4,6-Tribromophenol	150	181.06	121		44	137
			Terphenyl-d14	100	111.36	111		48	125
Q1033-01	28612	BF141106.D	2-Fluorophenol	150	62.95	42		10	139
			Phenol-d6	150	40.89	27		10	134
			Nitrobenzene-d5	100	117.76	118		49	133
			2-Fluorobiphenyl	100	94.99	95		52	132
			2,4,6-Tribromophenol	150	187.45	125		44	137
			Terphenyl-d14	100	83.70	84		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF010925

Lab Code: CHEM

SAS No.: BF010925

SDG NO.: BF010925

Lab File ID: BF141099.D

DFTPP Injection Date: 01/09/2025

Instrument ID: BNA_F

DFTPP Injection Time: 10:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.8
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	29.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	95.1
443	15.0 - 24.0% of mass 442	18.8 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141100.D	01/09/2025	11:04
PB165977BL	PB165977BL	BF141101.D	01/09/2025	11:31
TESTBL-1	TESTBL-1	TESTBL-1.D	01/09/2025	12:23
TESTBS-1	TESTBS-1	TESTBS-1.D	01/09/2025	12:50
TESTBL-2	TESTBL-2	TESTBL-2.D	01/09/2025	13:16
TESTBS-2	TESTBS-2	TESTBS-2.D	01/09/2025	13:42
PB165977BS	PB165977BS	BF141102.D	01/09/2025	14:08
PB165989BL	PB165989BL	BF141103.D	01/09/2025	14:35
PB165989BS	PB165989BS	BF141104.D	01/09/2025	15:01
PB165989BSD	PB165989BSD	BF141105.D	01/09/2025	15:28
28612	Q1033-01	BF141106.D	01/09/2025	16:00
SF-6-B	Q1034-04	BF141107.D	01/09/2025	16:26