

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF012225 SAS No.: BF012225 SDG No.: BF012225

Instrument ID: BNA_F Calibration Date/Time: 1/22/2025 1:14:24

Lab File ID: BF141236.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	0.691	0.639		-7.525	
Pyridine	1.414	1.294		-8.487	
2-Fluorophenol	1.295	1.222		-5.637	
Benzaldehyde	0.966	1.044		8.075	
Aniline	1.456	1.316		-9.615	
Phenol-d6	1.640	1.568		-4.39	
Phenol	1.756	1.658		-5.581	20.0
bis(2-Chloroethyl) ether	1.308	1.286		-1.682	
2-Chlorophenol	1.389	1.357		-2.304	
1,2-Dichlorobenzene	1.456	1.409		-3.228	
1,3-Dichlorobenzene	1.549	1.505		-2.841	
1,4-Dichlorobenzene	1.561	1.502		-3.78	20.0
Benzyl Alcohol	1.184	1.155		-2.449	
2-Methylphenol	1.121	1.117		-0.357	
2,2-oxybis(1-Chloropropane)	1.826	1.658		-9.2	
Acetophenone	0.475	0.452		-4.842	
3+4-Methylphenols	1.415	1.353		-4.382	
n-Nitroso-di-n-propylamine	0.966	0.916	0.050	-5.176	
Nitrobenzene-d5	0.377	0.367		-2.653	
Hexachloroethane	0.565	0.554		-1.947	
Nitrobenzene	0.393	0.383		-2.545	
Isophorone	0.645	0.628		-2.636	
2-Nitrophenol	0.179	0.188		5.028	20.0
2,4-Dimethylphenol	0.241	0.236		-2.075	
bis(2-Chloroethoxy) methane	0.405	0.396		-2.222	
2,4-Dichlorophenol	0.287	0.287		0.0	20.0
1,2,4-Trichlorobenzene	0.328	0.326		-0.61	
Benzoic acid	0.231	0.247		6.926	
Naphthalene	1.055	1.016		-3.697	
4-Chloroaniline	0.365	0.338		-7.397	
Hexachlorobutadiene	0.197	0.201		2.03	20.0
Caprolactam	0.094	0.094		0.0	
4-Chloro-3-methylphenol	0.313	0.314		0.319	20.0
2-Methylnaphthalene	0.672	0.656		-2.381	
Hexachlorocyclopentadiene	0.188	0.198	0.050	5.319	
2,4,6-Trichlorophenol	0.387	0.383		-1.034	20.0
2-Fluorobiphenyl	1.310	1.258		-3.969	
2,4,5-Trichlorophenol	0.409	0.429		4.89	
1,1-Biphenyl	1.553	1.511		-2.704	

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Lab File ID: BF141236.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	1.210	1.172		-3.14	
2-Nitroaniline	0.359	0.359		0.0	
Dimethylphthalate	1.343	1.340		-0.223	
Acenaphthylene	1.728	1.684		-2.546	
2,6-Dinitrotoluene	0.312	0.321		2.885	
3-Nitroaniline	0.317	0.318		0.315	
Acenaphthene	1.208	1.202		-0.497	20.0
2,4-Dinitrophenol	0.148	0.173	0.050	16.892	
4-Nitrophenol	0.248	0.261	0.050	5.242	
Dibenzofuran	1.642	1.615		-1.644	
2,4-Dinitrotoluene	0.402	0.424		5.473	
Diethylphthalate	1.311	1.330		1.449	
4-Chlorophenyl-phenylether	0.622	0.626		0.643	
Fluorene	1.276	1.252		-1.881	
4-Nitroaniline	0.311	0.330		6.109	
4,6-Dinitro-2-methylphenol	0.116	0.138		18.966	
n-Nitrosodiphenylamine	0.645	0.638		-1.085	20.0
Azobenzene	1.293	1.261		-2.475	
2,4,6-Tribromophenol	0.228	0.250		9.649	
4-Bromophenyl-phenylether	0.230	0.238		3.478	
Hexachlorobenzene	0.256	0.268		4.688	
Atrazine	0.174	0.189		8.621	
Pentachlorophenol	0.164	0.181		10.366	20.0
Phenanthrene	1.074	1.056		-1.676	
Anthracene	1.044	1.049		0.479	
Carbazole	0.957	0.975		1.881	
Di-n-butylphthalate	1.096	1.151		5.018	
Fluoranthene	1.071	1.135		5.976	20.0
Benzidine	0.371	0.271		-26.954	
Pyrene	1.910	1.700		-10.995	
Terphenyl-d14	1.346	1.218		-9.51	
Butylbenzylphthalate	0.637	0.666		4.553	
3,3-Dichlorobenzidine	0.433	0.381		-12.009	
Benzo(a)anthracene	1.361	1.264		-7.127	
Chrysene	1.274	1.192		-6.436	
Bis(2-ethylhexyl)phthalate	0.764	0.831		8.77	
Di-n-octyl phthalate	1.154	1.284		11.265	20.0
Benzo(b)fluoranthene	1.290	1.353		4.884	
Benzo(k)fluoranthene	1.090	1.073		-1.56	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF012225 SAS No.: BF012225 SDG No.: BF012225

Instrument ID: BNA_F Calibration Date/Time: 1/22/2025 1:14:24

Lab File ID: BF141236.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	1.064	1.046		-1.692	20.0
Indeno(1,2,3-cd)pyrene	1.465	1.278		-12.765	
Dibenzo(a,h)anthracene	1.185	1.038		-12.405	
Benzo(g,h,i)perylene	1.233	1.086		-11.922	
1,2,4,5-Tetrachlorobenzene	0.574	0.574		0.0	
1,4-Dioxane	0.577	0.520		-9.879	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.341		0.294	
1-Methylnaphthalene	0.662	0.640		-3.323	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/22/2025 12:00:00 AM
Project:		Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BL	SDG No.:	BF012225
Lab Sample ID:	PB166167BL	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
BF141237.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

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:	1/22/2025 12:00:00 AM
Project:		Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BL	SDG No.:	BF012225
Lab Sample ID:	PB166167BL	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
BF141237.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

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



Client:				Date Collected:	1/22/2025 12:00:00 AM	
Project:				Date Received:	1/22/2025 12:00:00 AM	
Client Sample ID:	PB166167BL			SDG No.:	BF012225	
Lab Sample ID:	PB166167BL			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
BF141237.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

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	128.596		18-112		86	SPK: -150
13127-88-3	Phenol-d6	125.421		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	88.935		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	88.397		20-109		88	SPK: -100

Report of Analysis

Client:		Date Collected:	1/22/2025 12:00:00 AM
Project:		Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BL	SDG No.:	BF012225
Lab Sample ID:	PB166167BL	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
BF141237.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	145.173		10-116		97	SPK: -150
1718-51-0	Terphenyl-d14	79.566		10-105		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164883	6.804				
1146-65-2	Naphthalene-d8	660162	8.086				
15067-26-2	Acenaphthene-d10	360579	9.845				
1517-22-2	Phenanthrene-d10	625546	11.327				
1719-03-5	Chrysene-d12	483840	13.98				
1520-96-3	Perylene-d12	379156	15.456				

Report of Analysis

Client:		Date Collected:	1/22/2025 12:00:00 AM
Project:		Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BS	SDG No.:	BF012225
Lab Sample ID:	PB166167BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141238.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.8	270	330	ug/Kg
110-86-1	Pyridine	1300		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	260	J	180	270	330	ug/Kg
62-53-3	Aniline	1200		96.9	130	170	ug/Kg
108-95-2	Phenol	1600		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1700		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	130	170	ug/Kg
78-59-1	Isophorone	1700		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1700		240	270	330	ug/Kg
91-20-3	Naphthalene	1600		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	620		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/22/2025 12:00:00 AM
Project:		Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BS	SDG No.:	BF012225
Lab Sample ID:	PB166167BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141238.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	940		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1800		81.1	130	170	ug/Kg
Total PAH	Total PAH	26700		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3900	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.6	130	170	ug/Kg
86-73-7	Fluorene	1600		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		85	130	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/22/2025 12:00:00 AM
Project:		Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BS	SDG No.:	BF012225
Lab Sample ID:	PB166167BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141238.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3400	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1700		84	130	170	ug/Kg
120-12-7	Anthracene	1800		84.4	130	170	ug/Kg
86-74-8	Carbazole	1700		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1800		81.7	130	170	ug/Kg
92-87-5	Benzidine	1800		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	910		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.7	130	170	ug/Kg
218-01-9	Chrysene	1600		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1600		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.545		18-112		88	SPK: -150
13127-88-3	Phenol-d6	130.769		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	91.842		18-107		92	SPK: -100
321-60-8	2-Fluorobiphenyl	91.308		20-109		91	SPK: -100

Report of Analysis

Client:		Date Collected:	1/22/2025 12:00:00 AM
Project:		Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BS	SDG No.:	BF012225
Lab Sample ID:	PB166167BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141238.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	156.341		10-116		104	SPK: -150
1718-51-0	Terphenyl-d14	90.915		10-105		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162146	6.804				
1146-65-2	Naphthalene-d8	643626	8.086				
15067-26-2	Acenaphthene-d10	354213	9.845				
1517-22-2	Phenanthrene-d10	605908	11.333				
1719-03-5	Chrysene-d12	420035	13.98				
1520-96-3	Perylene-d12	354890	15.457				

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125	SDG No.:	BF012225
Lab Sample ID:	Q1142-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141239.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	61	U	61	190	230	ug/Kg
110-86-1	Pyridine	56.1	U	56.1	91.3	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	68.1	U	68.1	91.3	120	ug/Kg
108-95-2	Phenol	58.2	U	58.2	91.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.8	U	58.8	91.3	120	ug/Kg
95-57-8	2-Chlorophenol	58.7	U	58.7	91.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.4	U	59.4	91.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.4	U	60.4	91.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60.8	U	60.8	91.3	120	ug/Kg
100-51-6	Benzyl Alcohol	58.3	U	58.3	190	230	ug/Kg
95-48-7	2-Methylphenol	56.6	U	56.6	91.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63.8	U	63.8	91.3	120	ug/Kg
98-86-2	Acetophenone	61	U	61	91.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	56.1	U	56.1	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.3	U	28.3	56.2	56.2	ug/Kg
67-72-1	Hexachloroethane	58.3	U	58.3	91.3	120	ug/Kg
98-95-3	Nitrobenzene	63.8	U	63.8	91.3	120	ug/Kg
78-59-1	Isophorone	59.4	U	59.4	91.3	120	ug/Kg
88-75-5	2-Nitrophenol	66.4	U	66.4	91.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	65.5	U	65.5	91.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.3	U	60.3	91.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53	U	53	91.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	60	U	60	91.3	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	230	ug/Kg
91-20-3	Naphthalene	130		58	91.3	120	ug/Kg
106-47-8	4-Chloroaniline	58	U	58	91.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.5	U	58.5	91.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125	SDG No.:	BF012225
Lab Sample ID:	Q1142-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141239.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	61	U	61	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.4	U	54.4	91.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	96.8	J	57.9	91.3	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.2	U	50.2	91.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52	U	52	91.3	120	ug/Kg
92-52-4	1,1-Biphenyl	61.4	U	61.4	91.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.5	U	58.5	91.3	120	ug/Kg
88-74-4	2-Nitroaniline	66.7	U	66.7	91.3	120	ug/Kg
131-11-3	Dimethylphthalate	57.4	U	57.4	91.3	120	ug/Kg
208-96-8	Acenaphthylene	60.8	U	60.8	91.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.4	U	58.4	91.3	120	ug/Kg
99-09-2	3-Nitroaniline	62.7	U	62.7	91.3	120	ug/Kg
83-32-9	Acenaphthene	58.3	J	57	91.3	120	ug/Kg
Total PAH	Total PAH	3758.3		930.9	91.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	81.5	U	81.5	190	230	ug/Kg
132-64-9	Dibenzofuran	68.8	J	59.3	91.3	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.5	U	60.5	91.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	18.9	U	118.9	91.3	240	ug/Kg
84-66-2	Diethylphthalate	56.3	U	56.3	91.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.1	U	60.1	91.3	120	ug/Kg
86-73-7	Fluorene	150		60.1	91.3	120	ug/Kg
100-01-6	4-Nitroaniline	75.2	U	75.2	91.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	82.2	U	82.2	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	57.3	U	57.3	91.3	120	ug/Kg
103-33-3	Azobenzene	55.9	U	55.9	91.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55.4	U	55.4	91.3	120	ug/Kg
118-74-1	Hexachlorobenzene	59.7	U	59.7	91.3	120	ug/Kg
1912-24-9	Atrazine	64.2	U	64.2	91.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125	SDG No.:	BF012225
Lab Sample ID:	Q1142-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141239.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	54.3	U	54.3	190	230	ug/Kg
85-01-8	Phenanthrene	670		59	91.3	120	ug/Kg
120-12-7	Anthracene	150		59.3	91.3	120	ug/Kg
86-74-8	Carbazole	56.4	U	56.4	91.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	59.2	U	59.2	91.3	120	ug/Kg
206-44-0	Fluoranthene	610		57.4	91.3	120	ug/Kg
92-87-5	Benzidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	440		58.3	91.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	68	U	68	91.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69.3	U	69.3	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	310		56.7	91.3	120	ug/Kg
218-01-9	Chrysene	250		55.8	91.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.9	U	63.9	91.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	77.3	U	77.3	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	350		57	91.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	120		58	91.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	300		65.3	91.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	54.9	91.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57	U	57	91.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	56.3	91.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61	U	61	91.3	120	ug/Kg
123-91-1	1,4-Dioxane	77.3	U	77.3	91.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.5	U	52.5	91.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	77.5	J	58.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	57.422		18-112		38	SPK: -150
13127-88-3	Phenol-d6	56.475		15-107		38	SPK: -150
4165-60-0	Nitrobenzene-d5	38.486		18-107		38	SPK: -100
321-60-8	2-Fluorobiphenyl	39.036		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125	SDG No.:	BF012225
Lab Sample ID:	Q1142-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141239.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	57.025		10-116		38	SPK: -150
1718-51-0	Terphenyl-d14	29.529		10-105		30	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	133033	6.804				
1146-65-2	Naphthalene-d8	537232	8.087				
15067-26-2	Acenaphthene-d10	283396	9.839				
1517-22-2	Phenanthrene-d10	449607	11.327				
1719-03-5	Chrysene-d12	306146	13.974				
1520-96-3	Perylene-d12	323998	15.457				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-59-4	Tetradecane	140	J			9.245	
000581-40-8	Naphthalene, 2,3-dimethyl-	120	J			9.498	
003386-33-2	Octadecane, 1-chloro-	80.3	J			9.563	
000629-92-5	Nonadecane	150	J			9.775	
000629-78-7	Heptadecane	170	J			10.275	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	87.6	J			10.498	
000119-61-9	Benzophenone	150	J			10.551	
000629-50-5	Tridecane	350	J			10.751	
000593-45-3	Octadecane	230	J			11.198	
	unknown11.227	150	J			11.227	
000544-76-3	Hexadecane	210	J			11.628	
002531-84-2	Phenanthrene, 2-methyl-	85.5	J			11.833	
000057-10-3	n-Hexadecanoic acid	330	J			11.863	
000203-64-5	4H-Cyclopenta[def]phenanthrene	270	J			11.945	
000112-95-8	Eicosane	190	J			12.033	
000629-94-7	Heneicosane	180	J			12.422	
000057-11-4	Octadecanoic acid	110	J			12.645	
000238-84-6	11H-Benzo[a]fluorene	70.5	J			13.098	
000243-17-4	11H-Benzo[b]fluorene	96	J			13.163	

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125	SDG No.:	BF012225
Lab Sample ID:	Q1142-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141239.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	200	J			15.333	

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MS	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141240.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	720		60.9	190	230	ug/Kg
110-86-1	Pyridine	640		56.1	91.3	120	ug/Kg
100-52-7	Benzaldehyde	140	J	130	190	230	ug/Kg
62-53-3	Aniline	460		68	91.3	120	ug/Kg
108-95-2	Phenol	790		58.2	91.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	850		58.8	91.3	120	ug/Kg
95-57-8	2-Chlorophenol	820		58.6	91.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	790		59.4	91.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	770		60.4	91.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	760		60.7	91.3	120	ug/Kg
100-51-6	Benzyl Alcohol	830		58.3	190	230	ug/Kg
95-48-7	2-Methylphenol	800		56.6	91.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	770		63.8	91.3	120	ug/Kg
98-86-2	Acetophenone	860		61	91.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	790		56	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	810		28.3	56.2	56.2	ug/Kg
67-72-1	Hexachloroethane	800		58.3	91.3	120	ug/Kg
98-95-3	Nitrobenzene	780		63.8	91.3	120	ug/Kg
78-59-1	Isophorone	860		59.4	91.3	120	ug/Kg
88-75-5	2-Nitrophenol	890		66.4	91.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		65.4	91.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	830		60.2	91.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	860		53	91.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	790		60	91.3	120	ug/Kg
65-85-0	Benzoic acid	710		170	190	230	ug/Kg
91-20-3	Naphthalene	1000		58	91.3	120	ug/Kg
106-47-8	4-Chloroaniline	280		58	91.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	820		58.5	91.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MS	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141240.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	900		60.9	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	810		54.4	91.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		57.9	91.3	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	890		50.1	91.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	830		52	91.3	120	ug/Kg
92-52-4	1,1-Biphenyl	930		61.4	91.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	830		58.5	91.3	120	ug/Kg
88-74-4	2-Nitroaniline	870		66.7	91.3	120	ug/Kg
131-11-3	Dimethylphthalate	890		57.4	91.3	120	ug/Kg
208-96-8	Acenaphthylene	990		60.7	91.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	810		58.4	91.3	120	ug/Kg
99-09-2	3-Nitroaniline	510		62.6	91.3	120	ug/Kg
83-32-9	Acenaphthene	980		56.9	91.3	120	ug/Kg
Total PAH	Total PAH	21530		930.3	91.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		170	190	230	ug/Kg
100-02-7	4-Nitrophenol	1500		81.4	190	230	ug/Kg
132-64-9	Dibenzofuran	950		59.3	91.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1630		118.9	91.3	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	820		60.5	91.3	120	ug/Kg
84-66-2	Diethylphthalate	860		56.2	91.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	820		60.1	91.3	120	ug/Kg
86-73-7	Fluorene	1000		60	91.3	120	ug/Kg
100-01-6	4-Nitroaniline	690		75.1	91.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	920		82.1	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		57.3	91.3	120	ug/Kg
103-33-3	Azobenzene	980		55.9	91.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		55.4	91.3	120	ug/Kg
118-74-1	Hexachlorobenzene	900		59.7	91.3	120	ug/Kg
1912-24-9	Atrazine	1300		64.2	91.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MS	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141240.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1700		54.3	190	230	ug/Kg
85-01-8	Phenanthrene	2200	E	59	91.3	120	ug/Kg
120-12-7	Anthracene	1300		59.3	91.3	120	ug/Kg
86-74-8	Carbazole	930		56.4	91.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	980		59.2	91.3	120	ug/Kg
206-44-0	Fluoranthene	2300	E	57.4	91.3	120	ug/Kg
92-87-5	Benzidine	680		110	190	230	ug/Kg
129-00-0	Pyrene	1500		58.3	91.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	780		68	91.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	460		69.2	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1600		56.7	91.3	120	ug/Kg
218-01-9	Chrysene	1500		55.8	91.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	890		63.9	91.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		77.2	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900	E	56.9	91.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		58	91.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	1700		65.3	91.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	860		54.8	91.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	690		57	91.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	810		56.2	91.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	900		60.9	91.3	120	ug/Kg
123-91-1	1,4-Dioxane	600		77.2	91.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	800		52.4	91.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	910		58.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	112.083		18-112		75	SPK: -150
13127-88-3	Phenol-d6	110.246		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	82.054		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	80.944		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MS	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141240.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	112.972		10-116		75	SPK: -150
1718-51-0	Terphenyl-d14	54.882		10-105		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161673	6.804				
1146-65-2	Naphthalene-d8	603251	8.092				
15067-26-2	Acenaphthene-d10	292439	9.845				
1517-22-2	Phenanthrene-d10	400525	11.333				
1719-03-5	Chrysene-d12	332615	13.986				
1520-96-3	Perylene-d12	294085	15.457				

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MSD	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
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
BF141241.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	740		61	190	230	ug/Kg
110-86-1	Pyridine	660		56.2	91.4	120	ug/Kg
100-52-7	Benzaldehyde	140	J	130	190	230	ug/Kg
62-53-3	Aniline	460		68.1	91.4	120	ug/Kg
108-95-2	Phenol	810		58.3	91.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	880		58.9	91.4	120	ug/Kg
95-57-8	2-Chlorophenol	830		58.7	91.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	790		59.5	91.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	780		60.5	91.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	770		60.8	91.4	120	ug/Kg
100-51-6	Benzyl Alcohol	850		58.4	190	230	ug/Kg
95-48-7	2-Methylphenol	810		56.7	91.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	790		63.9	91.4	120	ug/Kg
98-86-2	Acetophenone	900		61.1	91.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	800		56.1	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	810		28.3	56.2	56.2	ug/Kg
67-72-1	Hexachloroethane	800		58.4	91.4	120	ug/Kg
98-95-3	Nitrobenzene	800		63.8	91.4	120	ug/Kg
78-59-1	Isophorone	890		59.5	91.4	120	ug/Kg
88-75-5	2-Nitrophenol	910		66.4	91.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		65.5	91.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	860		60.3	91.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	860		53.1	91.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	810		60	91.4	120	ug/Kg
65-85-0	Benzoic acid	740		170	190	230	ug/Kg
91-20-3	Naphthalene	1100		58.1	91.4	120	ug/Kg
106-47-8	4-Chloroaniline	290		58.1	91.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	830		58.6	91.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MSD	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
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
BF141241.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	930		61	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	810		54.5	91.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		58	91.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1300		110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		50.2	91.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	860		52	91.4	120	ug/Kg
92-52-4	1,1-Biphenyl	960		61.5	91.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	870		58.6	91.4	120	ug/Kg
88-74-4	2-Nitroaniline	890		66.8	91.4	120	ug/Kg
131-11-3	Dimethylphthalate	920		57.4	91.4	120	ug/Kg
208-96-8	Acenaphthylene	1000		60.8	91.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	820		58.5	91.4	120	ug/Kg
99-09-2	3-Nitroaniline	510		62.7	91.4	120	ug/Kg
83-32-9	Acenaphthene	980		57	91.4	120	ug/Kg
Total PAH	Total PAH	22170		931.6	91.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1300		170	190	230	ug/Kg
100-02-7	4-Nitrophenol	1600		81.6	190	230	ug/Kg
132-64-9	Dibenzofuran	960		59.3	91.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	640		119.1	91.4	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	820		60.6	91.4	120	ug/Kg
84-66-2	Diethylphthalate	880		56.3	91.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	840		60.2	91.4	120	ug/Kg
86-73-7	Fluorene	1100		60.1	91.4	120	ug/Kg
100-01-6	4-Nitroaniline	710		75.2	91.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	830		82.3	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		57.4	91.4	120	ug/Kg
103-33-3	Azobenzene	1000		56	91.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	980		55.5	91.4	120	ug/Kg
118-74-1	Hexachlorobenzene	910		59.8	91.4	120	ug/Kg
1912-24-9	Atrazine	1300		64.3	91.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MSD	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
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
BF141241.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1700		54.4	190	230	ug/Kg
85-01-8	Phenanthrene	2200	E	59.1	91.4	120	ug/Kg
120-12-7	Anthracene	1300		59.3	91.4	120	ug/Kg
86-74-8	Carbazole	980		56.5	91.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		59.3	91.4	120	ug/Kg
206-44-0	Fluoranthene	2500	E	57.4	91.4	120	ug/Kg
92-87-5	Benzidine	820		110	190	230	ug/Kg
129-00-0	Pyrene	1500		58.4	91.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	800		68.1	91.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	490		69.3	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1700		56.7	91.4	120	ug/Kg
218-01-9	Chrysene	1400		55.9	91.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	910		64	91.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		77.3	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000	E	57	91.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		58.1	91.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	1700		65.4	91.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	900		54.9	91.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	730		57.1	91.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		56.3	91.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		61	91.4	120	ug/Kg
123-91-1	1,4-Dioxane	630		77.3	91.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	800		52.5	91.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	920		58.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113.62		18-112		76	SPK: -150
13127-88-3	Phenol-d6	112.302		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	84.566		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	85.651		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	PL-1-012125MSD	SDG No.:	BF012225
Lab Sample ID:	Q1142-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.7
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
BF141241.D	1	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	115.672		10-116		77	SPK: -150
1718-51-0	Terphenyl-d14	55.27		10-105		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151784	6.804				
1146-65-2	Naphthalene-d8	561329	8.092				
15067-26-2	Acenaphthene-d10	261542	9.845				
1517-22-2	Phenanthrene-d10	361999	11.333				
1719-03-5	Chrysene-d12	338274	13.98				
1520-96-3	Perylene-d12	272617	15.439				

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	SU-4-012125	SDG No.:	BF012225
Lab Sample ID:	Q1141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141242.D	5	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	840	1000	ug/Kg
110-86-1	Pyridine	250	U	250	410	530	ug/Kg
100-52-7	Benzaldehyde	570	U	570	840	1000	ug/Kg
62-53-3	Aniline	300	U	300	410	530	ug/Kg
108-95-2	Phenol	260	U	260	410	530	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	410	530	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	410	530	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	410	530	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	410	530	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	410	530	ug/Kg
100-51-6	Benzyl Alcohol	260	U	260	840	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	410	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	280	410	530	ug/Kg
98-86-2	Acetophenone	270	U	270	410	530	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	840	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	250	250	ug/Kg
67-72-1	Hexachloroethane	260	U	260	410	530	ug/Kg
98-95-3	Nitrobenzene	280	U	280	410	530	ug/Kg
78-59-1	Isophorone	260	U	260	410	530	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	410	530	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	410	530	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	410	530	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	410	530	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	410	530	ug/Kg
65-85-0	Benzoic acid	740	U	740	840	1000	ug/Kg
91-20-3	Naphthalene	520	J	260	410	530	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	410	530	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	410	530	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	SU-4-012125	SDG No.:	BF012225
Lab Sample ID:	Q1141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141242.D	5	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270	U	270	840	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	410	530	ug/Kg
91-57-6	2-Methylnaphthalene	740		260	410	530	ug/Kg
77-47-4	Hexachlorocyclopentadiene	490	U	490	840	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	410	530	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	410	530	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	410	530	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	410	530	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	410	530	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	410	530	ug/Kg
208-96-8	Acenaphthylene	270	U	270	410	530	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	410	530	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	410	530	ug/Kg
83-32-9	Acenaphthene	520	J	250	410	530	ug/Kg
Total PAH	Total PAH	23880		4120	410	8480	ug/Kg
51-28-5	2,4-Dinitrophenol	760	U	760	840	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	840	1000	ug/Kg
132-64-9	Dibenzofuran	260	U	260	410	530	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	630	U	530	410	1060	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	410	530	ug/Kg
84-66-2	Diethylphthalate	250	U	250	410	530	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	410	530	ug/Kg
86-73-7	Fluorene	760		270	410	530	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	410	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	840	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	250	410	530	ug/Kg
103-33-3	Azobenzene	250	U	250	410	530	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	410	530	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	410	530	ug/Kg
1912-24-9	Atrazine	290	U	290	410	530	ug/Kg

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	SU-4-012125	SDG No.:	BF012225
Lab Sample ID:	Q1141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141242.D	5	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	240	U	240	840	1000	ug/Kg
85-01-8	Phenanthrene	4500		260	410	530	ug/Kg
120-12-7	Anthracene	1400		260	410	530	ug/Kg
86-74-8	Carbazole	250	U	250	410	530	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	410	530	ug/Kg
206-44-0	Fluoranthene	3900		250	410	530	ug/Kg
92-87-5	Benzidine	510	U	510	840	1000	ug/Kg
129-00-0	Pyrene	3100		260	410	530	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	410	530	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	310	840	1000	ug/Kg
56-55-3	Benzo(a)anthracene	2200		250	410	530	ug/Kg
218-01-9	Chrysene	1700		250	410	530	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	410	530	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	840	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		250	410	530	ug/Kg
207-08-9	Benzo(k)fluoranthene	750		260	410	530	ug/Kg
50-32-8	Benzo(a)pyrene	1700		290	410	530	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	480	J	240	410	530	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	250	410	530	ug/Kg
191-24-2	Benzo(g,h,i)perylene	550		250	410	530	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	410	530	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	410	530	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	410	530	ug/Kg
90-12-0	1-Methylnaphthalene	690		260	530	530	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.3		18-112		50	SPK: -150
13127-88-3	Phenol-d6	73.4		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	49.39		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	61.225		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	SU-4-012125	SDG No.:	BF012225
Lab Sample ID:	Q1141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141242.D	5	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	65.355		10-116		44	SPK: -150
1718-51-0	Terphenyl-d14	43.685		10-105		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143722	6.804				
1146-65-2	Naphthalene-d8	541640	8.087				
15067-26-2	Acenaphthene-d10	260163	9.845				
1517-22-2	Phenanthrene-d10	360374	11.333				
1719-03-5	Chrysene-d12	316463	13.974				
1520-96-3	Perylene-d12	247428	15.433				
TENTATIVE IDENTIFIED COMPOUNDS							
000575-37-1	Naphthalene, 1,7-dimethyl-	510	J			9.428	
000581-40-8	Naphthalene, 2,3-dimethyl-	700	J			9.504	
000571-61-9	Naphthalene, 1,5-dimethyl-	400	J			9.622	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	330	J			10.251	
001855-47-6	1-Isopropenylnaphthalene	330	J			10.457	
000119-61-9	Benzophenone	350	J			10.551	
001430-97-3	9H-Fluorene, 2-methyl-	510	J			10.939	
000132-65-0	Dibenzothiophene	440	J			11.227	
000832-69-9	Phenanthrene, 1-methyl-	1200	J			11.833	
002531-84-2	Phenanthrene, 2-methyl-	1500	J			11.863	
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	510	J			11.91	
018791-75-8	4-Bromothiophene-2-aldehyde	2900	J			11.945	
000612-94-2	Naphthalene, 2-phenyl-	790	J			12.127	
052251-71-5	Anthracene, 2-ethyl-	370	J			12.28	
003674-66-6	Phenanthrene, 2,5-dimethyl-	960	J			12.386	
	unknown12.422	780	J			12.422	
005737-13-3	Cyclopenta(def)phenanthrenone	580	J			12.469	
002381-21-7	Pyrene, 1-methyl-	400	J			12.992	
000243-17-4	11H-Benzo[b]fluorene	590	J			13.098	

Report of Analysis

Client:		Date Collected:	1/21/2025 12:00:00 AM
Project:		Date Received:	1/21/2025 12:00:00 AM
Client Sample ID:	SU-4-012125	SDG No.:	BF012225
Lab Sample ID:	Q1141-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.9
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141242.D	5	1/22/2025 12:00:00 AM	1/22/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	1100	J			15.31	

Hit Summary Sheet SW-846

SDG No.: BF012225

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SU-4-012125							
Q1141-01	SU-4-012125	Solid	1-Isopropenylnaphthalene	*	330.000	J		
Q1141-01	SU-4-012125	Solid	1H-Benzo[b]fluorene	*	590.000	J		
Q1141-01	SU-4-012125	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	510.000	J		
Q1141-01	SU-4-012125	Solid	4-Bromothiophene-2-aldehyde	*	2,900.000	J		
Q1141-01	SU-4-012125	Solid	9H-Fluorene, 2-methyl-	*	510.000	J		
Q1141-01	SU-4-012125	Solid	Anthracene, 2-ethyl-	*	370.000	J		
Q1141-01	SU-4-012125	Solid	Benzo[e]pyrene	*	1,100.000	J		
Q1141-01	SU-4-012125	Solid	Benzophenone	*	350.000	J		
Q1141-01	SU-4-012125	Solid	Cyclopenta(def)phenanthrenone	*	580.000	J		
Q1141-01	SU-4-012125	Solid	Dibenzothiophene	*	440.000	J		
Q1141-01	SU-4-012125	Solid	Naphthalene, 1,5-dimethyl-	*	400.000	J		
Q1141-01	SU-4-012125	Solid	Naphthalene, 1,6,7-trimethyl-	*	330.000	J		
Q1141-01	SU-4-012125	Solid	Naphthalene, 1,7-dimethyl-	*	510.000	J		
Q1141-01	SU-4-012125	Solid	Naphthalene, 2,3-dimethyl-	*	700.000	J		
Q1141-01	SU-4-012125	Solid	Naphthalene, 2-phenyl-	*	790.000	J		
Q1141-01	SU-4-012125	Solid	Phenanthrene, 1-methyl-	*	1,200.000	J		
Q1141-01	SU-4-012125	Solid	Phenanthrene, 2,5-dimethyl-	*	960.000	J		
Q1141-01	SU-4-012125	Solid	Phenanthrene, 2-methyl-	*	1,500.000	J		
Q1141-01	SU-4-012125	Solid	Pyrene, 1-methyl-	*	400.000	J		
Q1141-01	SU-4-012125	Solid	unknown12.422	*	780.000	J		
Total Tics :					15,250.00			
Q1141-01	SU-4-012125	Solid	1-Methylnaphthalene		690.000		260	ug/Kg
Q1141-01	SU-4-012125	Solid	2-Methylnaphthalene		740.000		260	ug/Kg
Q1141-01	SU-4-012125	Solid	Acenaphthene		520.000	J	250	ug/Kg
Q1141-01	SU-4-012125	Solid	Anthracene		1,400.000		260	ug/Kg
Q1141-01	SU-4-012125	Solid	Benzo(a)anthracene		2,200.000		250	ug/Kg
Q1141-01	SU-4-012125	Solid	Benzo(a)pyrene		1,700.000		290	ug/Kg
Q1141-01	SU-4-012125	Solid	Benzo(b)fluoranthene		1,800.000		250	ug/Kg
Q1141-01	SU-4-012125	Solid	Benzo(g,h,i)perylene		550.000		250	ug/Kg
Q1141-01	SU-4-012125	Solid	Benzo(k)fluoranthene		750.000		260	ug/Kg
Q1141-01	SU-4-012125	Solid	Chrysene		1,700.000		250	ug/Kg
Q1141-01	SU-4-012125	Solid	Fluoranthene		3,900.000		250	ug/Kg
Q1141-01	SU-4-012125	Solid	Fluorene		760.000		270	ug/Kg
Q1141-01	SU-4-012125	Solid	Indeno(1,2,3-cd)pyrene		480.000	J	240	ug/Kg
Q1141-01	SU-4-012125	Solid	Naphthalene		520.000	J	260	ug/Kg
Q1141-01	SU-4-012125	Solid	Phenanthrene		4,500.000		260	ug/Kg
Q1141-01	SU-4-012125	Solid	Pyrene		3,100.000		260	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF012225

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1141-01	SU-4-012125	Solid	Total PAH	23,880.000		4120	8480	ug/Kg
Total Svoc :				49,190.00				
Total Concentration:				64,440.00				
Client ID : PL-1-012125								
Q1142-01	PL-1-012125	Solid	11H-Benzo[a]fluorene	*	70.500	J		
Q1142-01	PL-1-012125	Solid	11H-Benzo[b]fluorene	*	96.000	J		
Q1142-01	PL-1-012125	Solid	4H-Cyclopenta[def]phenanthrene	*	270.000	J		
Q1142-01	PL-1-012125	Solid	Benzo[e]pyrene	*	200.000	J		
Q1142-01	PL-1-012125	Solid	Benzophenone	*	150.000	J		
Q1142-01	PL-1-012125	Solid	Eicosane	*	190.000	J		
Q1142-01	PL-1-012125	Solid	Heneicosane	*	180.000	J		
Q1142-01	PL-1-012125	Solid	Heptadecane	*	170.000	J		
Q1142-01	PL-1-012125	Solid	Hexadecane	*	210.000	J		
Q1142-01	PL-1-012125	Solid	n-Hexadecanoic acid	*	330.000	J		
Q1142-01	PL-1-012125	Solid	Naphthalene, 2,3-dimethyl-	*	120.000	J		
Q1142-01	PL-1-012125	Solid	Nonadecane	*	150.000	J		
Q1142-01	PL-1-012125	Solid	Octadecane	*	230.000	J		
Q1142-01	PL-1-012125	Solid	Octadecane, 1-chloro-	*	80.300	J		
Q1142-01	PL-1-012125	Solid	Octadecanoic acid	*	110.000	J		
Q1142-01	PL-1-012125	Solid	Pentadecane, 2,6,10-trimethyl-	*	87.600	J		
Q1142-01	PL-1-012125	Solid	Phenanthrene, 2-methyl-	*	85.500	J		
Q1142-01	PL-1-012125	Solid	Tetradecane	*	140.000	J		
Q1142-01	PL-1-012125	Solid	Tridecane	*	350.000	J		
Q1142-01	PL-1-012125	Solid	unknown11.227	*	150.000	J		
Total Tics :				3,369.90				
Q1142-01	PL-1-012125	Solid	1-Methylnaphthalene		77.500	J	58.4	120 ug/Kg
Q1142-01	PL-1-012125	Solid	2-Methylnaphthalene		96.800	J	57.9	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Acenaphthene		58.300	J	57	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Anthracene		150.000		59.3	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Benzo(a)anthracene		310.000		56.7	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Benzo(a)pyrene		300.000		65.3	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Benzo(b)fluoranthene		350.000		57	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Benzo(g,h,i)perylene		110.000	J	56.3	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Benzo(k)fluoranthene		120.000		58	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Chrysene		250.000		55.8	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Dibenzofuran		68.800	J	59.3	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Fluoranthene		610.000		57.4	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Fluorene		150.000		60.1	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	54.9	120 ug/Kg
Q1142-01	PL-1-012125	Solid	Naphthalene		130.000		58	120 ug/Kg



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

Hit Summary Sheet
SW-846

SDG No.: BF012225

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1142-01	PL-1-012125	Solid	Phenanthrene	670.000		59	120	ug/Kg
Q1142-01	PL-1-012125	Solid	Pyrene	440.000		58.3	120	ug/Kg
Q1142-01	PL-1-012125	Solid	Total PAH	3,758.000		930.9	1920	ug/Kg
Total Svoc :						7,759.40		
Total Concentration:						11,129.30		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF011025 SAS No.: BF011025 SDG No.: BF011025
Instrument ID: _____ Calibration Date(s): 1/10/2025 : _____
Calibration Time(s): 11:58 _____

LAB FILE ID:		RRF2.5 = BF141109.D			RRF005 = BF141110.D		RRF010 = BF141111.D	
		RRF020 = BF141112.D			RRF040 = BF141113.D		RRF050 = BF141117.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.716	0.715	0.709	0.678	0.688	0.691	3.7
Pyridine		1.579	1.520	1.486	1.360	1.364	1.414	8.3
2-Fluorophenol		1.453	1.400	1.378	1.248	1.236	1.295	9.1
Benzaldehyde		1.215	1.139	1.040	0.849	0.782	0.966	19.8
Aniline		1.656	1.583	1.561	1.424	1.385	1.456	10.4
Phenol-d6		1.834	1.773	1.736	1.566	1.569	1.640	8.6
Phenol		1.943	1.902	1.861	1.701	1.665	1.756	8.4
bis(2-Chloroethyl)ether		1.445	1.372	1.363	1.256	1.279	1.308	6.9
2-Chlorophenol		1.561	1.476	1.458	1.345	1.338	1.389	8.2
1,2-Dichlorobenzene		1.670	1.579	1.572	1.382	1.388	1.456	10.5
1,3-Dichlorobenzene		1.714	1.662	1.648	1.476	1.506	1.549	8.1
1,4-Dichlorobenzene		1.766	1.653	1.668	1.495	1.495	1.561	8.8
Benzyl Alcohol		1.291	1.240	1.244	1.158	1.164	1.184	6.8
2-Methylphenol		1.209	1.175	1.182	1.088	1.091	1.121	6.0
2,2-oxybis(1-Chloropropane)		2.046	1.913	1.939	1.766	1.746	1.826	7.8
Acetophenone		0.539	0.516	0.507	0.445	0.455	0.475	9.4
3+4-Methylphenols		1.631	1.529	1.527	1.375	1.342	1.415	10.9
n-Nitroso-di-n-propylamine	1.062	1.068	1.011	1.009	0.906	0.915	0.966	8.4
Nitrobenzene-d5		0.400	0.390	0.394	0.365	0.370	0.377	4.8
Hexachloroethane		0.610	0.591	0.595	0.548	0.551	0.565	6.4
Nitrobenzene		0.419	0.410	0.411	0.377	0.384	0.393	5.2
Isophorone		0.692	0.668	0.674	0.617	0.629	0.645	5.1
2-Nitrophenol		0.161	0.173	0.190	0.178	0.184	0.179	5.3
2,4-Dimethylphenol		0.252	0.244	0.250	0.236	0.239	0.241	3.3
bis(2-Chloroethoxy)methane		0.435	0.419	0.430	0.387	0.393	0.405	5.6
2,4-Dichlorophenol		0.296	0.296	0.300	0.277	0.286	0.287	4.3
1,2,4-Trichlorobenzene		0.356	0.344	0.348	0.314	0.317	0.328	6.5
Benzoic acid		0.182	0.211	0.231	0.238	0.251	0.231	11.7
Naphthalene		1.178	1.126	1.131	0.998	1.023	1.055	8.6
4-Chloroaniline		0.397	0.390	0.386	0.345	0.349	0.365	7.1
Hexachlorobutadiene		0.213	0.207	0.208	0.188	0.194	0.197	6.2
Caprolactam		0.096	0.092	0.099	0.091	0.094	0.094	3.0
4-Chloro-3-methylphenol		0.331	0.322	0.327	0.302	0.313	0.313	4.4
2-Methylnaphthalene		0.751	0.719	0.710	0.638	0.654	0.672	8.3
Hexachlorocyclopentadiene		0.170	0.181	0.201	0.200	0.189	0.188	5.7
2,4,6-Trichlorophenol		0.399	0.384	0.412	0.380	0.382	0.387	3.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF011025 SAS No.: BF011025 SDG No.: BF011025
Instrument ID: _____ Calibration Date(s): 1/10/2025 : _____
Calibration Time(s): 11:58 _____

LAB FILE ID:		RRF2.5 = BF141109.D			RRF005 = BF141110.D		RRF010 = BF141111.D	
		RRF020 = BF141112.D			RRF040 = BF141113.D		RRF050 = BF141117.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.582	1.459	1.408	1.225	1.224	1.310	13.4
2,4,5-Trichlorophenol		0.429	0.419	0.418	0.401	0.411	0.409	4.1
1,1-Biphenyl		1.761	1.671	1.654	1.490	1.491	1.553	9.3
2-Chloronaphthalene		1.345	1.288	1.273	1.164	1.174	1.210	7.8
2-Nitroaniline		0.360	0.358	0.365	0.351	0.365	0.359	2.0
Dimethylphthalate		1.447	1.406	1.404	1.299	1.318	1.343	5.8
Acenaphthylene		1.915	1.820	1.830	1.660	1.678	1.728	7.5
2,6-Dinitrotoluene		0.308	0.317	0.328	0.312	0.315	0.312	3.3
3-Nitroaniline		0.321	0.324	0.333	0.316	0.320	0.317	3.7
Acenaphthene		1.317	1.267	1.274	1.165	1.185	1.208	6.7
2,4-Dinitrophenol			0.097	0.133	0.155	0.168	0.148	19.4
4-Nitrophenol		0.224	0.241	0.255	0.250	0.264	0.248	5.3
Dibenzofuran		1.866	1.736	1.738	1.586	1.585	1.642	8.8
2,4-Dinitrotoluene		0.372	0.401	0.423	0.395	0.424	0.402	4.7
Diethylphthalate		1.416	1.397	1.378	1.253	1.289	1.311	6.6
4-Chlorophenyl-phenylether		0.709	0.672	0.663	0.594	0.593	0.622	9.7
Fluorene		1.488	1.403	1.359	1.197	1.213	1.276	11.1
4-Nitroaniline		0.314	0.312	0.315	0.300	0.323	0.311	3.1
4,6-Dinitro-2-methylphenol		0.077	0.095	0.120	0.129	0.130	0.116	18.4
n-Nitrosodiphenylamine		0.706	0.677	0.683	0.651	0.603	0.645	7.4
Azobenzene		1.430	1.363	1.353	1.245	1.264	1.293	7.1
2,4,6-Tribromophenol		0.233	0.233	0.235	0.219	0.230	0.228	3.0
4-Bromophenyl-phenylether		0.241	0.237	0.238	0.232	0.220	0.230	4.2
Hexachlorobenzene		0.273	0.263	0.266	0.257	0.244	0.256	4.8
Atrazine		0.213	0.201	0.170	0.141	0.184	0.174	16.3
Pentachlorophenol		0.142	0.162	0.171	0.173	0.169	0.164	6.6
Phenanthrene		1.218	1.152	1.122	1.064	1.014	1.074	9.0
Anthracene		1.162	1.111	1.095	1.042	0.994	1.044	8.2
Carbazole		1.052	1.025	1.011	0.944	0.935	0.957	8.1
Di-n-butylphthalate		1.186	1.177	1.139	1.087	1.079	1.096	7.3
Fluoranthene		1.211	1.188	1.104	1.037	1.051	1.071	9.7
Benzidine		0.380	0.309	0.310	0.409	0.340	0.371	13.8
Pyrene		1.952	1.977	2.081	1.848	1.839	1.910	6.1
Terphenyl-d14		1.444	1.424	1.483	1.272	1.280	1.346	8.4
Butylbenzylphthalate		0.583	0.629	0.663	0.614	0.677	0.637	5.4
3,3-Dichlorobenzidine		0.434	0.422	0.444	0.418	0.426	0.433	2.7

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.: BF011025 SAS No.: BF011025 SDG No.: BF011025
Instrument ID: _____ Calibration Date(s): 1/10/2025 : _____
Calibration Time(s): 11:58 _____

LAB FILE ID:		RRF2.5 = BF141109.D			RRF005 = BF141110.D		RRF010 = BF141111.D	
		RRF020 = BF141112.D			RRF040 = BF141113.D		RRF050 = BF141117.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.473	1.420	1.427	1.245	1.329	1.361	6.3
Chrysene		1.382	1.316	1.336	1.207	1.237	1.274	5.5
Bis(2-ethylhexyl)phthalate		0.734	0.768	0.807	0.726	0.819	0.764	5.4
Di-n-octyl phthalate		0.950	1.039	1.169	1.151	1.235	1.154	10.5
Benzo(b)fluoranthene		1.461	1.415	1.290	1.201	1.315	1.290	9.0
Benzo(k)fluoranthene		1.128	1.102	1.141	1.043	1.038	1.090	3.7
Benzo(a)pyrene		1.103	1.090	1.095	1.039	1.048	1.064	3.3
Indeno(1,2,3-cd)pyrene		1.472	1.420	1.558	1.472	1.421	1.465	4.5
Dibenzo(a,h)anthracene		1.174	1.178	1.262	1.197	1.150	1.185	5.0
Benzo(g,h,i)perylene		1.256	1.221	1.347	1.263	1.195	1.233	7.6
1,2,4,5-Tetrachlorobenzene		0.632	0.601	0.604	0.554	0.552	0.574	6.8
1,4-Dioxane		0.616	0.596	0.598	0.563	0.573	0.577	5.2
2,3,4,6-Tetrachlorophenol		0.353	0.358	0.354	0.332	0.333	0.340	4.7
1-Methylnaphthalene		0.747	0.712	0.710	0.625	0.635	0.662	9.1

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.: BF012225 SAS No.: BF012225 SDG NO.: BF012225

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 22 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 14:50

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	178652	6.822	695197	8.10	363903	9.86
UPPER LIMIT	357304	7.322	1390394	8.604	727806	10.363
LOWER LIMIT	89326	6.322	347598.5	7.604	181951.5	9.363
EPA SAMPLE NO.						
01 PB166167BL	164883	6.80	660162	8.09	360579	9.85
02 PB166167BS	162146	6.80	643626	8.09	354213	9.85
03 PL-1-012125	133033	6.80	537232	8.09	283396	9.84
04 PL-1-012125MS	161673	6.80	603251	8.09	292439	9.85
05 PL-1-012125MSD	151784	6.80	561329	8.09	261542	9.85
06 SU-4-012125	143722	6.80	541640	8.09	260163	9.85

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.: BF012225 SAS No.: BF012225 SDG NO.: BF012225

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 22 2025 12:00AM

Lab File ID: BF141236.D Time Analyzed: 14:50

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	198926	6.804	778758	8.09	418348	9.85
UPPER LIMIT	397852	7.304	1557516	8.592	836696	10.345
LOWER LIMIT	99463	6.304	389379	7.592	209174	9.345
EPA SAMPLE NO.						
01 PB166167BL	164883	6.80	660162	8.09	360579	9.85
02 PB166167BS	162146	6.80	643626	8.09	354213	9.85
03 PL-1-012125	133033	6.80	537232	8.09	283396	9.84
04 PL-1-012125MS	161673	6.80	603251	8.09	292439	9.85
05 PL-1-012125MSD	151784	6.80	561329	8.09	261542	9.85
06 SU-4-012125	143722	6.80	541640	8.09	260163	9.85

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.: BF012225 SAS No.: BF012225 SDG NO.: BF012225

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 22 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 14:50

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	589244	11.345	328095	13.986	356368	15.439
UPPER LIMIT	1178488	11.845	656190	14.486	712736	15.939
LOWER LIMIT	294622	10.845	164047.5	13.486	178184	14.939
EPA SAMPLE NO.						
01 PB166167BL	625546	11.33	483840	13.98	379156	15.46
02 PB166167BS	605908	11.33	420035	13.98	354890	15.46
03 PL-1-012125	449607	11.33	306146	13.97	323998	15.46
04 PL-1-012125MS	400525	11.33	332615	13.99	294085	15.46
05 PL-1-012125MSD	361999	11.33	338274	13.98	272617	15.44
06 SU-4-012125	360374	11.33	316463	13.97	247428	15.43

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.: BF012225 SAS No.: BF012225 SDG NO.: BF012225

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 22 2025 12:00AM

Lab File ID: BF141236.D Time Analyzed: 14:50

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	722478	11.333	488299	13.986	417763	15.462
UPPER LIMIT	1444956	11.833	976598	14.486	835526	15.962
LOWER LIMIT	361239	10.833	244149.5	13.486	208881.5	14.962
EPA SAMPLE NO.						
01 PB166167BL	625546	11.33	483840	13.98	379156	15.46
02 PB166167BS	605908	11.33	420035	13.98	354890	15.46
03 PL-1-012125	449607	11.33	306146	13.97	323998	15.46
04 PL-1-012125MS	400525	11.33	332615	13.99	294085	15.46
05 PL-1-012125MSD	361999	11.33	338274	13.98	272617	15.44
06 SU-4-012125	360374 *	11.33	316463	13.97	247428	15.43

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.: **BF012225**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166167BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103		
	Pyridine	1700	1300	ug/Kg	76				28	98		
	Benzaldehyde	1700	260	ug/Kg	15				10	133		
	Aniline	1700	1200	ug/Kg	71				38	100		
	Phenol	1700	1600	ug/Kg	94				62	112		
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101		
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112		
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102		
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99		
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100		
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116		
	2-Methylphenol	1700	1700	ug/Kg	100				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100		
	Acetophenone	1700	1600	ug/Kg	94				66	98		
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111		
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95		
	Hexachloroethane	1700	1600	ug/Kg	94				72	108		
	Nitrobenzene	1700	1500	ug/Kg	88				57	101		
	Isophorone	1700	1700	ug/Kg	100		*		59	99		
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111		
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				46	141		
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97		
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107		
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110		
	Benzoic acid	1700	1700	ug/Kg	100				10	140		
	Naphthalene	1700	1600	ug/Kg	94				62	100		
	4-Chloroaniline	1700	620	ug/Kg	36				16	100		
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98		
	Caprolactam	1700	1700	ug/Kg	100				67	110		
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112		
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104		
	Hexachlorocyclopentadiene	3300	6100	ug/Kg	185		*		45	165		
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102		
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98		
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103		
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99		
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101		
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99		
	Acenaphthylene	1700	1700	ug/Kg	100				63	101		
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104		
	3-Nitroaniline	1700	940	ug/Kg	55				28	100		
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104		
	Total PAH	27200	26700	ug/Kg	98				57	104		
	2,4-Dinitrophenol	3300	3900	ug/Kg	118				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF012225**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166167BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3300	ug/Kg	97				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118		*		76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100		*		71	99	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				66	102	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	2200	ug/Kg	129				47	152	
	Pentachlorophenol	3300	3400	ug/Kg	103				67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1800	ug/Kg	106		*		61	105	
	Carbazole	1700	1700	ug/Kg	100		*		61	99	
	Di-n-butylphthalate	1700	1800	ug/Kg	106		*		58	104	
	Fluoranthene	1700	1800	ug/Kg	106				57	107	
	Benzidine	3300	1800	ug/Kg	55				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	910	ug/Kg	54				42	91	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112				54	135	
	Di-n-octyl phthalate	1700	2000	ug/Kg	118				52	137	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	
	1-Methylnaphthalene	1700	1600	ug/Kg	94				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166167BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF012225

SAS No.: BF012225 SDG NO.: BF012225

Lab File ID: BF141237.D

Lab Sample ID: PB166167BL

Instrument ID: BNA_F

Date Extracted: 01/22/2025

Matrix: (soil/water) Solid

Date Analyzed: 01/22/2025

Level: (low/med) LOW

Time Analyzed: 14:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166167BS	PB166167BS	BF141238.D	01/22/2025
PL-1-012125	Q1142-01	BF141239.D	01/22/2025
PL-1-012125MS	Q1142-01MS	BF141240.D	01/22/2025
PL-1-012125MSD	Q1142-01MSD	BF141241.D	01/22/2025
SU-4-012125	Q1141-01	BF141242.D	01/22/2025

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012225

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1142-01MS		Client Sample ID: PL-1-012125MS		DataFile: BF141240.D							
n-Nitrosodimethylamine	1200		720	ug/Kg	60	*			66	124	
Pyridine	1200		640	ug/Kg	53				45	119	
Benzaldehyde	1200		140	ug/Kg	12				10	86	
Aniline	1200		460	ug/Kg	38				10	88	
Phenol	1200		790	ug/Kg	66	*			67	126	
bis(2-Chloroethyl)ether	1200		850	ug/Kg	71				54	125	
2-Chlorophenol	1200		820	ug/Kg	68	*			79	107	
1,2-Dichlorobenzene	1200		790	ug/Kg	66				61	105	
1,3-Dichlorobenzene	1200		770	ug/Kg	64				62	101	
1,4-Dichlorobenzene	1200		760	ug/Kg	63				63	104	
Benzyl Alcohol	1200		830	ug/Kg	69				47	126	
2-Methylphenol	1200		800	ug/Kg	67				66	122	
2,2-oxybis(1-Chloropropane)	1200		770	ug/Kg	64	*			65	110	
Acetophenone	1200		860	ug/Kg	72	*			75	111	
3+4-Methylphenols	1200		790	ug/Kg	66				66	104	
N-Nitroso-di-n-propylamine	1200		810	ug/Kg	68				59	119	
Hexachloroethane	1200		800	ug/Kg	67				65	117	
Nitrobenzene	1200		780	ug/Kg	65	*			70	119	
Isophorone	1200		860	ug/Kg	72	*			76	122	
2-Nitrophenol	1200		890	ug/Kg	74				54	145	
2,4-Dimethylphenol	1200		1000	ug/Kg	83				44	135	
bis(2-Chloroethoxy)methane	1200		830	ug/Kg	69				68	112	
2,4-Dichlorophenol	1200		860	ug/Kg	72				72	118	
1,2,4-Trichlorobenzene	1200		790	ug/Kg	66				57	103	
Benzoic acid	1200		710	ug/Kg	59				50	104	
Naphthalene	1200	130	1000	ug/Kg	73				72	110	
4-Chloroaniline	1200		280	ug/Kg	23				10	91	
Hexachlorobutadiene	1200		820	ug/Kg	68				66	114	
Caprolactam	1200		900	ug/Kg	75				51	134	
4-Chloro-3-methylphenol	1200		810	ug/Kg	68				57	132	
2-Methylnaphthalene	1200	96.8	1000	ug/Kg	75				59	123	
Hexachlorocyclopentadiene	2300		1900	ug/Kg	83				10	175	
2,4,6-Trichlorophenol	1200		890	ug/Kg	74				72	117	
2,4,5-Trichlorophenol	1200		830	ug/Kg	69	*			72	117	
1,1-Biphenyl	1200		930	ug/Kg	78				75	113	
2-Chloronaphthalene	1200		830	ug/Kg	69				67	118	
2-Nitroaniline	1200		870	ug/Kg	73				69	127	
Dimethylphthalate	1200		890	ug/Kg	74				70	113	
Acenaphthylene	1200		990	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1200		810	ug/Kg	68	*			70	125	
3-Nitroaniline	1200		510	ug/Kg	43				30	99	
Acenaphthene	1200	58.3	980	ug/Kg	77				70	121	
Total PAH	19200	3758.3	21530	ug/Kg	93				70	121	
2,4-Dinitrophenol	2300		1500	ug/Kg	65				10	155	
4-Nitrophenol	2300		1500	ug/Kg	65				45	133	
Dibenzofuran	1200	68.8	950	ug/Kg	73				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012225

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		820	ug/Kg	68				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1630	ug/Kg	68				55	128	
Diethylphthalate	1200		860	ug/Kg	72				70	112	
4-Chlorophenyl-phenylether	1200		820	ug/Kg	68	*			71	108	
Fluorene	1200	150	1000	ug/Kg	71				68	116	
4-Nitroaniline	1200		690	ug/Kg	58				55	120	
4,6-Dinitro-2-methylphenol	1200		920	ug/Kg	77				10	160	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		980	ug/Kg	82				73	110	
4-Bromophenyl-phenylether	1200		1000	ug/Kg	83				65	121	
Hexachlorobenzene	1200		900	ug/Kg	75				67	118	
Atrazine	1200		1300	ug/Kg	108				79	127	
Pentachlorophenol	2300		1700	ug/Kg	74				47	128	
Phenanthrene	1200	670	2200	ug/Kg	128				52	128	
Anthracene	1200	150	1300	ug/Kg	96				62	124	
Carbazole	1200		930	ug/Kg	78				59	119	
Di-n-butylphthalate	1200		980	ug/Kg	82				69	118	
Fluoranthene	1200	610	2300	ug/Kg	141	*			44	125	
Benzydine	2300		680	ug/Kg	30				10	119	
Pyrene	1200	440	1500	ug/Kg	88				26	142	
Butylbenzylphthalate	1200		780	ug/Kg	65				64	126	
3,3-Dichlorobenzidine	1200		460	ug/Kg	38				33	116	
Benzo(a)anthracene	1200	310	1600	ug/Kg	108				71	114	
Chrysene	1200	250	1500	ug/Kg	104				57	121	
bis(2-Ethylhexyl)phthalate	1200		890	ug/Kg	74				42	169	
Di-n-octyl phthalate	1200		1100	ug/Kg	92				23	175	
Benzo(b)fluoranthene	1200	350	1900	ug/Kg	129	*			67	121	
Benzo(k)fluoranthene	1200	120	1200	ug/Kg	90				57	134	
Benzo(a)pyrene	1200	300	1700	ug/Kg	117				70	142	
Indeno(1,2,3-cd)pyrene	1200	110	860	ug/Kg	63				40	129	
Dibenz(a,h)anthracene	1200		690	ug/Kg	58				43	123	
Benzo(g,h,i)perylene	1200	110	810	ug/Kg	58				24	125	
1,2,4,5-Tetrachlorobenzene	1200		900	ug/Kg	75				69	124	
1,4-Dioxane	1200		600	ug/Kg	50				46	112	
2,3,4,6-Tetrachlorophenol	1200		800	ug/Kg	67	*			69	112	
1-Methylnaphthalene	1200	77.5	910	ug/Kg	69	*			70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012225

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1142-01MSD		Client Sample ID: PL-1-012125MSD		DataFile: BF141241.D							
n-Nitrosodimethylamine	1200		740	ug/Kg	62	*	3		66	124	20
Pyridine	1200		660	ug/Kg	55		4		45	119	20
Benzaldehyde	1200		140	ug/Kg	12		0		10	86	20
Aniline	1200		460	ug/Kg	38		0		10	88	20
Phenol	1200		810	ug/Kg	68		3		67	126	20
bis(2-Chloroethyl)ether	1200		880	ug/Kg	73		3		54	125	20
2-Chlorophenol	1200		830	ug/Kg	69	*	1		79	107	20
1,2-Dichlorobenzene	1200		790	ug/Kg	66		0		61	105	20
1,3-Dichlorobenzene	1200		780	ug/Kg	65		2		62	101	20
1,4-Dichlorobenzene	1200		770	ug/Kg	64		2		63	104	20
Benzyl Alcohol	1200		850	ug/Kg	71		3		47	126	20
2-Methylphenol	1200		810	ug/Kg	68		1		66	122	20
2,2-oxybis(1-Chloropropane)	1200		790	ug/Kg	66		3		65	110	20
Acetophenone	1200		900	ug/Kg	75		4		75	111	20
3+4-Methylphenols	1200		800	ug/Kg	67		2		66	104	20
N-Nitroso-di-n-propylamine	1200		810	ug/Kg	68		0		59	119	20
Hexachloroethane	1200		800	ug/Kg	67		0		65	117	20
Nitrobenzene	1200		800	ug/Kg	67	*	3		70	119	20
Isophorone	1200		890	ug/Kg	74	*	3		76	122	20
2-Nitrophenol	1200		910	ug/Kg	76		3		54	145	20
2,4-Dimethylphenol	1200		1000	ug/Kg	83		0		44	135	20
bis(2-Chloroethoxy)methane	1200		860	ug/Kg	72		4		68	112	20
2,4-Dichlorophenol	1200		860	ug/Kg	72		0		72	118	20
1,2,4-Trichlorobenzene	1200		810	ug/Kg	68		3		57	103	20
Benzoic acid	1200		740	ug/Kg	62		5		50	104	20
Naphthalene	1200	130	1100	ug/Kg	81		10		72	110	20
4-Chloroaniline	1200		290	ug/Kg	24		4		10	91	20
Hexachlorobutadiene	1200		830	ug/Kg	69		1		66	114	20
Caprolactam	1200		930	ug/Kg	78		4		51	134	20
4-Chloro-3-methylphenol	1200		810	ug/Kg	68		0		57	132	20
2-Methylnaphthalene	1200	96.8	1000	ug/Kg	75		0		59	123	20
Hexachlorocyclopentadiene	2300		1300	ug/Kg	57		37	*	10	175	20
2,4,6-Trichlorophenol	1200		920	ug/Kg	77		4		72	117	20
2,4,5-Trichlorophenol	1200		860	ug/Kg	72		4		72	117	20
1,1-Biphenyl	1200		960	ug/Kg	80		3		75	113	20
2-Chloronaphthalene	1200		870	ug/Kg	73		6		67	118	20
2-Nitroaniline	1200		890	ug/Kg	74		1		69	127	20
Dimethylphthalate	1200		920	ug/Kg	77		4		70	113	20
Acenaphthylene	1200		1000	ug/Kg	83		0		79	118	20
2,6-Dinitrotoluene	1200		820	ug/Kg	68	*	0		70	125	20
3-Nitroaniline	1200		510	ug/Kg	43		0		30	99	20
Acenaphthene	1200	58.3	980	ug/Kg	77		0		70	121	20
Total PAH	19200	3758.3	22170	ug/Kg	96		3		70	121	20
2,4-Dinitrophenol	2300		1300	ug/Kg	57		13		10	155	20
4-Nitrophenol	2300		1600	ug/Kg	70		7		45	133	20
Dibenzofuran	1200	68.8	960	ug/Kg	74		1		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012225

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		820	ug/Kg	68		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1640	ug/Kg	68		0		55	128	20
Diethylphthalate	1200		880	ug/Kg	73		1		70	112	20
4-Chlorophenyl-phenylether	1200		840	ug/Kg	70	*	3		71	108	20
Fluorene	1200	150	1100	ug/Kg	79		11		68	116	20
4-Nitroaniline	1200		710	ug/Kg	59		2		55	120	20
4,6-Dinitro-2-methylphenol	1200		830	ug/Kg	69		11		10	160	20
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92		0		73	118	20
Azobenzene	1200		1000	ug/Kg	83		1		73	110	20
4-Bromophenyl-phenylether	1200		980	ug/Kg	82		1		65	121	20
Hexachlorobenzene	1200		910	ug/Kg	76		1		67	118	20
Atrazine	1200		1300	ug/Kg	108		0		79	127	20
Pentachlorophenol	2300		1700	ug/Kg	74		0		47	128	20
Phenanthrene	1200	670	2200	ug/Kg	128		0		52	128	20
Anthracene	1200	150	1300	ug/Kg	96		0		62	124	20
Carbazole	1200		980	ug/Kg	82		5		59	119	20
Di-n-butylphthalate	1200		1000	ug/Kg	83		1		69	118	20
Fluoranthene	1200	610	2500	ug/Kg	158	*	11		44	125	20
Benzidine	2300		820	ug/Kg	36		18		10	119	20
Pyrene	1200	440	1500	ug/Kg	88		0		26	142	20
Butylbenzylphthalate	1200		800	ug/Kg	67		3		64	126	20
3,3-Dichlorobenzidine	1200		490	ug/Kg	41		8		33	116	20
Benzo(a)anthracene	1200	310	1700	ug/Kg	116	*	7		71	114	20
Chrysene	1200	250	1400	ug/Kg	96		8		57	121	20
bis(2-Ethylhexyl)phthalate	1200		910	ug/Kg	76		3		42	169	20
Di-n-octyl phthalate	1200		1100	ug/Kg	92		0		23	175	20
Benzo(b)fluoranthene	1200	350	2000	ug/Kg	138	*	7		67	121	20
Benzo(k)fluoranthene	1200	120	1200	ug/Kg	90		0		57	134	20
Benzo(a)pyrene	1200	300	1700	ug/Kg	117		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	110	900	ug/Kg	66		5		40	129	20
Dibenz(a,h)anthracene	1200		730	ug/Kg	61		5		43	123	20
Benzo(g,h,i)perylene	1200	110	860	ug/Kg	63		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1200		950	ug/Kg	79		5		69	124	20
1,4-Dioxane	1200		630	ug/Kg	52		4		46	112	20
2,3,4,6-Tetrachlorophenol	1200		800	ug/Kg	67	*	0		69	112	20
1-Methylnaphthalene	1200	77.5	920	ug/Kg	70		1		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF012225**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB166167BL	PB166167BL	BF141237.D	2-Fluorophenol	150	128.60	86		18	112
			Phenol-d6	150	125.42	84		15	107
			Nitrobenzene-d5	100	88.94	89		18	107
			2-Fluorobiphenyl	100	88.40	88		20	109
			2,4,6-Tribromophenol	150	145.17	97		10	116
			Terphenyl-d14	100	79.57	80		10	105
PB166167BS	PB166167BS	BF141238.D	2-Fluorophenol	150	131.55	88		18	112
			Phenol-d6	150	130.77	87		15	107
			Nitrobenzene-d5	100	91.84	92		18	107
			2-Fluorobiphenyl	100	91.31	91		20	109
			2,4,6-Tribromophenol	150	156.34	104		10	116
			Terphenyl-d14	100	90.92	91		10	105
Q1141-01	SU-4-012125	BF141242.D	2-Fluorophenol	150	74.30	50		18	112
			Phenol-d6	150	73.40	49		15	107
			Nitrobenzene-d5	100	49.39	49		18	107
			2-Fluorobiphenyl	100	61.23	61		20	109
			2,4,6-Tribromophenol	150	65.36	44		10	116
			Terphenyl-d14	100	43.69	44		10	105
Q1142-01	PL-1-012125	BF141239.D	2-Fluorophenol	150	57.42	38		18	112
			Phenol-d6	150	56.48	38		15	107
			Nitrobenzene-d5	100	38.49	38		18	107
			2-Fluorobiphenyl	100	39.04	39		20	109
			2,4,6-Tribromophenol	150	57.03	38		10	116
			Terphenyl-d14	100	29.53	30		10	105
Q1142-01MS	PL-1-012125MS	BF141240.D	2-Fluorophenol	150	112.08	75		18	112
			Phenol-d6	150	110.25	73		15	107
			Nitrobenzene-d5	100	82.05	82		18	107
			2-Fluorobiphenyl	100	80.94	81		20	109
			2,4,6-Tribromophenol	150	112.97	75		10	116
			Terphenyl-d14	100	54.88	55		10	105
Q1142-01MSD	PL-1-012125MSD	BF141241.D	2-Fluorophenol	150	113.62	76		18	112
			Phenol-d6	150	112.30	75		15	107
			Nitrobenzene-d5	100	84.57	85		18	107
			2-Fluorobiphenyl	100	85.65	86		20	109
			2,4,6-Tribromophenol	150	115.67	77		10	116
			Terphenyl-d14	100	55.27	55		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF012225

Lab Code: CHEM

SAS No.: BF012225

SDG NO.: BF012225

Lab File ID: BF141235.D

DFTPP Injection Date: 01/22/2025

Instrument ID: BNA_F

DFTPP Injection Time: 13:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.7
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	31.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	43.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BF141236.D	01/22/2025	14:24
PB166167BL	PB166167BL	BF141237.D	01/22/2025	14:50
PB166167BS	PB166167BS	BF141238.D	01/22/2025	16:35
PL-1-012125	Q1142-01	BF141239.D	01/22/2025	17:06
PL-1-012125MS	Q1142-01MS	BF141240.D	01/22/2025	17:32
PL-1-012125MSD	Q1142-01MSD	BF141241.D	01/22/2025	17:58
SU-4-012125	Q1141-01	BF141242.D	01/22/2025	18:24