

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF010325 SAS No.: BF010325 SDG No.: BF010325

Instrument ID: BNA_F Calibration Date/Time: 1/3/2025 12:11:25

Lab File ID: BF141063.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	0.679		-8.737	
Pyridine	1.468	1.440		-1.907	
2-Fluorophenol	1.327	1.236		-6.858	
Benzaldehyde	0.941	0.933		-0.85	
Aniline	1.524	1.516		-0.525	
Phenol-d6	1.709	1.575		-7.841	
Phenol	1.767	1.714		-2.999	20.0
bis(2-Chloroethyl)ether	1.427	1.289		-9.671	
2-Chlorophenol	1.399	1.333		-4.718	
1,2-Dichlorobenzene	1.451	1.384		-4.618	
1,3-Dichlorobenzene	1.544	1.485		-3.821	
1,4-Dichlorobenzene	1.556	1.493		-4.049	20.0
Benzyl Alcohol	1.228	1.151		-6.27	
2-Methylphenol	1.162	1.097		-5.594	
2,2-oxybis(1-Chloropropane)	2.158	1.920		-11.029	
Acetophenone	0.491	0.447		-8.961	
3+4-Methylphenols	1.471	1.363		-7.342	
n-Nitroso-di-n-propylamine	1.047	0.933	0.050	-10.888	
Nitrobenzene-d5	0.313	0.353		12.78	
Hexachloroethane	0.553	0.546		-1.266	
Nitrobenzene	0.349	0.374		7.163	
Isophorone	0.680	0.630		-7.353	
2-Nitrophenol	0.118	0.162		37.288	20.0
2,4-Dimethylphenol	0.249	0.236		-5.221	
bis(2-Chloroethoxy)methane	0.431	0.398		-7.657	
2,4-Dichlorophenol	0.282	0.278		-1.418	20.0
1,2,4-Trichlorobenzene	0.319	0.308		-3.448	
Benzoic acid	0.178	0.225		26.404	
Naphthalene	1.054	0.989		-6.167	
4-Chloroaniline	0.381	0.355		-6.824	
Hexachlorobutadiene	0.188	0.188		0.0	20.0
Caprolactam	0.096	0.093		-3.125	
4-Chloro-3-methylphenol	0.313	0.299		-4.473	20.0
2-Methylnaphthalene	0.674	0.633		-6.083	
Hexachlorocyclopentadiene	0.182	0.189	0.050	3.846	
2,4,6-Trichlorophenol	0.366	0.364		-0.546	20.0
2-Fluorobiphenyl	1.255	1.155		-7.968	
2,4,5-Trichlorophenol	0.375	0.400		6.667	
1,1-Biphenyl	1.531	1.449		-5.356	

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Lab File ID: BF141063.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	1.136		-4.377	
2-Nitroaniline	0.259	0.341		31.66	
Dimethylphthalate	1.316	1.263		-4.027	
Acenaphthylene	1.710	1.639		-4.152	
2,6-Dinitrotoluene	0.231	0.293		26.84	
3-Nitroaniline	0.255	0.314		23.137	
Acenaphthene	1.156	1.126		-2.595	20.0
2,4-Dinitrophenol	0.075	0.125	0.050	66.667	
4-Nitrophenol	0.225	0.250	0.050	11.111	
Dibenzofuran	1.624	1.543		-4.988	
2,4-Dinitrotoluene	0.273	0.386		41.392	
Diethylphthalate	1.299	1.247		-4.003	
4-Chlorophenyl-phenylether	0.606	0.584		-3.63	
Fluorene	1.260	1.183		-6.111	
4-Nitroaniline	0.255	0.314		23.137	
4,6-Dinitro-2-methylphenol	0.067	0.110		64.179	
n-Nitrosodiphenylamine	0.630	0.629		-0.159	20.0
Azobenzene	1.363	1.251		-8.217	
2,4,6-Tribromophenol	0.194	0.215		10.825	
4-Bromophenyl-phenylether	0.216	0.229		6.019	
Hexachlorobenzene	0.238	0.248		4.202	
Atrazine	0.176	0.159		-9.659	
Pentachlorophenol	0.148	0.169		14.189	20.0
Phenanthrene	1.053	1.034		-1.804	
Anthracene	1.031	1.013		-1.746	
Carbazole	0.992	0.954		-3.831	
Di-n-butylphthalate	1.128	1.113		-1.33	
Fluoranthene	1.142	1.079		-5.517	20.0
Benzidine	0.423	0.608		43.735	
Pyrene	1.749	1.769		1.144	
Terphenyl-d14	1.204	1.220		1.329	
Butylbenzylphthalate	0.639	0.644		0.782	
3,3-Dichlorobenzidine	0.419	0.421		0.477	
Benzo(a)anthracene	1.394	1.282		-8.034	
Chrysene	1.257	1.158		-7.876	
Bis(2-ethylhexyl)phthalate	0.828	0.761		-8.092	
Di-n-octyl phthalate	1.199	1.123		-6.339	20.0
Benzo(b)fluoranthene	1.395	1.235		-11.47	
Benzo(k)fluoranthene	1.093	1.136		3.934	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF010325 SAS No.: BF010325 SDG No.: BF010325

Instrument ID: BNA_F Calibration Date/Time: 1/3/2025 12:11:25

Lab File ID: BF141063.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	1.060		-2.124	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.377		9.286	
Dibenzo(a,h)anthracene	1.021	1.126		10.284	
Benzo(g,h,i)perylene	1.059	1.130		6.704	
1,2,4,5-Tetrachlorobenzene	0.550	0.543		-1.273	
1,4-Dioxane	0.601	0.565		-5.99	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.330		6.452	
1-Methylnaphthalene	0.663	0.624		-5.882	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BL	SDG No.:	BF010325
Lab Sample ID:	PB165945BL	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
BF141064.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BL	SDG No.:	BF010325
Lab Sample ID:	PB165945BL	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
BF141064.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BL	SDG No.:	BF010325
Lab Sample ID:	PB165945BL	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
BF141064.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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	139.652		10-139		93	SPK: -150
13127-88-3	Phenol-d6	134.582		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	119.567		49-133		120	SPK: -100
321-60-8	2-Fluorobiphenyl	97.19		52-132		97	SPK: -100

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BL	SDG No.:	BF010325
Lab Sample ID:	PB165945BL	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
BF141064.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	169.033		44-137		113	SPK: -150
1718-51-0	Terphenyl-d14	91.581		48-125		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	240487	6.822				
1146-65-2	Naphthalene-d8	960913	8.104				
15067-26-2	Acenaphthene-d10	524906	9.857				
1517-22-2	Phenanthrene-d10	903387	11.345				
1719-03-5	Chrysene-d12	702140	13.998				
1520-96-3	Perylene-d12	553985	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.2	J			2.152	

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BS	SDG No.:	BF010325
Lab Sample ID:	PB165945BS	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
BF141065.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.7		1	8	10	ug/L
110-86-1	Pyridine	42.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	7.6	J	4	8	10	ug/L
62-53-3	Aniline	48.7		1.6	4	5	ug/L
108-95-2	Phenol	47.8		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.5		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.4		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.6		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	45.5		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	45.6		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.9		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.9		1.4	4	5	ug/L
98-86-2	Acetophenone	44.8		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	44.4		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	45.4		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46.9		1	4	5	ug/L
98-95-3	Nitrobenzene	50.7		1.3	4	5	ug/L
78-59-1	Isophorone	47.5		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	58.5		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	56.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.8		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.3		1.1	4	5	ug/L
65-85-0	Benzoic acid	51.3		5.5	8	10	ug/L
91-20-3	Naphthalene	45.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	24.8		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	46.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BS	SDG No.:	BF010325
Lab Sample ID:	PB165945BS	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
BF141065.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	48.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	47.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	180	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	50.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	45.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	54.8		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.9		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	53.8		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	36.7		1.4	4	5	ug/L
83-32-9	Acenaphthene	52.2		0.81	4	5	ug/L
Total PAH	Total PAH	793.3		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	46.7		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	57.8		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11.6		2.7	4	10	ug/L
84-66-2	Diethylphthalate	47.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.1		0.98	4	5	ug/L
86-73-7	Fluorene	45.1		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	52.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	70		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	50.6		0.89	4	5	ug/L
103-33-3	Azobenzene	45.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	52.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	51.8		1.1	4	5	ug/L
1912-24-9	Atrazine	64		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BS	SDG No.:	BF010325
Lab Sample ID:	PB165945BS	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
BF141065.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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	49.8		0.89	4	5	ug/L
120-12-7	Anthracene	51.2		1.1	4	5	ug/L
86-74-8	Carbazole	48.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	49.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	47.3		1.3	4	5	ug/L
92-87-5	Benzidine	63.2		4.1	8	10	ug/L
129-00-0	Pyrene	48.9		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	51.8		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	35.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46		0.94	4	5	ug/L
218-01-9	Chrysene	47.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	50.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	48		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	51.9		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	50.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	39.2		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	44		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126.312		10-139		84	SPK: -150
13127-88-3	Phenol-d6	124.221		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	108.674		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	87.74		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165945BS	SDG No.:	BF010325
Lab Sample ID:	PB165945BS	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
BF141065.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	157.625		44-137		105	SPK: -150
1718-51-0	Terphenyl-d14	96.383		48-125		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	261678	6.828				
1146-65-2	Naphthalene-d8	1044303	8.11				
15067-26-2	Acenaphthene-d10	561214	9.863				
1517-22-2	Phenanthrene-d10	930135	11.345				
1719-03-5	Chrysene-d12	595107	13.992				
1520-96-3	Perylene-d12	551132	15.457				

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165934TB	SDG No.:	BF010325
Lab Sample ID:	PB165934TB	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
BF141066.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165934TB	SDG No.:	BF010325
Lab Sample ID:	PB165934TB	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
BF141066.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165934TB	SDG No.:	BF010325
Lab Sample ID:	PB165934TB	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
BF141066.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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	127.831		10-139		85	SPK: -150
13127-88-3	Phenol-d6	124.72		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	109.275		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	88.028		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	PB165934TB	SDG No.:	BF010325
Lab Sample ID:	PB165934TB	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
BF141066.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	151.851		44-137		101	SPK: -150
1718-51-0	Terphenyl-d14	88.209		48-125		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	242832	6.828				
1146-65-2	Naphthalene-d8	976940	8.104				
15067-26-2	Acenaphthene-d10	530542	9.857				
1517-22-2	Phenanthrene-d10	908726	11.339				
1719-03-5	Chrysene-d12	646715	13.98				
1520-96-3	Perylene-d12	507673	15.451				

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349	SDG No.:	BF010325
Lab Sample ID:	P5398-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141067.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349	SDG No.:	BF010325
Lab Sample ID:	P5398-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141067.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

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:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349	SDG No.:	BF010325
Lab Sample ID:	P5398-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141067.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.404		10-139		81	SPK: -150
13127-88-3	Phenol-d6	110.934		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	112.105		49-133		112	SPK: -100
321-60-8	2-Fluorobiphenyl	91.845		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349	SDG No.:	BF010325
Lab Sample ID:	P5398-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141067.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	166.242		44-137		111	SPK: -150
1718-51-0	Terphenyl-d14	95.871		48-125		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	235847	6.828				
1146-65-2	Naphthalene-d8	927736	8.104				
15067-26-2	Acenaphthene-d10	501643	9.857				
1517-22-2	Phenanthrene-d10	866078	11.339				
1719-03-5	Chrysene-d12	614843	13.986				
1520-96-3	Perylene-d12	502844	15.463				

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MS	SDG No.:	BF010325
Lab Sample ID:	P5398-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141068.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	450		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	130		16	40	50	ug/L
108-95-2	Phenol	420		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	490		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	460		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	450		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	460		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	460		16	80	100	ug/L
95-48-7	2-Methylphenol	470		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	450		13.5	40	50	ug/L
98-86-2	Acetophenone	460		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	450		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	460		14.8	25	25	ug/L
67-72-1	Hexachloroethane	460		10.1	40	50	ug/L
98-95-3	Nitrobenzene	510		12.7	40	50	ug/L
78-59-1	Isophorone	480		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	600		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	580		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	460		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	500		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	450		11	40	50	ug/L
65-85-0	Benzoic acid	530		54.7	80	100	ug/L
91-20-3	Naphthalene	460		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	39.1	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	460		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MS	SDG No.:	BF010325
Lab Sample ID:	P5398-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141068.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	460		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	500		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	480		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1600	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	530		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	470		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	460		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	550		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	500		9.3	40	50	ug/L
208-96-8	Acenaphthylene	500		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	550		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	120		13.7	40	50	ug/L
83-32-9	Acenaphthene	540		8.1	40	50	ug/L
Total PAH	Total PAH	8140		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1200	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	480		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	160		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	610		15.2	40	50	ug/L
84-66-2	Diethylphthalate	500		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	470		9.8	40	50	ug/L
86-73-7	Fluorene	470		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	410		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	730		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	440		8.9	40	50	ug/L
103-33-3	Azobenzene	470		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	510		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	510		11.4	40	50	ug/L
1912-24-9	Atrazine	380		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MS	SDG No.:	BF010325
Lab Sample ID:	P5398-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141068.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	500		8.9	40	50	ug/L
120-12-7	Anthracene	510		10.7	40	50	ug/L
86-74-8	Carbazole	420		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	510		14.7	40	50	ug/L
206-44-0	Fluoranthene	470		12.9	40	50	ug/L
92-87-5	Benzidine	41	J	40.7	80	100	ug/L
129-00-0	Pyrene	520		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	580		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	49.5	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	450		9.4	40	50	ug/L
218-01-9	Chrysene	490		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	540		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	540		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	480		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	520		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	540		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	590		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	590		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	510		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	470		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	440		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	550		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	460		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122.496		10-139		82	SPK: -150
13127-88-3	Phenol-d6	116.782		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	112.22		49-133		112	SPK: -100
321-60-8	2-Fluorobiphenyl	90.837		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MS	SDG No.:	BF010325
Lab Sample ID:	P5398-02MS	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
BF141068.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	168.038		44-137		112	SPK: -150
1718-51-0	Terphenyl-d14	109.625		48-125		110	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	222417	6.828				
1146-65-2	Naphthalene-d8	884436	8.11				
15067-26-2	Acenaphthene-d10	490192	9.863				
1517-22-2	Phenanthrene-d10	852512	11.345				
1719-03-5	Chrysene-d12	505955	13.986				
1520-96-3	Perylene-d12	467838	15.439				

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MSD	SDG No.:	BF010325
Lab Sample ID:	P5398-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141069.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	300		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	120		16	40	50	ug/L
108-95-2	Phenol	370		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	430		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	410		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	400		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	400		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	400		16	80	100	ug/L
95-48-7	2-Methylphenol	420		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	400		13.5	40	50	ug/L
98-86-2	Acetophenone	400		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	400		14.8	25	25	ug/L
67-72-1	Hexachloroethane	410		10.1	40	50	ug/L
98-95-3	Nitrobenzene	450		12.7	40	50	ug/L
78-59-1	Isophorone	420		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	530		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	500		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	400		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	440		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	400		11	40	50	ug/L
65-85-0	Benzoic acid	480		54.7	80	100	ug/L
91-20-3	Naphthalene	400		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	29.5	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	400		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MSD	SDG No.:	BF010325
Lab Sample ID:	P5398-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141069.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	410		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	440		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	420		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1400	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	450		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	410		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	400		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	490		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	450		9.3	40	50	ug/L
208-96-8	Acenaphthylene	440		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	490		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	100		13.7	40	50	ug/L
83-32-9	Acenaphthene	490		8.1	40	50	ug/L
Total PAH	Total PAH	7080		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	940	E	20	80	100	ug/L
132-64-9	Dibenzofuran	420		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	540		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1030		27.6	40	100	ug/L
84-66-2	Diethylphthalate	440		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	420		9.8	40	50	ug/L
86-73-7	Fluorene	420		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	370		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	660		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	380		8.9	40	50	ug/L
103-33-3	Azobenzene	420		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	450		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	450		11.4	40	50	ug/L
1912-24-9	Atrazine	320		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MSD	SDG No.:	BF010325
Lab Sample ID:	P5398-02MSD	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
BF141069.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	930	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	430		8.9	40	50	ug/L
120-12-7	Anthracene	450		10.7	40	50	ug/L
86-74-8	Carbazole	370		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	450		14.7	40	50	ug/L
206-44-0	Fluoranthene	410		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	450		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	500		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	42.4	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	390		9.4	40	50	ug/L
218-01-9	Chrysene	420		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	480		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	480		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	420		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	460		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	470		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	500		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	510		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	420		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	410		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	380		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	480		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	400		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	108.014		10-139		72	SPK: -150
13127-88-3	Phenol-d6	103.312		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	98.432		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	79.383		52-132		79	SPK: -100

Report of Analysis

Client:		Date Collected:	12/30/2024 12:00:00 AM
Project:		Date Received:	12/30/2024 12:00:00 AM
Client Sample ID:	341-349MSD	SDG No.:	BF010325
Lab Sample ID:	P5398-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141069.D	1	1/3/2025 12:00:00 AM	1/3/2025 12:00:00 AM	PB165945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	150.845		44-137		101	SPK: -150
1718-51-0	Terphenyl-d14	95.694		48-125		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	254252	6.828				
1146-65-2	Naphthalene-d8	1023146	8.11				
15067-26-2	Acenaphthene-d10	567576	9.863				
1517-22-2	Phenanthrene-d10	995036	11.345				
1719-03-5	Chrysene-d12	590322	13.986				
1520-96-3	Perylene-d12	540826	15.439				



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

Hit Summary Sheet
SW-846

SDG No.: BF010325

Client:

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

Total Concentration:



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: 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.: BF010325 SAS No.: BF010325 SDG NO.: BF010325

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BF140974.D Time Analyzed: 13:37

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	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 PB165945BL	240487	6.82	960913	8.10	524906	9.86
02 PB165945BS	261678	6.83	1.0443e+	8.11	561214	9.86
03 PB165934TB	242832	6.83	976940	8.10	530542	9.86
04 341-349	235847	6.83	927736	8.10	501643	9.86
05 341-349MS	222417	6.83	884436	8.11	490192	9.86
06 341-349MSD	254252	6.83	1.02315e	8.11	567576	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.: BF010325 SAS No.: BF010325 SDG NO.: BF010325

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BF141063.D Time Analyzed: 13:37

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	266108	6.828	1.04508e+01	8.11	554811	9.86
UPPER LIMIT	532216	7.328	2090160	8.61	1109622	10.363
LOWER LIMIT	133054	6.328	522540	7.61	277405.5	9.363
EPA SAMPLE NO.						
01 PB165945BL	240487	6.82	960913	8.10	524906	9.86
02 PB165945BS	261678	6.83	1.0443e+	8.11	561214	9.86
03 PB165934TB	242832	6.83	976940	8.10	530542	9.86
04 341-349	235847	6.83	927736	8.10	501643	9.86
05 341-349MS	222417	6.83	884436	8.11	490192	9.86
06 341-349MSD	254252	6.83	1.02315e	8.11	567576	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.: BF010325 SAS No.: BF010325 SDG NO.: BF010325

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BF140974.D Time Analyzed: 13:37

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	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 PB165945BL	903387	11.35	702140	14.00	553985	15.49
02 PB165945BS	930135	11.35	595107	13.99	551132	15.46
03 PB165934TB	908726	11.34	646715	13.98	507673	15.45
04 341-349	866078	11.34	614843	13.99	502844	15.46
05 341-349MS	852512	11.35	505955	13.99	467838	15.44
06 341-349MSD	995036	11.35	590322	13.99	540826	15.44

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.: BF010325 SAS No.: BF010325 SDG NO.: BF010325

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BF141063.D Time Analyzed: 13:37

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	925945	11.345	573595	13.986	516250	15.457
UPPER LIMIT	1851890	11.845	1147190	14.486	1032500	15.957
LOWER LIMIT	462972.5	10.845	286797.5	13.486	258125	14.957
EPA SAMPLE NO.						
01 PB165945BL	903387	11.35	702140	14.00	553985	15.49
02 PB165945BS	930135	11.35	595107	13.99	551132	15.46
03 PB165934TB	908726	11.34	646715	13.98	507673	15.45
04 341-349	866078	11.34	614843	13.99	502844	15.46
05 341-349MS	852512	11.35	505955	13.99	467838	15.44
06 341-349MSD	995036	11.35	590322	13.99	540826	15.44

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.: **BF010325**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165945BS	n-Nitrosodimethylamine	50	44.7	ug/L	89					55	108	
	Pyridine	50	42.3	ug/L	85					29	97	
	Benzaldehyde	50	7.6	ug/L	15					10	162	
	Aniline	50	48.7	ug/L	97					10	130	
	Phenol	50	47.8	ug/L	96					66	118	
	bis(2-Chloroethyl)ether	50	45.5	ug/L	91					62	103	
	2-Chlorophenol	50	49.4	ug/L	99					70	117	
	1,2-Dichlorobenzene	50	46.6	ug/L	93					72	102	
	1,3-Dichlorobenzene	50	45.5	ug/L	91					71	103	
	1,4-Dichlorobenzene	50	45.6	ug/L	91					76	103	
	Benzyl Alcohol	50	47.9	ug/L	96		*			36	93	
	2-Methylphenol	50	47.8	ug/L	96					69	109	
	2,2-oxybis(1-Chloropropane)	50	45.9	ug/L	92					65	100	
	Acetophenone	50	44.8	ug/L	90					60	104	
	3+4-Methylphenols	50	44.4	ug/L	89					67	106	
	N-Nitroso-di-n-propylamine	50	45.4	ug/L	91					57	107	
	Hexachloroethane	50	46.9	ug/L	94					76	118	
	Nitrobenzene	50	50.7	ug/L	101					58	106	
	Isophorone	50	47.5	ug/L	95					61	102	
	2-Nitrophenol	50	58.5	ug/L	117		*			70	115	
	2,4-Dimethylphenol	50	56.1	ug/L	112					42	142	
	bis(2-Chloroethoxy)methane	50	45.8	ug/L	92					58	109	
	2,4-Dichlorophenol	50	48.9	ug/L	98					66	115	
	1,2,4-Trichlorobenzene	50	45.3	ug/L	91					41	115	
	Benzoic acid	50	51.3	ug/L	103					10	125	
	Naphthalene	50	45.4	ug/L	91					64	107	
	4-Chloroaniline	50	24.8	ug/L	50					10	85	
	Hexachlorobutadiene	50	46.4	ug/L	93					69	101	
	Caprolactam	50	48.9	ug/L	98					58	128	
	4-Chloro-3-methylphenol	50	47.8	ug/L	96					65	114	
	2-Methylnaphthalene	50	46.2	ug/L	92					64	107	
	Hexachlorocyclopentadiene	100	180	ug/L	180		*			36	160	
	2,4,6-Trichlorophenol	50	51.6	ug/L	103					61	110	
	2,4,5-Trichlorophenol	50	50.2	ug/L	100					70	106	
	1,1-Biphenyl	50	46	ug/L	92					72	98	
	2-Chloronaphthalene	50	45.1	ug/L	90					59	106	
	2-Nitroaniline	50	54.8	ug/L	110					73	114	
	Dimethylphthalate	50	48.5	ug/L	97					64	103	
	Acenaphthylene	50	48.9	ug/L	98					79	103	
	2,6-Dinitrotoluene	50	53.8	ug/L	108					64	110	
	3-Nitroaniline	50	36.7	ug/L	73					28	100	
	Acenaphthene	50	52.2	ug/L	104					59	113	
	Total PAH	800	793.3	ug/L	99					59	113	
	2,4-Dinitrophenol	100	110	ug/L	110					36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF010325**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB165945BS	4-Nitrophenol	100	110	ug/L	110				45	147	
	Dibenzofuran	50	46.7	ug/L	93				65	106	
	2,4-Dinitrotoluene	50	57.8	ug/L	116		*		60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	111.6	ug/L	112				60	115	
	Diethylphthalate	50	47.4	ug/L	95				63	105	
	4-Chlorophenyl-phenylether	50	46.1	ug/L	92				61	104	
	Fluorene	50	45.1	ug/L	90				64	107	
	4-Nitroaniline	50	52.4	ug/L	105				55	125	
	4,6-Dinitro-2-methylphenol	50	70	ug/L	140		*		62	132	
	N-Nitrosodiphenylamine	50	50.6	ug/L	101				61	109	
	Azobenzene	50	45.8	ug/L	92				59	106	
	4-Bromophenyl-phenylether	50	52.1	ug/L	104		*		73	103	
	Hexachlorobenzene	50	51.8	ug/L	104				73	106	
	Atrazine	50	64	ug/L	128		*		76	120	
	Pentachlorophenol	100	110	ug/L	110				47	114	
	Phenanthrene	50	49.8	ug/L	100				62	109	
	Anthracene	50	51.2	ug/L	102				65	110	
	Carbazole	50	48.1	ug/L	96				62	106	
	Di-n-butylphthalate	50	49.2	ug/L	98				64	106	
	Fluoranthene	50	47.3	ug/L	95				64	110	
	Benzidine	100	63.2	ug/L	63				10	94	
	Pyrene	50	48.9	ug/L	98				71	103	
	Butylbenzylphthalate	50	51.8	ug/L	104				61	105	
	3,3-Dichlorobenzidine	50	35.7	ug/L	71				43	108	
	Benzo(a)anthracene	50	46	ug/L	92				62	107	
	Chrysene	50	47.9	ug/L	96				61	108	
	bis(2-Ethylhexyl)phthalate	50	47	ug/L	94				59	110	
	Di-n-octyl phthalate	50	50.7	ug/L	101				52	139	
	Benzo(b)fluoranthene	50	48.8	ug/L	98				77	113	
	Benzo(k)fluoranthene	50	48	ug/L	96				77	105	
	Benzo(a)pyrene	50	51.9	ug/L	104				72	131	
	Indeno(1,2,3-cd)pyrene	50	55.8	ug/L	112		*		72	105	
	Dibenz(a,h)anthracene	50	55.6	ug/L	111				78	115	
	Benzo(g,h,i)perylene	50	50.5	ug/L	101				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.9	ug/L	94				72	101	
	1,4-Dioxane	50	39.2	ug/L	78				38	125	
	2,3,4,6-Tetrachlorophenol	50	53.5	ug/L	107				63	116	
	1-Methylnaphthalene	50	44	ug/L	88				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165945BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010325

SAS No.: BF010325 SDG NO.: BF010325

Lab File ID: BF141064.D

Lab Sample ID: PB165945BL

Instrument ID: BNA_F

Date Extracted: 01/03/2025

Matrix: (soil/water) water

Date Analyzed: 01/03/2025

Level: (low/med) LOW

Time Analyzed: 13:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165945BS	PB165945BS	BF141065.D	01/03/2025
PB165934TB	PB165934TB	BF141066.D	01/03/2025
341-349	P5398-02	BF141067.D	01/03/2025
341-349MS	P5398-02MS	BF141068.D	01/03/2025
341-349MSD	P5398-02MSD	BF141069.D	01/03/2025

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010325

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5398-02MS		Client Sample ID: 341-349MS		DataFile: BF141068.D							
n-Nitrosodimethylamine	500		450	ug/L	90				10	130	
Pyridine	500		330	ug/L	66				10	109	
Benzaldehyde	500			ug/L	0	*			10	137	
Aniline	500		130	ug/L	26				10	130	
Phenol	500		420	ug/L	84				10	130	
bis(2-Chloroethyl)ether	500		460	ug/L	92				29	141	
2-Chlorophenol	500		490	ug/L	98				23	127	
1,2-Dichlorobenzene	500		460	ug/L	92				61	114	
1,3-Dichlorobenzene	500		450	ug/L	90				65	106	
1,4-Dichlorobenzene	500		460	ug/L	92				55	125	
Benzyl Alcohol	500		460	ug/L	92				31	94	
2-Methylphenol	500		470	ug/L	94				37	126	
2,2-oxybis(1-Chloropropane)	500		450	ug/L	90				36	141	
Acetophenone	500		460	ug/L	92				31	164	
3+4-Methylphenols	500		450	ug/L	90				31	127	
N-Nitroso-di-n-propylamine	500		460	ug/L	92				36	147	
Hexachloroethane	500		460	ug/L	92				49	110	
Nitrobenzene	500		510	ug/L	102				62	112	
Isophorone	500		480	ug/L	96				39	146	
2-Nitrophenol	500		600	ug/L	120				30	148	
2,4-Dimethylphenol	500		580	ug/L	116				17	143	
bis(2-Chloroethoxy)methane	500		460	ug/L	92				39	143	
2,4-Dichlorophenol	500		500	ug/L	100				22	146	
1,2,4-Trichlorobenzene	500		450	ug/L	90				66	110	
Benzoic acid	500		530	ug/L	106	*			10	101	
Naphthalene	500		460	ug/L	92				17	157	
4-Chloroaniline	500		39.1	ug/L	8	*			10	95	
Hexachlorobutadiene	500		460	ug/L	92				52	125	
Caprolactam	500		460	ug/L	92				10	130	
4-Chloro-3-methylphenol	500		500	ug/L	100				17	148	
2-Methylnaphthalene	500		480	ug/L	96				38	146	
Hexachlorocyclopentadiene	1000		1600	ug/L	160	*			20	153	
2,4,6-Trichlorophenol	500		530	ug/L	106				78	112	
2,4,5-Trichlorophenol	500		500	ug/L	100				71	111	
1,1-Biphenyl	500		470	ug/L	94				38	154	
2-Chloronaphthalene	500		460	ug/L	92				41	145	
2-Nitroaniline	500		550	ug/L	110				39	151	
Dimethylphthalate	500		500	ug/L	100				42	147	
Acenaphthylene	500		500	ug/L	100				40	141	
2,6-Dinitrotoluene	500		550	ug/L	110				43	148	
3-Nitroaniline	500		120	ug/L	24				10	111	
Acenaphthene	500		540	ug/L	108				37	146	
Total PAH	8000		8140	ug/L	102				37	146	
2,4-Dinitrophenol	1000		1200	ug/L	120				14	167	
4-Nitrophenol	1000		1100	ug/L	110				10	130	
Dibenzofuran	500		480	ug/L	96				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010325

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		610	ug/L	122				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1160	ug/L	116				50	142	
Diethylphthalate	500		500	ug/L	100				41	148	
4-Chlorophenyl-phenylether	500		470	ug/L	94				38	149	
Fluorene	500		470	ug/L	94				39	144	
4-Nitroaniline	500		410	ug/L	82				27	138	
4,6-Dinitro-2-methylphenol	500		730	ug/L	146				32	175	
N-Nitrosodiphenylamine	500		440	ug/L	88				40	150	
Azobenzene	500		470	ug/L	94				72	112	
4-Bromophenyl-phenylether	500		510	ug/L	102				42	151	
Hexachlorobenzene	500		510	ug/L	102				72	115	
Atrazine	500		380	ug/L	76				20	162	
Pentachlorophenol	1000		1100	ug/L	110				25	139	
Phenanthrene	500		500	ug/L	100				40	147	
Anthracene	500		510	ug/L	102				41	146	
Carbazole	500		420	ug/L	84				37	154	
Di-n-butylphthalate	500		510	ug/L	102				40	151	
Fluoranthene	500		470	ug/L	94				42	146	
Benzidine	1000		41	ug/L	4	*			10	130	
Pyrene	500		520	ug/L	104				41	149	
Butylbenzylphthalate	500		580	ug/L	116				39	155	
3,3-Dichlorobenzidine	500		49.5	ug/L	10				10	114	
Benzo(a)anthracene	500		450	ug/L	90				41	147	
Chrysene	500		490	ug/L	98				44	144	
bis(2-Ethylhexyl)phthalate	500		540	ug/L	108				33	160	
Di-n-octyl phthalate	500		540	ug/L	108				36	158	
Benzo(b)fluoranthene	500		480	ug/L	96				40	150	
Benzo(k)fluoranthene	500		520	ug/L	104				40	147	
Benzo(a)pyrene	500		540	ug/L	108				42	147	
Indeno(1,2,3-cd)pyrene	500		590	ug/L	118				30	166	
Dibenz(a,h)anthracene	500		590	ug/L	118				23	172	
Benzo(g,h,i)perylene	500		510	ug/L	102				27	167	
1,2,4,5-Tetrachlorobenzene	500		470	ug/L	94				89	102	
1,4-Dioxane	500		440	ug/L	88				38	130	
2,3,4,6-Tetrachlorophenol	500		550	ug/L	110				91	111	
1-Methylnaphthalene	500		460	ug/L	92				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010325

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5398-02MSD		Client Sample ID: 341-349MSD		DataFile: BF141069.D							
n-Nitrosodimethylamine	500		400	ug/L	80		12		10	130	20
Pyridine	500		300	ug/L	60		10		10	109	20
Benzaldehyde	500			ug/L	0	*			10	137	20
Aniline	500		120	ug/L	24		8		10	130	20
Phenol	500		370	ug/L	74		13		10	130	20
bis(2-Chloroethyl)ether	500		400	ug/L	80		14		29	141	20
2-Chlorophenol	500		430	ug/L	86		13		23	127	20
1,2-Dichlorobenzene	500		410	ug/L	82		11		61	114	20
1,3-Dichlorobenzene	500		400	ug/L	80		12		65	106	20
1,4-Dichlorobenzene	500		400	ug/L	80		14		55	125	20
Benzyl Alcohol	500		400	ug/L	80		14		31	94	20
2-Methylphenol	500		420	ug/L	84		11		37	126	20
2,2-oxybis(1-Chloropropane)	500		400	ug/L	80		12		36	141	20
Acetophenone	500		400	ug/L	80		14		31	164	20
3+4-Methylphenols	500		400	ug/L	80		12		31	127	20
N-Nitroso-di-n-propylamine	500		400	ug/L	80		14		36	147	20
Hexachloroethane	500		410	ug/L	82		11		49	110	20
Nitrobenzene	500		450	ug/L	90		13		62	112	20
Isophorone	500		420	ug/L	84		13		39	146	20
2-Nitrophenol	500		530	ug/L	106		12		30	148	20
2,4-Dimethylphenol	500		500	ug/L	100		15		17	143	20
bis(2-Chloroethoxy)methane	500		400	ug/L	80		14		39	143	20
2,4-Dichlorophenol	500		440	ug/L	88		13		22	146	20
1,2,4-Trichlorobenzene	500		400	ug/L	80		12		66	110	20
Benzoic acid	500		480	ug/L	96		10		10	101	20
Naphthalene	500		400	ug/L	80		14		17	157	20
4-Chloroaniline	500		29.5	ug/L	6	*	29	*	10	95	20
Hexachlorobutadiene	500		400	ug/L	80		14		52	125	20
Caprolactam	500		410	ug/L	82		11		10	130	20
4-Chloro-3-methylphenol	500		440	ug/L	88		13		17	148	20
2-Methylnaphthalene	500		420	ug/L	84		13		38	146	20
Hexachlorocyclopentadiene	1000		1400	ug/L	140		13		20	153	20
2,4,6-Trichlorophenol	500		460	ug/L	92		14		78	112	20
2,4,5-Trichlorophenol	500		450	ug/L	90		11		71	111	20
1,1-Biphenyl	500		410	ug/L	82		14		38	154	20
2-Chloronaphthalene	500		400	ug/L	80		14		41	145	20
2-Nitroaniline	500		490	ug/L	98		12		39	151	20
Dimethylphthalate	500		450	ug/L	90		11		42	147	20
Acenaphthylene	500		440	ug/L	88		13		40	141	20
2,6-Dinitrotoluene	500		490	ug/L	98		12		43	148	20
3-Nitroaniline	500		100	ug/L	20		18		10	111	20
Acenaphthene	500		490	ug/L	98		10		37	146	20
Total PAH	8000		7080	ug/L	89		14		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		9		14	167	20
4-Nitrophenol	1000		940	ug/L	94		16		10	130	20
Dibenzofuran	500		420	ug/L	84		13		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010325

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		540	ug/L	108		12		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1030	ug/L	103		12		50	142	20
Diethylphthalate	500		440	ug/L	88		13		41	148	20
4-Chlorophenyl-phenylether	500		420	ug/L	84		11		38	149	20
Fluorene	500		420	ug/L	84		11		39	144	20
4-Nitroaniline	500		370	ug/L	74		10		27	138	20
4,6-Dinitro-2-methylphenol	500		660	ug/L	132		10		32	175	20
N-Nitrosodiphenylamine	500		380	ug/L	76		15		40	150	20
Azobenzene	500		420	ug/L	84		11		72	112	20
4-Bromophenyl-phenylether	500		450	ug/L	90		13		42	151	20
Hexachlorobenzene	500		450	ug/L	90		13		72	115	20
Atrazine	500		320	ug/L	64		17		20	162	20
Pentachlorophenol	1000		930	ug/L	93		17		25	139	20
Phenanthrene	500		430	ug/L	86		15		40	147	20
Anthracene	500		450	ug/L	90		13		41	146	20
Carbazole	500		370	ug/L	74		13		37	154	20
Di-n-butylphthalate	500		450	ug/L	90		13		40	151	20
Fluoranthene	500		410	ug/L	82		14		42	146	20
Benzidine	1000		0	ug/L	0	*	200	*	10	130	20
Pyrene	500		450	ug/L	90		14		41	149	20
Butylbenzylphthalate	500		500	ug/L	100		15		39	155	20
3,3-Dichlorobenzidine	500		42.4	ug/L	8	*	22	*	10	114	20
Benzo(a)anthracene	500		390	ug/L	78		14		41	147	20
Chrysene	500		420	ug/L	84		15		44	144	20
bis(2-Ethylhexyl)phthalate	500		480	ug/L	96		12		33	160	20
Di-n-octyl phthalate	500		480	ug/L	96		12		36	158	20
Benzo(b)fluoranthene	500		420	ug/L	84		13		40	150	20
Benzo(k)fluoranthene	500		460	ug/L	92		12		40	147	20
Benzo(a)pyrene	500		470	ug/L	94		14		42	147	20
Indeno(1,2,3-cd)pyrene	500		500	ug/L	100		17		30	166	20
Dibenz(a,h)anthracene	500		510	ug/L	102		15		23	172	20
Benzo(g,h,i)perylene	500		420	ug/L	84		19		27	167	20
1,2,4,5-Tetrachlorobenzene	500		410	ug/L	82	*	14		89	102	20
1,4-Dioxane	500		380	ug/L	76		15		38	130	20
2,3,4,6-Tetrachlorophenol	500		480	ug/L	96		14		91	111	20
1-Methylnaphthalene	500		400	ug/L	80		14		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF010325**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5398-02	341-349	BF141067.D	2-Fluorophenol	150	121.40	81		10	139
			Phenol-d6	150	110.93	74		10	134
			Nitrobenzene-d5	100	112.11	112		49	133
			2-Fluorobiphenyl	100	91.85	92		52	132
			2,4,6-Tribromophenol	150	166.24	111		44	137
			Terphenyl-d14	100	95.87	96		48	125
P5398-02MS	341-349MS	BF141068.D	2-Fluorophenol	150	122.50	82		10	139
			Phenol-d6	150	116.78	78		10	134
			Nitrobenzene-d5	100	112.22	112		49	133
			2-Fluorobiphenyl	100	90.84	91		52	132
			2,4,6-Tribromophenol	150	168.04	112		44	137
			Terphenyl-d14	100	109.63	110		48	125
P5398-02MSD	341-349MSD	BF141069.D	2-Fluorophenol	150	108.01	72		10	139
			Phenol-d6	150	103.31	69		10	134
			Nitrobenzene-d5	100	98.43	98		49	133
			2-Fluorobiphenyl	100	79.38	79		52	132
			2,4,6-Tribromophenol	150	150.85	101		44	137
			Terphenyl-d14	100	95.69	96		48	125
PB165934TB	PB165934TB	BF141066.D	2-Fluorophenol	150	127.83	85		10	139
			Phenol-d6	150	124.72	83		10	134
			Nitrobenzene-d5	100	109.28	109		49	133
			2-Fluorobiphenyl	100	88.03	88		52	132
			2,4,6-Tribromophenol	150	151.85	101		44	137
			Terphenyl-d14	100	88.21	88		48	125
PB165945BL	PB165945BL	BF141064.D	2-Fluorophenol	150	139.65	93		10	139
			Phenol-d6	150	134.58	90		10	134
			Nitrobenzene-d5	100	119.57	120		49	133
			2-Fluorobiphenyl	100	97.19	97		52	132
			2,4,6-Tribromophenol	150	169.03	113		44	137
			Terphenyl-d14	100	91.58	92		48	125
PB165945BS	PB165945BS	BF141065.D	2-Fluorophenol	150	126.31	84		10	139
			Phenol-d6	150	124.22	83		10	134
			Nitrobenzene-d5	100	108.67	109		49	133
			2-Fluorobiphenyl	100	87.74	88		52	132
			2,4,6-Tribromophenol	150	157.63	105		44	137
			Terphenyl-d14	100	96.38	96		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF010325

Lab Code: CHEM

SAS No.: BF010325

SDG NO.: BF010325

Lab File ID: BF141062.D

DFTPP Injection Date: 01/03/2025

Instrument ID: BNA_F

DFTPP Injection Time: 10:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	41
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	6.1
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BF141063.D	01/03/2025	11:25
PB165945BL	PB165945BL	BF141064.D	01/03/2025	13:37
PB165945BS	PB165945BS	BF141065.D	01/03/2025	14:03
PB165934TB	PB165934TB	BF141066.D	01/03/2025	14:30
341-349	P5398-02	BF141067.D	01/03/2025	15:02
341-349MS	P5398-02MS	BF141068.D	01/03/2025	15:29
341-349MSD	P5398-02MSD	BF141069.D	01/03/2025	15:55