

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF010625 SAS No.: BF010625 SDG No.: BF010625
Instrument ID: BNA_F Calibration Date/Time: 1/6/2025 12:13:02
Lab File ID: BF141071.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	0.677		-9.005	
Pyridine	1.468	1.440		-1.907	
2-Fluorophenol	1.327	1.223		-7.837	
Benzaldehyde	0.941	0.833		-11.477	
Aniline	1.524	1.454		-4.593	
Phenol-d6	1.709	1.570		-8.133	
Phenol	1.767	1.696		-4.018	20.0
bis(2-Chloroethyl)ether	1.427	1.280		-10.301	
2-Chlorophenol	1.399	1.302		-6.934	
1,2-Dichlorobenzene	1.451	1.402		-3.377	
1,3-Dichlorobenzene	1.544	1.502		-2.72	
1,4-Dichlorobenzene	1.556	1.513		-2.763	20.0
Benzyl Alcohol	1.228	1.123		-8.55	
2-Methylphenol	1.162	1.072		-7.745	
2,2-oxybis(1-Chloropropane)	2.158	1.906		-11.677	
Acetophenone	0.491	0.453		-7.739	
3+4-Methylphenols	1.471	1.353		-8.022	
n-Nitroso-di-n-propylamine	1.047	0.928	0.050	-11.366	
Nitrobenzene-d5	0.313	0.343		9.585	
Hexachloroethane	0.553	0.524		-5.244	
Nitrobenzene	0.349	0.368		5.444	
Isophorone	0.680	0.629		-7.5	
2-Nitrophenol	0.118	0.132		11.864	20.0
2,4-Dimethylphenol	0.249	0.230		-7.631	
bis(2-Chloroethoxy)methane	0.431	0.400		-7.193	
2,4-Dichlorophenol	0.282	0.275		-2.482	20.0
1,2,4-Trichlorobenzene	0.319	0.316		-0.94	
Benzoic acid	0.178	0.163		-8.427	
Naphthalene	1.054	1.014		-3.795	
4-Chloroaniline	0.381	0.350		-8.136	
Hexachlorobutadiene	0.188	0.189		0.532	20.0
Caprolactam	0.096	0.088		-8.333	
4-Chloro-3-methylphenol	0.313	0.295		-5.751	20.0
2-Methylnaphthalene	0.674	0.639		-5.193	
Hexachlorocyclopentadiene	0.182	0.178	0.050	-2.198	
2,4,6-Trichlorophenol	0.366	0.343		-6.284	20.0
2-Fluorobiphenyl	1.255	1.183		-5.737	
2,4,5-Trichlorophenol	0.375	0.384		2.4	
1,1-Biphenyl	1.531	1.467		-4.18	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.188	1.144		-3.704	
2-Nitroaniline	0.259	0.318		22.78	
Dimethylphthalate	1.316	1.254		-4.711	
Acenaphthylene	1.710	1.631		-4.62	
2,6-Dinitrotoluene	0.231	0.280		21.212	
3-Nitroaniline	0.255	0.298		16.863	
Acenaphthene	1.156	1.117		-3.374	20.0
2,4-Dinitrophenol	0.075	0.094	0.050	25.333	
4-Nitrophenol	0.225	0.227	0.050	0.889	
Dibenzofuran	1.624	1.562		-3.818	
2,4-Dinitrotoluene	0.273	0.359		31.502	
Diethylphthalate	1.299	1.230		-5.312	
4-Chlorophenyl-phenylether	0.606	0.585		-3.465	
Fluorene	1.260	1.183		-6.111	
4-Nitroaniline	0.255	0.297		16.471	
4,6-Dinitro-2-methylphenol	0.067	0.089		32.836	
n-Nitrosodiphenylamine	0.630	0.643		2.063	20.0
Azobenzene	1.363	1.252		-8.144	
2,4,6-Tribromophenol	0.194	0.202		4.124	
4-Bromophenyl-phenylether	0.216	0.232		7.407	
Hexachlorobenzene	0.238	0.251		5.462	
Atrazine	0.176	0.152		-13.636	
Pentachlorophenol	0.148	0.154		4.054	20.0
Phenanthrene	1.053	1.045		-0.76	
Anthracene	1.031	1.025		-0.582	
Carbazole	0.992	0.952		-4.032	
Di-n-butylphthalate	1.128	1.077		-4.521	
Fluoranthene	1.142	1.046		-8.406	20.0
Benzidine	0.423	0.404		-4.492	
Pyrene	1.749	1.769		1.144	
Terphenyl-d14	1.204	1.210		0.498	
Butylbenzylphthalate	0.639	0.560		-12.363	
3,3-Dichlorobenzidine	0.419	0.417		-0.477	
Benzo(a)anthracene	1.394	1.253		-10.115	
Chrysene	1.257	1.208		-3.898	
Bis(2-ethylhexyl)phthalate	0.828	0.696		-15.942	
Di-n-octyl phthalate	1.199	1.098		-8.424	20.0
Benzo(b)fluoranthene	1.395	1.202		-13.835	
Benzo(k)fluoranthene	1.093	1.081		-1.098	

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Instrument ID: BNA_F Calibration Date/Time: 1/6/2025 12:13:02

Lab File ID: BF141071.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	1.053		-2.77	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.470		16.667	
Dibenzo(a,h)anthracene	1.021	1.207		18.217	
Benzo(g,h,i)perylene	1.059	1.258		18.791	
1,2,4,5-Tetrachlorobenzene	0.550	0.541		-1.636	
1,4-Dioxane	0.601	0.574		-4.493	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.308		-0.645	
1-Methylnaphthalene	0.663	0.629		-5.128	

All other compounds must meet a minimum RRF of 0.010.



Client:			Date Collected:	1/6/2025 12:00:00 AM	
Project:			Date Received:	1/6/2025 12:00:00 AM	
Client Sample ID:	PB165961BL		SDG No.:	BF010625	
Lab Sample ID:	PB165961BL		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
BF141072.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

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:	1/6/2025 12:00:00 AM
Project:		Date Received:	1/6/2025 12:00:00 AM
Client Sample ID:	PB165961BL	SDG No.:	BF010625
Lab Sample ID:	PB165961BL	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
BF141072.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

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

Report of Analysis

Client:		Date Collected:	1/6/2025 12:00:00 AM
Project:		Date Received:	1/6/2025 12:00:00 AM
Client Sample ID:	PB165961BL	SDG No.:	BF010625
Lab Sample ID:	PB165961BL	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
BF141072.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

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	132.017		18-112		88	SPK: -150
13127-88-3	Phenol-d6	129.055		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	111.198	*	18-107		111	SPK: -100
321-60-8	2-Fluorobiphenyl	93.127		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	1/6/2025 12:00:00 AM
Project:		Date Received:	1/6/2025 12:00:00 AM
Client Sample ID:	PB165961BL	SDG No.:	BF010625
Lab Sample ID:	PB165961BL	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
BF141072.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	156.223		10-116		104	SPK: -150
1718-51-0	Terphenyl-d14	96.375		10-105		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	232658	6.828				
1146-65-2	Naphthalene-d8	927744	8.104				
15067-26-2	Acenaphthene-d10	495156	9.857				
1517-22-2	Phenanthrene-d10	856445	11.339				
1719-03-5	Chrysene-d12	571875	13.98				
1520-96-3	Perylene-d12	499031	15.439				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	85.9	J			2.152	
004744-10-9	Propane, 1,1-dimethoxy-	120	J			2.258	

Report of Analysis

Client:		Date Collected:	1/6/2025 12:00:00 AM
Project:		Date Received:	1/6/2025 12:00:00 AM
Client Sample ID:	PB165961BS	SDG No.:	BF010625
Lab Sample ID:	PB165961BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141073.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1500		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	1500		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1700		90.7	130	170	ug/Kg
78-59-1	Isophorone	1600		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1600		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	590		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/6/2025 12:00:00 AM
Project:		Date Received:	1/6/2025 12:00:00 AM
Client Sample ID:	PB165961BS	SDG No.:	BF010625
Lab Sample ID:	PB165961BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141073.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1800		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	970		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1800		81	130	170	ug/Kg
Total PAH	Total PAH	27800		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3700		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		84.9	130	170	ug/Kg
1912-24-9	Atrazine	2100		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/6/2025 12:00:00 AM
Project:		Date Received:	1/6/2025 12:00:00 AM
Client Sample ID:	PB165961BS	SDG No.:	BF010625
Lab Sample ID:	PB165961BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141073.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3500	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	130	170	ug/Kg
120-12-7	Anthracene	1800		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	130	170	ug/Kg
92-87-5	Benzidine	1900		160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1700		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1400		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.498		18-112		87	SPK: -150
13127-88-3	Phenol-d6	128.959		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	111.961	*	18-107		112	SPK: -100
321-60-8	2-Fluorobiphenyl	94.131		20-109		94	SPK: -100

Report of Analysis

Client:		Date Collected:	1/6/2025 12:00:00 AM
Project:		Date Received:	1/6/2025 12:00:00 AM
Client Sample ID:	PB165961BS	SDG No.:	BF010625
Lab Sample ID:	PB165961BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141073.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	162.332		10-116		108	SPK: -150
1718-51-0	Terphenyl-d14	103.013		10-105		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	226250	6.828				
1146-65-2	Naphthalene-d8	889913	8.11				
15067-26-2	Acenaphthene-d10	476125	9.863				
1517-22-2	Phenanthrene-d10	772941	11.345				
1719-03-5	Chrysene-d12	464199	13.986				
1520-96-3	Perylene-d12	513292	15.445				

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:	SU-03-1-03-2025	SDG No.:	BF010625
Lab Sample ID:	Q1009-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF141074.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.2	U	57.2	180	220	ug/Kg
110-86-1	Pyridine	52.6	U	52.6	85.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.8	U	63.8	85.6	110	ug/Kg
108-95-2	Phenol	54.6	U	54.6	85.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.1	U	55.1	85.6	110	ug/Kg
95-57-8	2-Chlorophenol	55	U	55	85.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.7	U	55.7	85.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.6	U	56.6	85.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57	U	57	85.6	110	ug/Kg
100-51-6	Benzyl Alcohol	54.7	U	54.7	180	220	ug/Kg
95-48-7	2-Methylphenol	53.1	U	53.1	85.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.9	U	59.9	85.6	110	ug/Kg
98-86-2	Acetophenone	57.2	U	57.2	85.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.6	U	52.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.5	U	26.5	52.7	52.7	ug/Kg
67-72-1	Hexachloroethane	54.7	U	54.7	85.6	110	ug/Kg
98-95-3	Nitrobenzene	59.8	U	59.8	85.6	110	ug/Kg
78-59-1	Isophorone	55.7	U	55.7	85.6	110	ug/Kg
88-75-5	2-Nitrophenol	62.2	U	62.2	85.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.4	U	61.4	85.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.5	U	56.5	85.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.7	U	49.7	85.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.3	U	56.3	85.6	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.4	U	54.4	85.6	110	ug/Kg
106-47-8	4-Chloroaniline	54.4	U	54.4	85.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.9	U	54.9	85.6	110	ug/Kg

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:	SU-03-1-03-2025	SDG No.:	BF010625
Lab Sample ID:	Q1009-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF141074.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.2	U	57.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51	U	51	85.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.3	U	54.3	85.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47	U	47	85.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.7	U	48.7	85.6	110	ug/Kg
92-52-4	1,1-Biphenyl	57.6	U	57.6	85.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.9	U	54.9	85.6	110	ug/Kg
88-74-4	2-Nitroaniline	62.6	U	62.6	85.6	110	ug/Kg
131-11-3	Dimethylphthalate	53.8	U	53.8	85.6	110	ug/Kg
208-96-8	Acenaphthylene	57	U	57	85.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.8	U	54.8	85.6	110	ug/Kg
99-09-2	3-Nitroaniline	58.8	U	58.8	85.6	110	ug/Kg
83-32-9	Acenaphthene	53.4	U	53.4	85.6	110	ug/Kg
Total PAH	Total PAH	1887.5	U	872.9	85.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.4	U	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	55.6	U	55.6	85.6	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.8	U	56.8	85.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	111.6	U	111.6	85.6	220	ug/Kg
84-66-2	Diethylphthalate	52.8	U	52.8	85.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.4	U	56.4	85.6	110	ug/Kg
86-73-7	Fluorene	56.3	U	56.3	85.6	110	ug/Kg
100-01-6	4-Nitroaniline	70.5	U	70.5	85.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.1	U	77.1	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.7	U	53.7	85.6	110	ug/Kg
103-33-3	Azobenzene	52.4	U	52.4	85.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	85.6	110	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	85.6	110	ug/Kg
1912-24-9	Atrazine	60.2	U	60.2	85.6	110	ug/Kg



Client:			Date Collected:	1/3/2025 12:00:00 AM	
Project:			Date Received:	1/3/2025 12:00:00 AM	
Client Sample ID:	SU-03-1-03-2025		SDG No.:	BF010625	
Lab Sample ID:	Q1009-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	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
BF141074.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.9	U	50.9	180	220	ug/Kg
85-01-8	Phenanthrene	320		55.3	85.6	110	ug/Kg
120-12-7	Anthracene	87.6	J	55.6	85.6	110	ug/Kg
86-74-8	Carbazole	52.9	U	52.9	85.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.5	U	55.5	85.6	110	ug/Kg
206-44-0	Fluoranthene	310		53.8	85.6	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	330		54.7	85.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.8	U	63.8	85.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.9	U	64.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	180		53.2	85.6	110	ug/Kg
218-01-9	Chrysene	170		52.4	85.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.9	U	59.9	85.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.5	U	72.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	150		53.4	85.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.6	J	54.4	85.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	150		61.3	85.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	60.3	J	51.4	85.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53.5	U	53.5	85.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	71	J	52.8	85.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.2	U	57.2	85.6	110	ug/Kg
123-91-1	1,4-Dioxane	72.5	U	72.5	85.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.2	U	49.2	85.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.8	U	54.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.344		18-112		61	SPK: -150
13127-88-3	Phenol-d6	87.16		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	80.337		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	68.7		20-109		69	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:	SU-03-1-03-2025	SDG No.:	BF010625
Lab Sample ID:	Q1009-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF141074.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	92.617		10-116		62	SPK: -150
1718-51-0	Terphenyl-d14	56.996		10-105		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	267369	6.828				
1146-65-2	Naphthalene-d8	977250	8.11				
15067-26-2	Acenaphthene-d10	435336	9.857				
1517-22-2	Phenanthrene-d10	631500	11.345				
1719-03-5	Chrysene-d12	509014	13.986				
1520-96-3	Perylene-d12	391352	15.445				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	240	J			8.698	
061141-72-8	Dodecane, 4,6-dimethyl-	180	J			9.128	
000629-59-4	Tetradecane	730	J			9.269	
001076-61-5	Naphthalene, 1,2,3,4-tetrahydro-6,	160	J			9.333	
000575-43-9	Naphthalene, 1,6-dimethyl-	260	J			9.522	
1000342-70-4	1-Octadecanesulphonyl chloride	370	J			9.586	
	unknown9.639	170	J			9.639	
000629-62-9	Pentadecane	670	J			9.798	
	unknown10.033	160	J			10.033	
000544-76-3	Hexadecane	720	J			10.298	
055045-11-9	Tridecane, 5-propyl-	380	J			10.516	
000629-94-7	Heneicosane	1400	J			10.775	
000593-45-3	Octadecane	860	J			11.216	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	430	J			11.245	
000629-92-5	Nonadecane	700	J			11.645	
000613-12-7	Anthracene, 2-methyl-	210	J			11.874	
000203-64-5	4H-Cyclopenta[def]phenanthrene	350	J			11.957	
000629-78-7	Heptadecane	620	J			12.051	
000646-31-1	Tetracosane	490	J			12.439	

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:	SU-03-1-03-2025	SDG No.:	BF010625
Lab Sample ID:	Q1009-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF141074.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000630-01-3	Hexacosane	180	J			13.169	

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:	SU-03-1-03-2025MS	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04	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
BF141075.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	820		57.2	180	220	ug/Kg
110-86-1	Pyridine	740		52.6	85.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	810		63.8	85.6	110	ug/Kg
108-95-2	Phenol	860		54.6	85.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	840		55.1	85.6	110	ug/Kg
95-57-8	2-Chlorophenol	880		55	85.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	820		55.7	85.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	810		56.7	85.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	800		57	85.6	110	ug/Kg
100-51-6	Benzyl Alcohol	850		54.7	180	220	ug/Kg
95-48-7	2-Methylphenol	840		53.1	85.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	790		59.9	85.6	110	ug/Kg
98-86-2	Acetophenone	900		57.3	85.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	810		52.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	790		26.6	52.7	52.7	ug/Kg
67-72-1	Hexachloroethane	810		54.7	85.6	110	ug/Kg
98-95-3	Nitrobenzene	980		59.8	85.6	110	ug/Kg
78-59-1	Isophorone	910		55.7	85.6	110	ug/Kg
88-75-5	2-Nitrophenol	1100		62.3	85.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		61.4	85.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	870		56.5	85.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	890		49.7	85.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	830		56.3	85.6	110	ug/Kg
65-85-0	Benzoic acid	960		160	180	220	ug/Kg
91-20-3	Naphthalene	840		54.4	85.6	110	ug/Kg
106-47-8	4-Chloroaniline	400		54.4	85.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	880		54.9	85.6	110	ug/Kg

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:	SU-03-1-03-2025MS	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04 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
BF141075.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	920		57.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	810		51.1	85.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	830		54.4	85.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		47	85.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		48.8	85.6	110	ug/Kg
92-52-4	1,1-Biphenyl	970		57.6	85.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	910		54.9	85.6	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.6	85.6	110	ug/Kg
131-11-3	Dimethylphthalate	950		53.8	85.6	110	ug/Kg
208-96-8	Acenaphthylene	940		57	85.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	970		54.8	85.6	110	ug/Kg
99-09-2	3-Nitroaniline	730		58.8	85.6	110	ug/Kg
83-32-9	Acenaphthene	940		53.4	85.6	110	ug/Kg
Total PAH	Total PAH	15980		873	85.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1300		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	890		55.6	85.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	970		111.6	85.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		56.8	85.6	110	ug/Kg
84-66-2	Diethylphthalate	890		52.8	85.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	880		56.4	85.6	110	ug/Kg
86-73-7	Fluorene	870		56.3	85.6	110	ug/Kg
100-01-6	4-Nitroaniline	800		70.5	85.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	730		77.1	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	970		53.8	85.6	110	ug/Kg
103-33-3	Azobenzene	910		52.4	85.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	980		52	85.6	110	ug/Kg
118-74-1	Hexachlorobenzene	950		56	85.6	110	ug/Kg
1912-24-9	Atrazine	1200		60.2	85.6	110	ug/Kg

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:	SU-03-1-03-2025MS	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04	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
BF141075.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000	E	50.9	180	220	ug/Kg
85-01-8	Phenanthrene	1200		55.3	85.6	110	ug/Kg
120-12-7	Anthracene	1100		55.6	85.6	110	ug/Kg
86-74-8	Carbazole	950		52.9	85.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	970		55.5	85.6	110	ug/Kg
206-44-0	Fluoranthene	1200		53.8	85.6	110	ug/Kg
92-87-5	Benzidine	1200		110	180	220	ug/Kg
129-00-0	Pyrene	1200		54.7	85.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		63.8	85.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	840		65	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		53.2	85.6	110	ug/Kg
218-01-9	Chrysene	1000		52.4	85.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		60	85.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		72.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	890		53.4	85.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	900		54.4	85.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		61.3	85.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		51.5	85.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	960		53.5	85.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		52.8	85.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		57.2	85.6	110	ug/Kg
123-91-1	1,4-Dioxane	660		72.5	85.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		49.2	85.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	770		54.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.827		18-112		57	SPK: -150
13127-88-3	Phenol-d6	81.452		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	73.382		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	64.908		20-109		65	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:	SU-03-1-03-2025MS	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.04 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
BF141075.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.386		10-116		64	SPK: -150
1718-51-0	Terphenyl-d14	61.58		10-105		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	260013	6.828				
1146-65-2	Naphthalene-d8	924417	8.11				
15067-26-2	Acenaphthene-d10	398032	9.863				
1517-22-2	Phenanthrene-d10	625013	11.351				
1719-03-5	Chrysene-d12	441305	13.992				
1520-96-3	Perylene-d12	374424	15.451				

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:	SU-03-1-03-2025MSD	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BF141076.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	830		57.2	180	220	ug/Kg
110-86-1	Pyridine	760		52.6	85.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	810		63.8	85.6	110	ug/Kg
108-95-2	Phenol	880		54.6	85.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	870		55.1	85.6	110	ug/Kg
95-57-8	2-Chlorophenol	900		55	85.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	830		55.7	85.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	820		56.6	85.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	810		57	85.6	110	ug/Kg
100-51-6	Benzyl Alcohol	870		54.6	180	220	ug/Kg
95-48-7	2-Methylphenol	860		53.1	85.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	810		59.9	85.6	110	ug/Kg
98-86-2	Acetophenone	920		57.2	85.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	820		52.5	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	800		26.5	52.7	52.7	ug/Kg
67-72-1	Hexachloroethane	790		54.6	85.6	110	ug/Kg
98-95-3	Nitrobenzene	990		59.8	85.6	110	ug/Kg
78-59-1	Isophorone	920		55.7	85.6	110	ug/Kg
88-75-5	2-Nitrophenol	1100		62.2	85.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		61.4	85.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		56.5	85.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	910		49.7	85.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	840		56.2	85.6	110	ug/Kg
65-85-0	Benzoic acid	980		160	180	220	ug/Kg
91-20-3	Naphthalene	860		54.4	85.6	110	ug/Kg
106-47-8	4-Chloroaniline	440		54.4	85.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	880		54.8	85.6	110	ug/Kg

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:	SU-03-1-03-2025MSD	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BF141076.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	970		57.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	820		51	85.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	840		54.3	85.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	860		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		47	85.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		48.7	85.6	110	ug/Kg
92-52-4	1,1-Biphenyl	980		57.5	85.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	910		54.8	85.6	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.5	85.6	110	ug/Kg
131-11-3	Dimethylphthalate	960		53.8	85.6	110	ug/Kg
208-96-8	Acenaphthylene	960		57	85.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	980		54.8	85.6	110	ug/Kg
99-09-2	3-Nitroaniline	800		58.7	85.6	110	ug/Kg
83-32-9	Acenaphthene	940		53.4	85.6	110	ug/Kg
Total PAH	Total PAH	16400		872.4	85.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	990		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	910		55.6	85.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2080		111.6	85.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		56.8	85.6	110	ug/Kg
84-66-2	Diethylphthalate	920		52.7	85.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		56.4	85.6	110	ug/Kg
86-73-7	Fluorene	900		56.3	85.6	110	ug/Kg
100-01-6	4-Nitroaniline	880		70.5	85.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550		77	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	950		53.7	85.6	110	ug/Kg
103-33-3	Azobenzene	940		52.4	85.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	980		51.9	85.6	110	ug/Kg
118-74-1	Hexachlorobenzene	950		56	85.6	110	ug/Kg
1912-24-9	Atrazine	1200		60.2	85.6	110	ug/Kg



Client:		Date Collected:	1/3/2025 12:00:00 AM
Project:		Date Received:	1/3/2025 12:00:00 AM
Client Sample ID:	SU-03-1-03-2025MSD	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141076.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000	E	50.9	180	220	ug/Kg
85-01-8	Phenanthrene	1200		55.3	85.6	110	ug/Kg
120-12-7	Anthracene	1100		55.6	85.6	110	ug/Kg
86-74-8	Carbazole	960		52.9	85.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	980		55.5	85.6	110	ug/Kg
206-44-0	Fluoranthene	1100		53.8	85.6	110	ug/Kg
92-87-5	Benzidine	1600		110	180	220	ug/Kg
129-00-0	Pyrene	1300		54.6	85.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.7	85.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	950		64.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		53.1	85.6	110	ug/Kg
218-01-9	Chrysene	1100		52.3	85.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		59.9	85.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		72.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		53.4	85.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	970		54.4	85.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		61.2	85.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		51.4	85.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	940		53.5	85.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		52.7	85.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		57.2	85.6	110	ug/Kg
123-91-1	1,4-Dioxane	680		72.4	85.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		49.2	85.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	790		54.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.459		18-112		58	SPK: -150
13127-88-3	Phenol-d6	83.368		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	75.582		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	64.95		20-109		65	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:	SU-03-1-03-2025MSD	SDG No.:	BF010625
Lab Sample ID:	Q1009-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9
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
BF141076.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.578		10-116		68	SPK: -150
1718-51-0	Terphenyl-d14	67.339		10-105		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	242867	6.828				
1146-65-2	Naphthalene-d8	860402	8.11				
15067-26-2	Acenaphthene-d10	377155	9.863				
1517-22-2	Phenanthrene-d10	617908	11.351				
1719-03-5	Chrysene-d12	384786	13.992				
1520-96-3	Perylene-d12	337152	15.451				

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:	TR-04-010325	SDG No.:	BF010625
Lab Sample ID:	Q1010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141077.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.6	U	58.6	180	220	ug/Kg
110-86-1	Pyridine	53.9	U	53.9	87.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.4	U	65.4	87.7	110	ug/Kg
108-95-2	Phenol	55.9	U	55.9	87.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.5	U	56.5	87.7	110	ug/Kg
95-57-8	2-Chlorophenol	56.3	U	56.3	87.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.1	U	57.1	87.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58	U	58	87.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.4	U	58.4	87.7	110	ug/Kg
100-51-6	Benzyl Alcohol	56	U	56	180	220	ug/Kg
95-48-7	2-Methylphenol	54.4	U	54.4	87.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.3	U	61.3	87.7	110	ug/Kg
98-86-2	Acetophenone	58.6	U	58.6	87.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.8	U	53.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.2	U	27.2	54	54	ug/Kg
67-72-1	Hexachloroethane	56	U	56	87.7	110	ug/Kg
98-95-3	Nitrobenzene	61.3	U	61.3	87.7	110	ug/Kg
78-59-1	Isophorone	57.1	U	57.1	87.7	110	ug/Kg
88-75-5	2-Nitrophenol	63.8	U	63.8	87.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.9	U	62.9	87.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.9	U	57.9	87.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.9	U	50.9	87.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.6	U	57.6	87.7	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.7	U	55.7	87.7	110	ug/Kg
106-47-8	4-Chloroaniline	55.7	U	55.7	87.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.2	U	56.2	87.7	110	ug/Kg

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:	TR-04-010325	SDG No.:	BF010625
Lab Sample ID:	Q1010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141077.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.6	U	58.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.3	U	52.3	87.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	120		55.7	87.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.2	U	48.2	87.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49.9	U	49.9	87.7	110	ug/Kg
92-52-4	1,1-Biphenyl	59	U	59	87.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.2	U	56.2	87.7	110	ug/Kg
88-74-4	2-Nitroaniline	64.1	U	64.1	87.7	110	ug/Kg
131-11-3	Dimethylphthalate	55.1	U	55.1	87.7	110	ug/Kg
208-96-8	Acenaphthylene	58.6	J	58.4	87.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.1	U	56.1	87.7	110	ug/Kg
99-09-2	3-Nitroaniline	60.2	U	60.2	87.7	110	ug/Kg
83-32-9	Acenaphthene	54.7	U	54.7	87.7	110	ug/Kg
Total PAH	Total PAH	2770.4		893.8	87.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.3	U	78.3	180	220	ug/Kg
132-64-9	Dibenzofuran	56.9	U	56.9	87.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.2	U	58.2	87.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.3	U	114.3	87.7	220	ug/Kg
84-66-2	Diethylphthalate	54	U	54	87.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.7	U	57.7	87.7	110	ug/Kg
86-73-7	Fluorene	99.3	J	57.7	87.7	110	ug/Kg
100-01-6	4-Nitroaniline	72.2	U	72.2	87.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.9	U	78.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.1	U	55.1	87.7	110	ug/Kg
103-33-3	Azobenzene	53.7	U	53.7	87.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.2	U	53.2	87.7	110	ug/Kg
118-74-1	Hexachlorobenzene	57.3	U	57.3	87.7	110	ug/Kg
1912-24-9	Atrazine	61.7	U	61.7	87.7	110	ug/Kg

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:	TR-04-010325	SDG No.:	BF010625
Lab Sample ID:	Q1010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141077.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.2	U	52.2	180	220	ug/Kg
85-01-8	Phenanthrene	410		56.7	87.7	110	ug/Kg
120-12-7	Anthracene	110		56.9	87.7	110	ug/Kg
86-74-8	Carbazole	54.2	U	54.2	87.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.9	U	56.9	87.7	110	ug/Kg
206-44-0	Fluoranthene	460		55.1	87.7	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	510		56	87.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.3	U	65.3	87.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.5	U	66.5	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	230		54.4	87.7	110	ug/Kg
218-01-9	Chrysene	200		53.6	87.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.4	U	61.4	87.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	74.2	U	74.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	200		54.7	87.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	97.6	J	55.7	87.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	210		62.7	87.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.9	J	52.7	87.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.8	U	54.8	87.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	J	54	87.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.6	U	58.6	87.7	110	ug/Kg
123-91-1	1,4-Dioxane	74.2	U	74.2	87.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.4	U	50.4	87.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	97.8	J	56.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	39.793		18-112		27	SPK: -150
13127-88-3	Phenol-d6	36.292		15-107		24	SPK: -150
4165-60-0	Nitrobenzene-d5	35.209		18-107		35	SPK: -100
321-60-8	2-Fluorobiphenyl	27.649		20-109		28	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:	TR-04-010325	SDG No.:	BF010625
Lab Sample ID:	Q1010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BF141077.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	39.755		10-116		27	SPK: -150
1718-51-0	Terphenyl-d14	24.45		10-105		24	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	219512	6.828				
1146-65-2	Naphthalene-d8	722699	8.11				
15067-26-2	Acenaphthene-d10	327345	9.863				
1517-22-2	Phenanthrene-d10	544550	11.351				
1719-03-5	Chrysene-d12	377518	13.986				
1520-96-3	Perylene-d12	312882	15.457				
TENTATIVE IDENTIFIED COMPOUNDS							
000124-18-5	Decane	330	J			6.669	
001074-43-7	Benzene, 1-methyl-3-propyl-	450	J			7.104	
001074-55-1	Benzene, 1-methyl-4-propyl-	350	J			7.222	
000629-59-4	Tetradecane	1200	J			9.269	
021693-54-9	Naphthalene, 1,2,3,4-tetrahydro-5,	310	J			9.334	
000581-40-8	Naphthalene, 2,3-dimethyl-	490	J			9.522	
000112-40-3	Dodecane	740	J			9.586	
	unknown9.645	300	J			9.645	
000629-62-9	Pentadecane	1000	J			9.798	
000544-76-3	Hexadecane	300	J			10.034	
055045-08-4	Dodecane, 2-methyl-6-propyl-	230	J			10.122	
000629-92-5	Nonadecane	1100	J			10.298	
055045-11-9	Tridecane, 5-propyl-	590	J			10.516	
000629-50-5	Tridecane	1900	J			10.775	
000593-45-3	Octadecane	1300	J			11.222	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	580	J			11.251	
000629-94-7	Heneicosane	1100	J			11.651	
000112-95-8	Eicosane	970	J			12.057	
000629-99-2	Pentacosane	1000	J			12.445	

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:	TR-04-010325	SDG No.:	BF010625
Lab Sample ID:	Q1010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BF141077.D	1	1/6/2025 12:00:00 AM	1/6/2025 12:00:00 AM	PB165961

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
013475-75-7	Pentadecane, 8-hexyl-	360	J			13.174	

Hit Summary Sheet SW-846

SDG No.: BF010625

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SU-03-1-03-2025								
Q1009-01	SU-03-1-03-2025	Solid	1-Octadecanesulphonyl chloride *	370.000	J			
Q1009-01	SU-03-1-03-2025	Solid	4H-Cyclopenta[def]phenanthrene *	350.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Anthracene, 2-methyl- *	210.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Dodecane, 4,6-dimethyl- *	180.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Heneicosane *	1,400.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Heptadecane *	620.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Heptadecane, 2,6,10,15-tetramethyl- *	430.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Hexacosane *	180.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Hexadecane *	720.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Naphthalene, 1,2,3,4-tetrahydro-6 *	160.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Naphthalene, 1,6-dimethyl- *	260.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Nonadecane *	700.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Octadecane *	860.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Pentadecane *	670.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Tetracosane *	490.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Tetradecane *	730.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Tridecane *	240.000	J			
Q1009-01	SU-03-1-03-2025	Solid	Tridecane, 5-propyl- *	380.000	J			
Q1009-01	SU-03-1-03-2025	Solid	unknown10.033 *	160.000	J			
Q1009-01	SU-03-1-03-2025	Solid	unknown9.639 *	170.000	J			
Total Tics :				9,280.00				
Q1009-01	SU-03-1-03-2025	Solid	Anthracene	87.600	J	55.6	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Benzo(a)anthracene	180.000		53.2	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Benzo(a)pyrene	150.000		61.3	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Benzo(b)fluoranthene	150.000		53.4	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Benzo(g,h,i)perylene	71.000	J	52.8	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Benzo(k)fluoranthene	58.600	J	54.4	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Chrysene	170.000		52.4	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Fluoranthene	310.000		53.8	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Indeno(1,2,3-cd)pyrene	60.300	J	51.4	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Phenanthrene	320.000		55.3	110	ug/Kg
Q1009-01	SU-03-1-03-2025	Solid	Pyrene	330.000		54.7	110	ug/Kg
Total Svoc :				1,887.50				
Total Concentration:				11,167.50				
Client ID : TR-04-010325								
Q1010-01	TR-04-010325	Solid	Benzene, 1-methyl-3-propyl- *	450.000	J			
Q1010-01	TR-04-010325	Solid	Benzene, 1-methyl-4-propyl- *	350.000	J			

Hit Summary Sheet
SW-846

SDG No.: BF010625

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1010-01	TR-04-010325	Solid	Decane	*	330.000	J		
Q1010-01	TR-04-010325	Solid	Dodecane	*	740.000	J		
Q1010-01	TR-04-010325	Solid	Dodecane, 2-methyl-6-propyl-	*	230.000	J		
Q1010-01	TR-04-010325	Solid	Eicosane	*	970.000	J		
Q1010-01	TR-04-010325	Solid	Heneicosane	*	1,100.000	J		
Q1010-01	TR-04-010325	Solid	Hexadecane	*	300.000	J		
Q1010-01	TR-04-010325	Solid	Hexadecane, 2,6,10,14-tetramethy	*	580.000	J		
Q1010-01	TR-04-010325	Solid	Naphthalene, 1,2,3,4-tetrahydro-5-	*	310.000	J		
Q1010-01	TR-04-010325	Solid	Naphthalene, 2,3-dimethyl-	*	490.000	J		
Q1010-01	TR-04-010325	Solid	Nonadecane	*	1,100.000	J		
Q1010-01	TR-04-010325	Solid	Octadecane	*	1,300.000	J		
Q1010-01	TR-04-010325	Solid	Pentacosane	*	1,000.000	J		
Q1010-01	TR-04-010325	Solid	Pentadecane	*	1,000.000	J		
Q1010-01	TR-04-010325	Solid	Pentadecane, 8-hexyl-	*	360.000	J		
Q1010-01	TR-04-010325	Solid	Tetradecane	*	1,200.000	J		
Q1010-01	TR-04-010325	Solid	Tridecane	*	1,900.000	J		
Q1010-01	TR-04-010325	Solid	Tridecane, 5-propyl-	*	590.000	J		
Q1010-01	TR-04-010325	Solid	unknown9.645	*	300.000	J		
Total Tics :					14,600.00			
Q1010-01	TR-04-010325	Solid	1-Methylnaphthalene		97.800	J	56.1	110 ug/Kg
Q1010-01	TR-04-010325	Solid	2-Methylnaphthalene		120.000		55.7	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Acenaphthylene		58.600	J	58.4	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Anthracene		110.000		56.9	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Benzo(a)anthracene		230.000		54.4	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Benzo(a)pyrene		210.000		62.7	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Benzo(b)fluoranthene		200.000		54.7	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Benzo(g,h,i)perylene		100.000	J	54	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Benzo(k)fluoranthene		97.600	J	55.7	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Chrysene		200.000		53.6	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Fluoranthene		460.000		55.1	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Fluorene		99.300	J	57.7	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Indeno(1,2,3-cd)pyrene		84.900	J	52.7	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Phenanthrene		410.000		56.7	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Pyrene		510.000		56	110 ug/Kg
Q1010-01	TR-04-010325	Solid	Total PAH		2,770.000		893.8	1760 ug/Kg
Total Svoc :					5,758.20			
Total Concentration:					20,358.20			



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.: BF010625 SAS No.: BF010625 SDG NO.: BF010625

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 6 2025 12:00AM

Lab File ID: BF140974.D Time Analyzed: 13:28

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 PB165961BL	232658	6.83	927744	8.10	495156	9.86
02 PB165961BS	226250	6.83	889913	8.11	476125	9.86
03 SU-03-1-03-2025	267369	6.83	977250	8.11	435336	9.86
04 SU-03-1-03-2025MS	260013	6.83	924417	8.11	398032	9.86
05 SU-03-1-03-2025MSD	242867	6.83	860402	8.11	377155	9.86
06 TR-04-010325	219512	6.83	722699	8.11	327345	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.: BF010625 SAS No.: BF010625 SDG NO.: BF010625

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 6 2025 12:00AM

Lab File ID: BF141071.D Time Analyzed: 13:28

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	236467	6.828	917478	8.11	489138	9.86
UPPER LIMIT	472934	7.328	1834956	8.61	978276	10.363
LOWER LIMIT	118233.5	6.328	458739	7.61	244569	9.363
EPA SAMPLE NO.						
01 PB165961BL	232658	6.83	927744	8.10	495156	9.86
02 PB165961BS	226250	6.83	889913	8.11	476125	9.86
03 SU-03-1-03-2025	267369	6.83	977250	8.11	435336	9.86
04 SU-03-1-03-2025MS	260013	6.83	924417	8.11	398032	9.86
05 SU-03-1-03-2025MSD	242867	6.83	860402	8.11	377155	9.86
06 TR-04-010325	219512	6.83	722699	8.11	327345	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.: BF010625 SAS No.: BF010625 SDG NO.: BF010625

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 6 2025 12:00AM

Lab File ID: BF140974.D Time Analyzed: 13:28

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 PB165961BL	856445	11.34	571875	13.98	499031	15.44
02 PB165961BS	772941	11.35	464199	13.99	513292	15.45
03 SU-03-1-03-2025	631500	11.35	509014	13.99	391352	15.45
04 SU-03-1-03-2025MS	625013	11.35	441305	13.99	374424	15.45
05 SU-03-1-03-2025MSD	617908	11.35	384786	13.99	337152	15.45
06 TR-04-010325	544550	11.35	377518	13.99	312882	15.46

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.: BF010625 SAS No.: BF010625 SDG NO.: BF010625

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 6 2025 12:00AM

Lab File ID: BF141071.D Time Analyzed: 13:28

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	797257	11.345	473103	13.986	492512	15.445
UPPER LIMIT	1594514	11.845	946206	14.486	985024	15.945
LOWER LIMIT	398628.5	10.845	236551.5	13.486	246256	14.945
EPA SAMPLE NO.						
01 PB165961BL	856445	11.34	571875	13.98	499031	15.44
02 PB165961BS	772941	11.35	464199	13.99	513292	15.45
03 SU-03-1-03-2025	631500	11.35	509014	13.99	391352	15.45
04 SU-03-1-03-2025MS	625013	11.35	441305	13.99	374424	15.45
05 SU-03-1-03-2025MSD	617908	11.35	384786	13.99	337152	15.45
06 TR-04-010325	544550	11.35	377518	13.99	312882	15.46

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.: **BF010625**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB165961BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1500	ug/Kg	88				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	133	
	Aniline	1700	1500	ug/Kg	88				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1700	ug/Kg	100				57	101	
	Isophorone	1700	1600	ug/Kg	94				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				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	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	590	ug/Kg	35				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	6100	ug/Kg	185		*		45	165	
	2,4,6-Trichlorophenol	1700	1800	ug/Kg	106		*		59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1800	ug/Kg	106		*		66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	970	ug/Kg	57				28	100	
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104	
	Total PAH	27200	27800	ug/Kg	102				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF010625**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB165961BS	4-Nitrophenol	3300	3700	ug/Kg	112				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3700	ug/Kg	109		*		60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	2200	ug/Kg	129		*		76	113	
	N-Nitrosodiphenylamine	1700	1800	ug/Kg	106		*		71	99	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106		*		66	102	
	Hexachlorobenzene	1700	1800	ug/Kg	106		*		64	98	
	Atrazine	1700	2100	ug/Kg	124				47	152	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1800	ug/Kg	106		*		61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	1900	ug/Kg	58				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1700	ug/Kg	100				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	2100	ug/Kg	124		*		63	101	
	Dibenz(a,h)anthracene	1700	2000	ug/Kg	118		*		61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1400	ug/Kg	82				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165961BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010625

SAS No.: BF010625 SDG NO.: BF010625

Lab File ID: BF141072.D

Lab Sample ID: PB165961BL

Instrument ID: BNA_F

Date Extracted: 01/06/2025

Matrix: (soil/water) Solid

Date Analyzed: 01/06/2025

Level: (low/med) LOW

Time Analyzed: 13:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165961BS	PB165961BS	BF141073.D	01/06/2025
SU-03-1-03-2025	Q1009-01	BF141074.D	01/06/2025
SU-03-1-03-2025MS	Q1009-01MS	BF141075.D	01/06/2025
SU-03-1-03-2025MSD	Q1009-01MSD	BF141076.D	01/06/2025
TR-04-010325	Q1010-01	BF141077.D	01/06/2025

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010625

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1009-01MS		Client Sample ID: SU-03-1-03-2025MS		DataFile: BF141075.D							
n-Nitrosodimethylamine	1100		820	ug/Kg	75				66	124	
Pyridine	1100		740	ug/Kg	67				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			10	86	
Aniline	1100		810	ug/Kg	74				10	88	
Phenol	1100		860	ug/Kg	78				67	126	
bis(2-Chloroethyl)ether	1100		840	ug/Kg	76				54	125	
2-Chlorophenol	1100		880	ug/Kg	80				79	107	
1,2-Dichlorobenzene	1100		820	ug/Kg	75				61	105	
1,3-Dichlorobenzene	1100		810	ug/Kg	74				62	101	
1,4-Dichlorobenzene	1100		800	ug/Kg	73				63	104	
Benzyl Alcohol	1100		850	ug/Kg	77				47	126	
2-Methylphenol	1100		840	ug/Kg	76				66	122	
2,2-oxybis(1-Chloropropane)	1100		790	ug/Kg	72				65	110	
Acetophenone	1100		900	ug/Kg	82				75	111	
3+4-Methylphenols	1100		810	ug/Kg	74				66	104	
N-Nitroso-di-n-propylamine	1100		790	ug/Kg	72				59	119	
Hexachloroethane	1100		810	ug/Kg	74				65	117	
Nitrobenzene	1100		980	ug/Kg	89				70	119	
Isophorone	1100		910	ug/Kg	83				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		1100	ug/Kg	100				44	135	
bis(2-Chloroethoxy)methane	1100		870	ug/Kg	79				68	112	
2,4-Dichlorophenol	1100		890	ug/Kg	81				72	118	
1,2,4-Trichlorobenzene	1100		830	ug/Kg	75				57	103	
Benzoic acid	1100		960	ug/Kg	87				50	104	
Naphthalene	1100		840	ug/Kg	76				72	110	
4-Chloroaniline	1100		400	ug/Kg	36				10	91	
Hexachlorobutadiene	1100		880	ug/Kg	80				66	114	
Caprolactam	1100		920	ug/Kg	84				51	134	
4-Chloro-3-methylphenol	1100		810	ug/Kg	74				57	132	
2-Methylnaphthalene	1100		830	ug/Kg	75				59	123	
Hexachlorocyclopentadiene	2200		1100	ug/Kg	50				10	175	
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
2,4,5-Trichlorophenol	1100		970	ug/Kg	88				72	117	
1,1-Biphenyl	1100		970	ug/Kg	88				75	113	
2-Chloronaphthalene	1100		910	ug/Kg	83				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		950	ug/Kg	86				70	113	
Acenaphthylene	1100		940	ug/Kg	85				79	118	
2,6-Dinitrotoluene	1100		970	ug/Kg	88				70	125	
3-Nitroaniline	1100		730	ug/Kg	66				30	99	
Acenaphthene	1100		940	ug/Kg	85				70	121	
Total PAH	17600	1887.5	15980	ug/Kg	91				70	121	
2,4-Dinitrophenol	2200		1300	ug/Kg	59				10	155	
4-Nitrophenol	2200		2000	ug/Kg	91				45	133	
Dibenzofuran	1100		890	ug/Kg	81				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010625

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1970	ug/Kg	90				55	128	
Diethylphthalate	1100		890	ug/Kg	81				70	112	
4-Chlorophenyl-phenylether	1100		880	ug/Kg	80				71	108	
Fluorene	1100	0	870	ug/Kg	79				68	116	
4-Nitroaniline	1100		800	ug/Kg	73				55	120	
4,6-Dinitro-2-methylphenol	1100		730	ug/Kg	66				10	160	
N-Nitrosodiphenylamine	1100		970	ug/Kg	88				73	118	
Azobenzene	1100		910	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	1100		980	ug/Kg	89				65	121	
Hexachlorobenzene	1100		950	ug/Kg	86				67	118	
Atrazine	1100		1200	ug/Kg	109				79	127	
Pentachlorophenol	2200		2000	ug/Kg	91				47	128	
Phenanthrene	1100	320	1200	ug/Kg	80				52	128	
Anthracene	1100	87.6	1100	ug/Kg	92				62	124	
Carbazole	1100		950	ug/Kg	86				59	119	
Di-n-butylphthalate	1100		970	ug/Kg	88				69	118	
Fluoranthene	1100	310	1200	ug/Kg	81				44	125	
Benzydine	2200		1200	ug/Kg	55				10	119	
Pyrene	1100	330	1200	ug/Kg	79				26	142	
Butylbenzylphthalate	1100		1000	ug/Kg	91				64	126	
3,3-Dichlorobenzidine	1100		840	ug/Kg	76				33	116	
Benzo(a)anthracene	1100	180	1000	ug/Kg	75				71	114	
Chrysene	1100	170	1000	ug/Kg	75				57	121	
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91				42	169	
Di-n-octyl phthalate	1100		1100	ug/Kg	100				23	175	
Benzo(b)fluoranthene	1100	150	890	ug/Kg	67				67	121	
Benzo(k)fluoranthene	1100	58.6	900	ug/Kg	76				57	134	
Benzo(a)pyrene	1100	150	1100	ug/Kg	86				70	142	
Indeno(1,2,3-cd)pyrene	1100	60.3	970	ug/Kg	83				40	129	
Dibenz(a,h)anthracene	1100		960	ug/Kg	87				43	123	
Benzo(g,h,i)perylene	1100	71	870	ug/Kg	73				24	125	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		660	ug/Kg	60				46	112	
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86				69	112	
1-Methylnaphthalene	1100	0	770	ug/Kg	70				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010625

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1009-01MSD		Client Sample ID: SU-03-1-03-2025MSD					DataFile: BF141076.D				
n-Nitrosodimethylamine	1100		830	ug/Kg	75		0		66	124	20
Pyridine	1100		760	ug/Kg	69		3		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			10	86	20
Aniline	1100		810	ug/Kg	74		0		10	88	20
Phenol	1100		880	ug/Kg	80		3		67	126	20
bis(2-Chloroethyl)ether	1100		870	ug/Kg	79		4		54	125	20
2-Chlorophenol	1100		900	ug/Kg	82		2		79	107	20
1,2-Dichlorobenzene	1100		830	ug/Kg	75		0		61	105	20
1,3-Dichlorobenzene	1100		820	ug/Kg	75		1		62	101	20
1,4-Dichlorobenzene	1100		810	ug/Kg	74		1		63	104	20
Benzyl Alcohol	1100		870	ug/Kg	79		3		47	126	20
2-Methylphenol	1100		860	ug/Kg	78		3		66	122	20
2,2-oxybis(1-Chloropropane)	1100		810	ug/Kg	74		3		65	110	20
Acetophenone	1100		920	ug/Kg	84		2		75	111	20
3+4-Methylphenols	1100		820	ug/Kg	75		1		66	104	20
N-Nitroso-di-n-propylamine	1100		800	ug/Kg	73		1		59	119	20
Hexachloroethane	1100		790	ug/Kg	72		3		65	117	20
Nitrobenzene	1100		990	ug/Kg	90		1		70	119	20
Isophorone	1100		920	ug/Kg	84		1		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		0		44	135	20
bis(2-Chloroethoxy)methane	1100		880	ug/Kg	80		1		68	112	20
2,4-Dichlorophenol	1100		910	ug/Kg	83		2		72	118	20
1,2,4-Trichlorobenzene	1100		840	ug/Kg	76		1		57	103	20
Benzoic acid	1100		980	ug/Kg	89		2		50	104	20
Naphthalene	1100		860	ug/Kg	78		3		72	110	20
4-Chloroaniline	1100		440	ug/Kg	40		11		10	91	20
Hexachlorobutadiene	1100		880	ug/Kg	80		0		66	114	20
Caprolactam	1100		970	ug/Kg	88		5		51	134	20
4-Chloro-3-methylphenol	1100		820	ug/Kg	75		1		57	132	20
2-Methylnaphthalene	1100		840	ug/Kg	76		1		59	123	20
Hexachlorocyclopentadiene	2200		860	ug/Kg	39		25	*	10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		0		72	117	20
2,4,5-Trichlorophenol	1100		990	ug/Kg	90		2		72	117	20
1,1-Biphenyl	1100		980	ug/Kg	89		1		75	113	20
2-Chloronaphthalene	1100		910	ug/Kg	83		0		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		0		69	127	20
Dimethylphthalate	1100		960	ug/Kg	87		1		70	113	20
Acenaphthylene	1100		960	ug/Kg	87		2		79	118	20
2,6-Dinitrotoluene	1100		980	ug/Kg	89		1		70	125	20
3-Nitroaniline	1100		800	ug/Kg	73		10		30	99	20
Acenaphthene	1100		940	ug/Kg	85		0		70	121	20
Total PAH	17600	1887.5	16400	ug/Kg	93		2		70	121	20
2,4-Dinitrophenol	2200		990	ug/Kg	45		27	*	10	155	20
4-Nitrophenol	2200		2100	ug/Kg	95		4		45	133	20
Dibenzofuran	1100		910	ug/Kg	83		2		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF010625

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		9		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2080	ug/Kg	95		5		55	128	20
Diethylphthalate	1100		920	ug/Kg	84		4		70	112	20
4-Chlorophenyl-phenylether	1100		900	ug/Kg	82		2		71	108	20
Fluorene	1100	0	900	ug/Kg	82		4		68	116	20
4-Nitroaniline	1100		880	ug/Kg	80		9		55	120	20
4,6-Dinitro-2-methylphenol	1100		550	ug/Kg	50		28	*	10	160	20
N-Nitrosodiphenylamine	1100		950	ug/Kg	86		2		73	118	20
Azobenzene	1100		940	ug/Kg	85		2		73	110	20
4-Bromophenyl-phenylether	1100		980	ug/Kg	89		0		65	121	20
Hexachlorobenzene	1100		950	ug/Kg	86		0		67	118	20
Atrazine	1100		1200	ug/Kg	109		0		79	127	20
Pentachlorophenol	2200		2000	ug/Kg	91		0		47	128	20
Phenanthrene	1100	320	1200	ug/Kg	80		0		52	128	20
Anthracene	1100	87.6	1100	ug/Kg	92		0		62	124	20
Carbazole	1100		960	ug/Kg	87		1		59	119	20
Di-n-butylphthalate	1100		980	ug/Kg	89		1		69	118	20
Fluoranthene	1100	310	1100	ug/Kg	72		12		44	125	20
Benzidine	2200		1600	ug/Kg	73		28	*	10	119	20
Pyrene	1100	330	1300	ug/Kg	88		11		26	142	20
Butylbenzylphthalate	1100		1100	ug/Kg	100		9		64	126	20
3,3-Dichlorobenzidine	1100		950	ug/Kg	86		12		33	116	20
Benzo(a)anthracene	1100	180	1000	ug/Kg	75		0		71	114	20
Chrysene	1100	170	1100	ug/Kg	85		13		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100		9		42	169	20
Di-n-octyl phthalate	1100		1100	ug/Kg	100		0		23	175	20
Benzo(b)fluoranthene	1100	150	1100	ug/Kg	86		25	*	67	121	20
Benzo(k)fluoranthene	1100	58.6	970	ug/Kg	83		9		57	134	20
Benzo(a)pyrene	1100	150	1100	ug/Kg	86		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	60.3	980	ug/Kg	84		1		40	129	20
Dibenz(a,h)anthracene	1100		940	ug/Kg	85		2		43	123	20
Benzo(g,h,i)perylene	1100	71	850	ug/Kg	71		3		24	125	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		0		69	124	20
1,4-Dioxane	1100		680	ug/Kg	62		3		46	112	20
2,3,4,6-Tetrachlorophenol	1100		980	ug/Kg	89		3		69	112	20
1-Methylnaphthalene	1100	0	790	ug/Kg	72		3		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF010625**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165961BL	PB165961BL	BF141072.D	2-Fluorophenol	150	132.02	88		18	112
			Phenol-d6	150	129.06	86		15	107
			Nitrobenzene-d5	100	111.20	111	*	18	107
			2-Fluorobiphenyl	100	93.13	93		20	109
			2,4,6-Tribromophenol	150	156.22	104		10	116
			Terphenyl-d14	100	96.38	96		10	105
PB165961BS	PB165961BS	BF141073.D	2-Fluorophenol	150	130.50	87		18	112
			Phenol-d6	150	128.96	86		15	107
			Nitrobenzene-d5	100	111.96	112	*	18	107
			2-Fluorobiphenyl	100	94.13	94		20	109
			2,4,6-Tribromophenol	150	162.33	108		10	116
			Terphenyl-d14	100	103.01	103		10	105
Q1009-01	SU-03-1-03-2025	BF141074.D	2-Fluorophenol	150	91.34	61		18	112
			Phenol-d6	150	87.16	58		15	107
			Nitrobenzene-d5	100	80.34	80		18	107
			2-Fluorobiphenyl	100	68.70	69		20	109
			2,4,6-Tribromophenol	150	92.62	62		10	116
			Terphenyl-d14	100	57.00	57		10	105
Q1009-01MS	SU-03-1-03-2025MBF141075.D		2-Fluorophenol	150	84.83	57		18	112
			Phenol-d6	150	81.45	54		15	107
			Nitrobenzene-d5	100	73.38	73		18	107
			2-Fluorobiphenyl	100	64.91	65		20	109
			2,4,6-Tribromophenol	150	96.39	64		10	116
			Terphenyl-d14	100	61.58	62		10	105
Q1009-01MSD	SU-03-1-03-2025MBF141076.D		2-Fluorophenol	150	86.46	58		18	112
			Phenol-d6	150	83.37	56		15	107
			Nitrobenzene-d5	100	75.58	76		18	107
			2-Fluorobiphenyl	100	64.95	65		20	109
			2,4,6-Tribromophenol	150	102.58	68		10	116
			Terphenyl-d14	100	67.34	67		10	105
Q1010-01	TR-04-010325	BF141077.D	2-Fluorophenol	150	39.79	27		18	112
			Phenol-d6	150	36.29	24		15	107
			Nitrobenzene-d5	100	35.21	35		18	107
			2-Fluorobiphenyl	100	27.65	28		20	109
			2,4,6-Tribromophenol	150	39.76	27		10	116
			Terphenyl-d14	100	24.45	24		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF010625

Lab Code: CHEM

SAS No.: BF010625

SDG NO.: BF010625

Lab File ID: BF141070.D

DFTPP Injection Date: 01/06/2025

Instrument ID: BNA_F

DFTPP Injection Time: 12:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47
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	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	91.6
443	15.0 - 24.0% of mass 442	18 (19.7) 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	BF141071.D	01/06/2025	13:02
PB165961BL	PB165961BL	BF141072.D	01/06/2025	13:28
PB165961BS	PB165961BS	BF141073.D	01/06/2025	13:54
SU-03-1-03-2025	Q1009-01	BF141074.D	01/06/2025	14:26
SU-03-1-03-2025MS	Q1009-01MS	BF141075.D	01/06/2025	14:53
SU-03-1-03-2025MSD	Q1009-01MSD	BF141076.D	01/06/2025	15:19
TR-04-010325	Q1010-01	BF141077.D	01/06/2025	15:45