

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF012425 SAS No.: BF012425 SDG No.: BF012425

Instrument ID: BNA_F Calibration Date/Time: 1/24/2025 11:12

Lab File ID: BF141256.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	0.635		-8.104	
Pyridine	1.414	1.351		-4.455	
2-Fluorophenol	1.295	1.264		-2.394	
Benzaldehyde	0.966	0.933		-3.416	
Aniline	1.456	1.333		-8.448	
Phenol-d6	1.640	1.576		-3.902	
Phenol	1.756	1.664		-5.239	20.0
bis(2-Chloroethyl) ether	1.308	1.264		-3.364	
2-Chlorophenol	1.389	1.366		-1.656	
1,2-Dichlorobenzene	1.456	1.440		-1.099	
1,3-Dichlorobenzene	1.549	1.534		-0.968	
1,4-Dichlorobenzene	1.561	1.547		-0.897	20.0
Benzyl Alcohol	1.184	1.139		-3.801	
2-Methylphenol	1.121	1.087		-3.033	
2,2-oxybis(1-Chloropropane)	1.826	1.630		-10.734	
Acetophenone	0.475	0.455		-4.211	
3+4-Methylphenols	1.415	1.339		-5.371	
n-Nitroso-di-n-propylamine	0.966	0.885	0.050	-8.385	
Nitrobenzene-d5	0.377	0.363		-3.714	
Hexachloroethane	0.565	0.558		-1.239	
Nitrobenzene	0.393	0.378		-3.817	
Isophorone	0.645	0.610		-5.426	
2-Nitrophenol	0.179	0.186		3.911	20.0
2,4-Dimethylphenol	0.241	0.234		-2.905	
bis(2-Chloroethoxy) methane	0.405	0.386		-4.691	
2,4-Dichlorophenol	0.287	0.288		0.348	20.0
1,2,4-Trichlorobenzene	0.328	0.329		0.305	
Benzoic acid	0.231	0.233		0.866	
Naphthalene	1.055	1.025		-2.844	
4-Chloroaniline	0.365	0.332		-9.041	
Hexachlorobutadiene	0.197	0.200		1.523	20.0
Caprolactam	0.094	0.089		-5.319	
4-Chloro-3-methylphenol	0.313	0.306		-2.236	20.0
2-Methylnaphthalene	0.672	0.657		-2.232	
Hexachlorocyclopentadiene	0.188	0.191	0.050	1.596	
2,4,6-Trichlorophenol	0.387	0.384		-0.775	20.0
2-Fluorobiphenyl	1.310	1.263		-3.588	
2,4,5-Trichlorophenol	0.409	0.407		-0.489	
1,1-Biphenyl	1.553	1.514		-2.511	

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Lab File ID: BF141256.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	1.178		-2.645	
2-Nitroaniline	0.359	0.341		-5.014	
Dimethylphthalate	1.343	1.315		-2.085	
Acenaphthylene	1.728	1.674		-3.125	
2,6-Dinitrotoluene	0.312	0.313		0.321	
3-Nitroaniline	0.317	0.306		-3.47	
Acenaphthene	1.208	1.194		-1.159	20.0
2,4-Dinitrophenol	0.148	0.155	0.050	4.73	
4-Nitrophenol	0.248	0.248	0.050	0.0	
Dibenzofuran	1.642	1.600		-2.558	
2,4-Dinitrotoluene	0.402	0.413		2.736	
Diethylphthalate	1.311	1.299		-0.915	
4-Chlorophenyl-phenylether	0.622	0.617		-0.804	
Fluorene	1.276	1.233		-3.37	
4-Nitroaniline	0.311	0.310		-0.322	
4,6-Dinitro-2-methylphenol	0.116	0.133		14.655	
n-Nitrosodiphenylamine	0.645	0.646		0.155	20.0
Azobenzene	1.293	1.217		-5.878	
2,4,6-Tribromophenol	0.228	0.237		3.947	
4-Bromophenyl-phenylether	0.230	0.241		4.783	
Hexachlorobenzene	0.256	0.268		4.688	
Atrazine	0.174	0.161		-7.471	
Pentachlorophenol	0.164	0.174		6.098	20.0
Phenanthrene	1.074	1.071		-0.279	
Anthracene	1.044	1.054		0.958	
Carbazole	0.957	0.962		0.522	
Di-n-butylphthalate	1.096	1.167		6.478	
Fluoranthene	1.071	1.127		5.229	20.0
Benzidine	0.371	0.319		-14.016	
Pyrene	1.910	1.661		-13.037	
Terphenyl-d14	1.346	1.208		-10.253	
Butylbenzylphthalate	0.637	0.642		0.785	
3,3-Dichlorobenzidine	0.433	0.416		-3.926	
Benzo(a)anthracene	1.361	1.278		-6.098	
Chrysene	1.274	1.171		-8.085	
Bis(2-ethylhexyl)phthalate	0.764	0.851		11.387	
Di-n-octyl phthalate	1.154	1.403		21.577	20.0
Benzo(b)fluoranthene	1.290	1.224		-5.116	
Benzo(k)fluoranthene	1.090	1.114		2.202	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF012425 SAS No.: BF012425 SDG No.: BF012425

Instrument ID: BNA_F Calibration Date/Time: 1/24/2025 11:12

Lab File ID: BF141256.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	1.054		-0.94	20.0
Indeno(1,2,3-cd)pyrene	1.465	1.420		-3.072	
Dibenzo(a,h)anthracene	1.185	1.156		-2.447	
Benzo(g,h,i)perylene	1.233	1.197		-2.92	
1,2,4,5-Tetrachlorobenzene	0.574	0.574		0.0	
1,4-Dioxane	0.577	0.563		-2.426	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.332		-2.353	
1-Methylnaphthalene	0.662	0.641		-3.172	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/24/2025 12:00:00 AM
Project:		Date Received:	1/24/2025 12:00:00 AM
Client Sample ID:	PB166216BL	SDG No.:	BF012425
Lab Sample ID:	PB166216BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BF141257.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

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

Report of Analysis

Client:		Date Collected:	1/24/2025 12:00:00 AM
Project:		Date Received:	1/24/2025 12:00:00 AM
Client Sample ID:	PB166216BL	SDG No.:	BF012425
Lab Sample ID:	PB166216BL	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
BF141257.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	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	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	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	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	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	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/24/2025 12:00:00 AM
Project:		Date Received:	1/24/2025 12:00:00 AM
Client Sample ID:	PB166216BL	SDG No.:	BF012425
Lab Sample ID:	PB166216BL	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
BF141257.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	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	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120.199		18-112		80	SPK: -150
13127-88-3	Phenol-d6	118.165		15-107		79	SPK: -150
4165-60-0	Nitrobenzene-d5	82.575		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	85.353		20-109		85	SPK: -100

Report of Analysis

Client:		Date Collected:	1/24/2025 12:00:00 AM
Project:		Date Received:	1/24/2025 12:00:00 AM
Client Sample ID:	PB166216BL	SDG No.:	BF012425
Lab Sample ID:	PB166216BL	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
BF141257.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.201		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	73.568		10-105		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164607	6.804				
1146-65-2	Naphthalene-d8	655572	8.086				
15067-26-2	Acenaphthene-d10	350524	9.845				
1517-22-2	Phenanthrene-d10	596656	11.333				
1719-03-5	Chrysene-d12	475406	13.986				
1520-96-3	Perylene-d12	414180	15.48				



Client:				Date Collected:	1/24/2025 12:00:00 AM	
Project:				Date Received:	1/24/2025 12:00:00 AM	
Client Sample ID:	PB166216BS			SDG No.:	BF012425	
Lab Sample ID:	PB166216BS			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
BF141258.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

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	270	J	180	270	330	ug/Kg
62-53-3	Aniline	1400		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1700		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1700		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	1600		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.7	130	170	ug/Kg
78-59-1	Isophorone	1700		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		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	1700		240	270	330	ug/Kg
91-20-3	Naphthalene	1700		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	730		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1700		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/24/2025 12:00:00 AM
Project:		Date Received:	1/24/2025 12:00:00 AM
Client Sample ID:	PB166216BS	SDG No.:	BF012425
Lab Sample ID:	PB166216BS	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
BF141258.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1700		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1800		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	920		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1900		81	130	170	ug/Kg
Total PAH	Total PAH	28200		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3500		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		85.5	130	170	ug/Kg
86-73-7	Fluorene	1700		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1700		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	2300		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/24/2025 12:00:00 AM
Project:		Date Received:	1/24/2025 12:00:00 AM
Client Sample ID:	PB166216BS	SDG No.:	BF012425
Lab Sample ID:	PB166216BS	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
BF141258.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

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	1800		83.9	130	170	ug/Kg
120-12-7	Anthracene	1900		84.3	130	170	ug/Kg
86-74-8	Carbazole	1800		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1900		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1800		81.6	130	170	ug/Kg
92-87-5	Benzidine	1800		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.6	130	170	ug/Kg
218-01-9	Chrysene	1700		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		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		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1600		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.914		18-112		96	SPK: -150
13127-88-3	Phenol-d6	141.794		15-107		95	SPK: -150
4165-60-0	Nitrobenzene-d5	101.082		18-107		101	SPK: -100
321-60-8	2-Fluorobiphenyl	104.984		20-109		105	SPK: -100

Report of Analysis

Client:		Date Collected:	1/24/2025 12:00:00 AM
Project:		Date Received:	1/24/2025 12:00:00 AM
Client Sample ID:	PB166216BS	SDG No.:	BF012425
Lab Sample ID:	PB166216BS	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
BF141258.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	167.279		10-116		112	SPK: -150
1718-51-0	Terphenyl-d14	103.344		10-105		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148739	6.804				
1146-65-2	Naphthalene-d8	580292	8.086				
15067-26-2	Acenaphthene-d10	306712	9.845				
1517-22-2	Phenanthrene-d10	508622	11.333				
1719-03-5	Chrysene-d12	335015	13.98				
1520-96-3	Perylene-d12	352965	15.445				

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	REGULATOR-BUILDING-GRAVEL	SDG No.:	BF012425
Lab Sample ID:	Q1169-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141259.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.5	U	51.5	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.8	U	51.8	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.7	U	49.7	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	49.7	U	49.7	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.2	U	45.2	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	REGULATOR-BUILDING-GRAVEL	SDG No.:	BF012425
Lab Sample ID:	Q1169-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141259.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.4	U	46.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.4	U	49.4	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.3	U	44.3	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.8	U	51.8	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794	U	794	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.2	U	51.2	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	50.9	U	50.9	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	REGULATOR-BUILDING-GRAVEL	SDG No.:	BF012425
Lab Sample ID:	Q1169-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141259.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.3	U	50.3	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.7	U	49.7	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.6	U	47.6	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.5	U	54.5	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.7	U	55.7	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.497		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.85		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	57.224		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	60.348		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	REGULATOR-BUILDING-GRAVEL	SDG No.:	BF012425
Lab Sample ID:	Q1169-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141259.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.803		10-116		65	SPK: -150
1718-51-0	Terphenyl-d14	49.698		10-105		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143745	6.804				
1146-65-2	Naphthalene-d8	561027	8.087				
15067-26-2	Acenaphthene-d10	310487	9.839				
1517-22-2	Phenanthrene-d10	556409	11.328				
1719-03-5	Chrysene-d12	494908	13.974				
1520-96-3	Perylene-d12	439720	15.451				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	51.1	J			10.557	
000057-10-3	n-Hexadecanoic acid	150	J			11.863	
015594-90-8	1-Heneicosanol	91.9	J			13.827	



Client:			Date Collected:	1/23/2025 12:00:00 AM	
Project:			Date Received:	1/23/2025 12:00:00 AM	
Client Sample ID:	SPILL-SITE		SDG No.:	BF012425	
Lab Sample ID:	Q1169-05		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	10.3	
Sample Wt/Vol:	50.03	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
BF141260.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58	U	58	180	220	ug/Kg
110-86-1	Pyridine	53.4	U	53.4	86.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	64.8	U	64.8	86.9	110	ug/Kg
108-95-2	Phenol	55.4	U	55.4	86.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56	U	56	86.9	110	ug/Kg
95-57-8	2-Chlorophenol	55.8	U	55.8	86.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.6	U	56.6	86.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.5	U	57.5	86.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.8	U	57.8	86.9	110	ug/Kg
100-51-6	Benzyl Alcohol	55.5	U	55.5	180	220	ug/Kg
95-48-7	2-Methylphenol	53.9	U	53.9	86.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60.8	U	60.8	86.9	110	ug/Kg
98-86-2	Acetophenone	58.1	U	58.1	86.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.3	U	53.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.9	U	26.9	53.5	53.5	ug/Kg
67-72-1	Hexachloroethane	55.5	U	55.5	86.9	110	ug/Kg
98-95-3	Nitrobenzene	60.7	U	60.7	86.9	110	ug/Kg
78-59-1	Isophorone	56.6	U	56.6	86.9	110	ug/Kg
88-75-5	2-Nitrophenol	63.2	U	63.2	86.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.3	U	62.3	86.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.4	U	57.4	86.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.5	U	50.5	86.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.1	U	57.1	86.9	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.2	U	55.2	86.9	110	ug/Kg
106-47-8	4-Chloroaniline	55.2	U	55.2	86.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.7	U	55.7	86.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITE	SDG No.:	BF012425
Lab Sample ID:	Q1169-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
Sample Wt/Vol:	50.03	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
BF141260.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58	U	58	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.8	U	51.8	86.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	55.2	U	55.2	86.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.7	U	47.7	86.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49.5	U	49.5	86.9	110	ug/Kg
92-52-4	1,1-Biphenyl	58.4	U	58.4	86.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.7	U	55.7	86.9	110	ug/Kg
88-74-4	2-Nitroaniline	63.5	U	63.5	86.9	110	ug/Kg
131-11-3	Dimethylphthalate	54.6	U	54.6	86.9	110	ug/Kg
208-96-8	Acenaphthylene	57.8	U	57.8	86.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	55.6	U	55.6	86.9	110	ug/Kg
99-09-2	3-Nitroaniline	59.6	U	59.6	86.9	110	ug/Kg
83-32-9	Acenaphthene	54.2	U	54.2	86.9	110	ug/Kg
Total PAH	Total PAH	885.7	U	885.7	86.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.5	U	77.5	180	220	ug/Kg
132-64-9	Dibenzofuran	56.4	U	56.4	86.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.6	U	57.6	86.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.2	U	113.2	86.9	220	ug/Kg
84-66-2	Diethylphthalate	53.5	U	53.5	86.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.2	U	57.2	86.9	110	ug/Kg
86-73-7	Fluorene	57.2	U	57.2	86.9	110	ug/Kg
100-01-6	4-Nitroaniline	71.5	U	71.5	86.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.2	U	78.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	54.5	U	54.5	86.9	110	ug/Kg
103-33-3	Azobenzene	53.2	U	53.2	86.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.7	U	52.7	86.9	110	ug/Kg
118-74-1	Hexachlorobenzene	56.8	U	56.8	86.9	110	ug/Kg
1912-24-9	Atrazine	61.1	U	61.1	86.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITE	SDG No.:	BF012425
Lab Sample ID:	Q1169-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
Sample Wt/Vol:	50.03	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
BF141260.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51.7	U	51.7	180	220	ug/Kg
85-01-8	Phenanthrene	56.4	J	56.2	86.9	110	ug/Kg
120-12-7	Anthracene	56.4	U	56.4	86.9	110	ug/Kg
86-74-8	Carbazole	53.7	U	53.7	86.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.4	U	56.4	86.9	110	ug/Kg
206-44-0	Fluoranthene	130		54.6	86.9	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	88	J	55.5	86.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	64.7	U	64.7	86.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.9	U	65.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	64.8	J	53.9	86.9	110	ug/Kg
218-01-9	Chrysene	53.1	U	53.1	86.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	60.8	U	60.8	86.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	73.5	U	73.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	65.7	J	54.2	86.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.2	U	55.2	86.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.2	U	62.2	86.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52.2	U	52.2	86.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.3	U	54.3	86.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53.5	U	53.5	86.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58	U	58	86.9	110	ug/Kg
123-91-1	1,4-Dioxane	73.5	U	73.5	86.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.9	U	49.9	86.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	55.6	U	55.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.282		18-112		62	SPK: -150
13127-88-3	Phenol-d6	92.075		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	61.96		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	64.613		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITE	SDG No.:	BF012425
Lab Sample ID:	Q1169-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
Sample Wt/Vol:	50.03 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
BF141260.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	106.864		10-116		71	SPK: -150
1718-51-0	Terphenyl-d14	59.271		10-105		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134458	6.804				
1146-65-2	Naphthalene-d8	545604	8.087				
15067-26-2	Acenaphthene-d10	299306	9.839				
1517-22-2	Phenanthrene-d10	517862	11.328				
1719-03-5	Chrysene-d12	358799	13.974				
1520-96-3	Perylene-d12	366548	15.439				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown2.369	200	J			2.369	
000119-61-9	Benzophenone	100	J			10.557	
000057-10-3	n-Hexadecanoic acid	220	J			11.863	
000057-11-4	Octadecanoic acid	65.7	J			12.651	
000112-88-9	1-Octadecene	99.2	J			13.827	

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMS	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141261.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	990		58	180	220	ug/Kg
110-86-1	Pyridine	960		53.4	86.9	110	ug/Kg
100-52-7	Benzaldehyde	160	J	120	180	220	ug/Kg
62-53-3	Aniline	690		64.8	86.9	110	ug/Kg
108-95-2	Phenol	1000		55.4	86.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		55.9	86.9	110	ug/Kg
95-57-8	2-Chlorophenol	1100		55.8	86.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		56.5	86.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		57.5	86.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		57.8	86.9	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		55.5	180	220	ug/Kg
95-48-7	2-Methylphenol	1100		53.9	86.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		60.8	86.9	110	ug/Kg
98-86-2	Acetophenone	1000		58.1	86.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		53.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		26.9	53.5	53.5	ug/Kg
67-72-1	Hexachloroethane	1100		55.5	86.9	110	ug/Kg
98-95-3	Nitrobenzene	970		60.7	86.9	110	ug/Kg
78-59-1	Isophorone	1100		56.5	86.9	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.2	86.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		62.3	86.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		57.3	86.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		50.5	86.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57.1	86.9	110	ug/Kg
65-85-0	Benzoic acid	1100		160	180	220	ug/Kg
91-20-3	Naphthalene	1000		55.2	86.9	110	ug/Kg
106-47-8	4-Chloroaniline	370		55.2	86.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		55.7	86.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMS	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141261.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		58	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		51.8	86.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		55.1	86.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		47.7	86.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		49.5	86.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		58.4	86.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		55.7	86.9	110	ug/Kg
88-74-4	2-Nitroaniline	1100		63.5	86.9	110	ug/Kg
131-11-3	Dimethylphthalate	1100		54.6	86.9	110	ug/Kg
208-96-8	Acenaphthylene	1100		57.8	86.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		55.6	86.9	110	ug/Kg
99-09-2	3-Nitroaniline	630		59.6	86.9	110	ug/Kg
83-32-9	Acenaphthene	1200		54.2	86.9	110	ug/Kg
Total PAH	Total PAH	17270		885.5	86.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2300	E	77.5	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		56.4	86.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		113.2	86.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		57.6	86.9	110	ug/Kg
84-66-2	Diethylphthalate	1100		53.5	86.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		57.2	86.9	110	ug/Kg
86-73-7	Fluorene	1100		57.1	86.9	110	ug/Kg
100-01-6	4-Nitroaniline	1200		71.5	86.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		78.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		54.5	86.9	110	ug/Kg
103-33-3	Azobenzene	1100		53.2	86.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		52.7	86.9	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		56.8	86.9	110	ug/Kg
1912-24-9	Atrazine	1400		61.1	86.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMS	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141261.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	51.7	180	220	ug/Kg
85-01-8	Phenanthrene	1100		56.1	86.9	110	ug/Kg
120-12-7	Anthracene	1200		56.4	86.9	110	ug/Kg
86-74-8	Carbazole	1100		53.7	86.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		56.3	86.9	110	ug/Kg
206-44-0	Fluoranthene	1100		54.6	86.9	110	ug/Kg
92-87-5	Benzidine	1500		110	180	220	ug/Kg
129-00-0	Pyrene	1000		55.5	86.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		64.7	86.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	730		65.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		53.9	86.9	110	ug/Kg
218-01-9	Chrysene	1100		53.1	86.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		60.8	86.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		73.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		54.2	86.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		55.2	86.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		62.2	86.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.2	86.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		54.3	86.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		53.5	86.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		58	86.9	110	ug/Kg
123-91-1	1,4-Dioxane	920		73.5	86.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		49.9	86.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	1000		55.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.707		18-112		52	SPK: -150
13127-88-3	Phenol-d6	78.363		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	53.473		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	55.28		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMS	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141261.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	94.89		10-116		63	SPK: -150
1718-51-0	Terphenyl-d14	55.127		10-105		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	157139	6.804				
1146-65-2	Naphthalene-d8	636347	8.086				
15067-26-2	Acenaphthene-d10	353948	9.845				
1517-22-2	Phenanthrene-d10	620553	11.333				
1719-03-5	Chrysene-d12	368804	13.974				
1520-96-3	Perylene-d12	406379	15.439				

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMSD	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141262.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		58	180	220	ug/Kg
110-86-1	Pyridine	970		53.4	86.8	110	ug/Kg
100-52-7	Benzaldehyde	160	J	120	180	220	ug/Kg
62-53-3	Aniline	700		64.7	86.8	110	ug/Kg
108-95-2	Phenol	1000		55.4	86.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		55.9	86.8	110	ug/Kg
95-57-8	2-Chlorophenol	1100		55.8	86.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		56.5	86.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		57.4	86.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		57.8	86.8	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		55.4	180	220	ug/Kg
95-48-7	2-Methylphenol	1100		53.8	86.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		60.7	86.8	110	ug/Kg
98-86-2	Acetophenone	1000		58	86.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		53.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		26.9	53.4	53.4	ug/Kg
67-72-1	Hexachloroethane	1100		55.4	86.8	110	ug/Kg
98-95-3	Nitrobenzene	990		60.7	86.8	110	ug/Kg
78-59-1	Isophorone	1100		56.5	86.8	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.1	86.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		62.3	86.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		57.3	86.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		50.4	86.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		57	86.8	110	ug/Kg
65-85-0	Benzoic acid	1100		160	180	220	ug/Kg
91-20-3	Naphthalene	1000		55.2	86.8	110	ug/Kg
106-47-8	4-Chloroaniline	350		55.2	86.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		55.6	86.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMSD	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141262.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		58	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		51.8	86.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		55.1	86.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		47.7	86.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		49.4	86.8	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		58.4	86.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		55.6	86.8	110	ug/Kg
88-74-4	2-Nitroaniline	1100		63.5	86.8	110	ug/Kg
131-11-3	Dimethylphthalate	1100		54.6	86.8	110	ug/Kg
208-96-8	Acenaphthylene	1100		57.8	86.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		55.6	86.8	110	ug/Kg
99-09-2	3-Nitroaniline	600		59.6	86.8	110	ug/Kg
83-32-9	Acenaphthene	1200		54.2	86.8	110	ug/Kg
Total PAH	Total PAH	17480		885.2	86.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2600	E	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	2300	E	77.5	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		56.4	86.8	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		57.6	86.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		113.2	86.8	220	ug/Kg
84-66-2	Diethylphthalate	1100		53.5	86.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		57.2	86.8	110	ug/Kg
86-73-7	Fluorene	1100		57.1	86.8	110	ug/Kg
100-01-6	4-Nitroaniline	1100		71.5	86.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		78.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		54.5	86.8	110	ug/Kg
103-33-3	Azobenzene	1100		53.2	86.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		52.7	86.8	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		56.8	86.8	110	ug/Kg
1912-24-9	Atrazine	1500		61.1	86.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMSD	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141262.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2200	E	51.6	180	220	ug/Kg
85-01-8	Phenanthrene	1200		56.1	86.8	110	ug/Kg
120-12-7	Anthracene	1200		56.4	86.8	110	ug/Kg
86-74-8	Carbazole	1100		53.6	86.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		56.3	86.8	110	ug/Kg
206-44-0	Fluoranthene	1200		54.6	86.8	110	ug/Kg
92-87-5	Benzidine	1500		110	180	220	ug/Kg
129-00-0	Pyrene	940		55.4	86.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		64.7	86.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780		65.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		53.9	86.8	110	ug/Kg
218-01-9	Chrysene	1100		53.1	86.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		60.8	86.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		73.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		54.2	86.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		55.2	86.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		62.1	86.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.2	86.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		54.2	86.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	840		53.5	86.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		58	86.8	110	ug/Kg
123-91-1	1,4-Dioxane	940		73.5	86.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		49.9	86.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	1000		55.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.159		18-112		53	SPK: -150
13127-88-3	Phenol-d6	78.7		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	54.246		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	57.028		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITEMSD	SDG No.:	BF012425
Lab Sample ID:	Q1169-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
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
BF141262.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.55		10-116		60	SPK: -150
1718-51-0	Terphenyl-d14	49.234		10-105		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144006	6.804				
1146-65-2	Naphthalene-d8	571039	8.087				
15067-26-2	Acenaphthene-d10	308120	9.845				
1517-22-2	Phenanthrene-d10	493766	11.333				
1719-03-5	Chrysene-d12	341560	13.98				
1520-96-3	Perylene-d12	390286	15.445				

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	ARS20-0006	SDG No.:	BF012425
Lab Sample ID:	Q1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141263.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.3	U	57.3	180	220	ug/Kg
110-86-1	Pyridine	52.7	U	52.7	85.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.9	U	63.9	85.8	110	ug/Kg
108-95-2	Phenol	54.7	U	54.7	85.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.2	U	55.2	85.8	110	ug/Kg
95-57-8	2-Chlorophenol	55.1	U	55.1	85.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.8	U	55.8	85.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.7	U	56.7	85.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.1	U	57.1	85.8	110	ug/Kg
100-51-6	Benzyl Alcohol	54.8	U	54.8	180	220	ug/Kg
95-48-7	2-Methylphenol	53.2	U	53.2	85.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60	U	60	85.8	110	ug/Kg
98-86-2	Acetophenone	57.3	U	57.3	85.8	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	26.6	U	26.6	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	54.8	U	54.8	85.8	110	ug/Kg
98-95-3	Nitrobenzene	59.9	U	59.9	85.8	110	ug/Kg
78-59-1	Isophorone	55.8	U	55.8	85.8	110	ug/Kg
88-75-5	2-Nitrophenol	62.3	U	62.3	85.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.5	U	61.5	85.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.6	U	56.6	85.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.8	U	49.8	85.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.3	U	56.3	85.8	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.5	U	54.5	85.8	110	ug/Kg
106-47-8	4-Chloroaniline	54.5	U	54.5	85.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	55	U	55	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	ARS20-0006	SDG No.:	BF012425
Lab Sample ID:	Q1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141263.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.3	U	57.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.1	U	51.1	85.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.4	U	54.4	85.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.1	U	47.1	85.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.8	U	48.8	85.8	110	ug/Kg
92-52-4	1,1-Biphenyl	57.7	U	57.7	85.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	55	U	55	85.8	110	ug/Kg
88-74-4	2-Nitroaniline	62.7	U	62.7	85.8	110	ug/Kg
131-11-3	Dimethylphthalate	53.9	U	53.9	85.8	110	ug/Kg
208-96-8	Acenaphthylene	57.1	U	57.1	85.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.9	U	54.9	85.8	110	ug/Kg
99-09-2	3-Nitroaniline	58.8	U	58.8	85.8	110	ug/Kg
83-32-9	Acenaphthene	53.5	U	53.5	85.8	110	ug/Kg
Total PAH	Total PAH	874.2	U	874.2	85.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.5	U	76.5	180	220	ug/Kg
132-64-9	Dibenzofuran	55.7	U	55.7	85.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11.8	U	111.8	85.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.9	U	56.9	85.8	110	ug/Kg
84-66-2	Diethylphthalate	52.8	U	52.8	85.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.5	U	56.5	85.8	110	ug/Kg
86-73-7	Fluorene	56.4	U	56.4	85.8	110	ug/Kg
100-01-6	4-Nitroaniline	70.6	U	70.6	85.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.2	U	77.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.8	U	53.8	85.8	110	ug/Kg
103-33-3	Azobenzene	52.5	U	52.5	85.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.1	U	52.1	85.8	110	ug/Kg
118-74-1	Hexachlorobenzene	56.1	U	56.1	85.8	110	ug/Kg
1912-24-9	Atrazine	60.3	U	60.3	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	ARS20-0006	SDG No.:	BF012425
Lab Sample ID:	Q1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141263.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51	U	51	180	220	ug/Kg
85-01-8	Phenanthrene	55.4	U	55.4	85.8	110	ug/Kg
120-12-7	Anthracene	55.7	U	55.7	85.8	110	ug/Kg
86-74-8	Carbazole	53	U	53	85.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.6	U	55.6	85.8	110	ug/Kg
206-44-0	Fluoranthene	120		53.9	85.8	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	91.9	J	54.8	85.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.9	U	63.9	85.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.1	U	65.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	71.2	J	53.2	85.8	110	ug/Kg
218-01-9	Chrysene	78.9	J	52.4	85.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190		60	85.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.6	U	72.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	110		53.5	85.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	54.5	U	54.5	85.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	87.9	J	61.4	85.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.5	U	51.5	85.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53.6	U	53.6	85.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	52.8	U	52.8	85.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.3	U	57.3	85.8	110	ug/Kg
123-91-1	1,4-Dioxane	72.6	U	72.6	85.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.3	U	49.3	85.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.9	U	54.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	47.928		18-112		32	SPK: -150
13127-88-3	Phenol-d6	81.277		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	57.457		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	64.181		20-109		64	SPK: -100

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	ARS20-0006	SDG No.:	BF012425
Lab Sample ID:	Q1169-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141263.D	1	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.956		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	44.789		10-105		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	145475	6.804				
1146-65-2	Naphthalene-d8	584269	8.087				
15067-26-2	Acenaphthene-d10	281409	9.845				
1517-22-2	Phenanthrene-d10	364452	11.339				
1719-03-5	Chrysene-d12	343494	13.98				
1520-96-3	Perylene-d12	308493	15.445				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown9.551	95.4	J			9.551	
000112-53-8	1-Dodecanol	92.4	J			9.651	
062376-17-4	Cyclohexane, 1,2-dimethyl-3-pentyl	120	J			9.71	
	unknown9.757	150	J			9.757	
	unknown10.175	330	J			10.175	
	unknown10.251	170	J			10.251	
000112-79-8	9-Octadecenoic acid, (E)-	10300	J			12.651	
000057-11-4	Octadecanoic acid	1000	J			12.704	

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	OR-03-01232025	SDG No.:	BF012425
Lab Sample ID:	Q1170-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF141264.D	2	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	360	440	ug/Kg
110-86-1	Pyridine	110	U	110	170	230	ug/Kg
100-52-7	Benzaldehyde	240	U	240	360	440	ug/Kg
62-53-3	Aniline	130	U	130	170	230	ug/Kg
108-95-2	Phenol	110	U	110	170	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	170	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	440	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	230	ug/Kg
98-86-2	Acetophenone	120	U	120	170	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.6	U	53.6	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	230	ug/Kg
78-59-1	Isophorone	110	U	110	170	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	230	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	360	440	ug/Kg
91-20-3	Naphthalene	510		110	170	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	OR-03-01232025	SDG No.:	BF012425
Lab Sample ID:	Q1170-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF141264.D	2	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	360	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	230	ug/Kg
91-57-6	2-Methylnaphthalene	360		110	170	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	95	U	95	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.5	U	98.5	170	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	170	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	230	ug/Kg
83-32-9	Acenaphthene	560		110	170	230	ug/Kg
Total PAH	Total PAH	13380		1770	170	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	360	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	440	ug/Kg
132-64-9	Dibenzofuran	400		110	170	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	230	ug/Kg
86-73-7	Fluorene	610		110	170	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	360	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	230	ug/Kg
103-33-3	Azobenzene	110	U	110	170	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	230	ug/Kg
1912-24-9	Atrazine	120	U	120	170	230	ug/Kg

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	OR-03-01232025	SDG No.:	BF012425
Lab Sample ID:	Q1170-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF141264.D	2	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	360	440	ug/Kg
85-01-8	Phenanthrene	3500		110	170	230	ug/Kg
120-12-7	Anthracene	780		110	170	230	ug/Kg
86-74-8	Carbazole	430		110	170	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	230	ug/Kg
206-44-0	Fluoranthene	2700		110	170	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	1500		110	170	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	780		110	170	230	ug/Kg
218-01-9	Chrysene	680		110	170	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	590		110	170	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	280		110	170	230	ug/Kg
50-32-8	Benzo(a)pyrene	530		120	170	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	J	100	170	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	J	110	170	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.4	U	99.4	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	320		110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.01		18-112		49	SPK: -150
13127-88-3	Phenol-d6	72.652		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	50.62		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	55.912		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	OR-03-01232025	SDG No.:	BF012425
Lab Sample ID:	Q1170-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
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
BF141264.D	2	1/24/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166216

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67.638		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	43.31		10-105		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	156273	6.804				
1146-65-2	Naphthalene-d8	593216	8.087				
15067-26-2	Acenaphthene-d10	289375	9.839				
1517-22-2	Phenanthrene-d10	418406	11.333				
1719-03-5	Chrysene-d12	344925	13.98				
1520-96-3	Perylene-d12	254791	15.457				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-92-5	Nonadecane	220	J			9.245	
000575-37-1	Naphthalene, 1,7-dimethyl-	170	J			9.428	
000581-40-8	Naphthalene, 2,3-dimethyl-	230	J			9.498	
000582-16-1	Naphthalene, 2,7-dimethyl-	94.5	J			9.528	
000571-61-9	Naphthalene, 1,5-dimethyl-	130	J			9.622	
1000309-20-2	Sulfurous acid, 2-ethylhexyl hexyl	110	J			9.775	
000112-40-3	Dodecane	150	J			10.275	
007320-53-8	Dibenzofuran, 4-methyl-	170	J			10.551	
000112-39-0	Hexadecanoic acid, methyl ester	170	J			11.727	
002531-84-2	Phenanthrene, 2-methyl-	170	J			11.863	
000203-64-5	4H-Cyclopenta[def]phenanthrene	180	J			11.945	
002566-97-4	9,12-Octadecadienoic acid, methyl	330	J			12.416	
033543-31-6	Fluoranthene, 2-methyl-	150	J			12.992	
000243-17-4	11H-Benzo[b]fluorene	160	J			13.104	
002381-21-7	Pyrene, 1-methyl-	98.5	J			13.169	
003353-12-6	Pyrene, 4-methyl-	100	J			13.204	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	95.8	J			13.722	

Hit Summary Sheet SW-846

SDG No.: BF012425

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ARS20-0006								
Q1169-01	ARS20-0006	Solid	1-Dodecanol	*	92.400	J		
Q1169-01	ARS20-0006	Solid	9-Octadecenoic acid, (E)-	*	10,300.000	J		
Q1169-01	ARS20-0006	Solid	Cyclohexane, 1,2-dimethyl-3-pent	*	120.000	J		
Q1169-01	ARS20-0006	Solid	Octadecanoic acid	*	1,000.000	J		
Q1169-01	ARS20-0006	Solid	unknown10.175	*	330.000	J		
Q1169-01	ARS20-0006	Solid	unknown10.251	*	170.000	J		
Q1169-01	ARS20-0006	Solid	unknown9.551	*	95.400	J		
Q1169-01	ARS20-0006	Solid	unknown9.757	*	150.000	J		
Total Tics :				12,257.80				
Q1169-01	ARS20-0006	Solid	Benzo(a)anthracene		71.200	J	53.2	110 ug/Kg
Q1169-01	ARS20-0006	Solid	Benzo(a)pyrene		87.900	J	61.4	110 ug/Kg
Q1169-01	ARS20-0006	Solid	Benzo(b)fluoranthene		110.000		53.5	110 ug/Kg
Q1169-01	ARS20-0006	Solid	Bis(2-ethylhexyl)phthalate		190.000		60	110 ug/Kg
Q1169-01	ARS20-0006	Solid	Chrysene		78.900	J	52.4	110 ug/Kg
Q1169-01	ARS20-0006	Solid	Fluoranthene		120.000		53.9	110 ug/Kg
Q1169-01	ARS20-0006	Solid	Pyrene		91.900	J	54.8	110 ug/Kg
Total Svoc :				749.90				
Total Concentration:				13,007.70				
Client ID : REGULATOR-BUILDING-GRAVEL								
Q1169-03	REGULATOR-BUILDIN	Solid	1-Heneicosanol	*	91.900	J		
Q1169-03	REGULATOR-BUILDIN	Solid	Benzophenone	*	51.100	J		
Q1169-03	REGULATOR-BUILDIN	Solid	n-Hexadecanoic acid	*	150.000	J		
Total Tics :				293.00				
Total Concentration:				293.00				
Client ID : SPILL-SITE								
Q1169-05	SPILL-SITE	Solid	1-Octadecene	*	99.200	J		
Q1169-05	SPILL-SITE	Solid	Benzophenone	*	100.000	J		
Q1169-05	SPILL-SITE	Solid	n-Hexadecanoic acid	*	220.000	J		
Q1169-05	SPILL-SITE	Solid	Octadecanoic acid	*	65.700	J		
Q1169-05	SPILL-SITE	Solid	unknown2.369	*	200.000	J		
Total Tics :				684.90				
Q1169-05	SPILL-SITE	Solid	Benzo(a)anthracene		64.800	J	53.9	110 ug/Kg
Q1169-05	SPILL-SITE	Solid	Benzo(b)fluoranthene		65.700	J	54.2	110 ug/Kg
Q1169-05	SPILL-SITE	Solid	Fluoranthene		130.000		54.6	110 ug/Kg
Q1169-05	SPILL-SITE	Solid	Phenanthrene		56.400	J	56.2	110 ug/Kg
Q1169-05	SPILL-SITE	Solid	Pyrene		88.000	J	55.5	110 ug/Kg
Total Svoc :				404.90				

Hit Summary Sheet SW-846

SDG No.: BF012425

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				1,089.80				
Client ID : OR-03-01232025								
Q1170-01	OR-03-01232025	Solid	11H-Benzo[b]fluorene	*	160.000	J		
Q1170-01	OR-03-01232025	Solid	4H-Cyclopenta[def]phenanthrene	*	180.000	J		
Q1170-01	OR-03-01232025	Solid	9,12-Octadecadienoic acid, methy	*	330.000	J		
Q1170-01	OR-03-01232025	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	95.800	J		
Q1170-01	OR-03-01232025	Solid	Dibenzofuran, 4-methyl-	*	170.000	J		
Q1170-01	OR-03-01232025	Solid	Dodecane	*	150.000	J		
Q1170-01	OR-03-01232025	Solid	Fluoranthene, 2-methyl-	*	150.000	J		
Q1170-01	OR-03-01232025	Solid	Hexadecanoic acid, methyl ester	*	170.000	J		
Q1170-01	OR-03-01232025	Solid	Naphthalene, 1,5-dimethyl-	*	130.000	J		
Q1170-01	OR-03-01232025	Solid	Naphthalene, 1,7-dimethyl-	*	170.000	J		
Q1170-01	OR-03-01232025	Solid	Naphthalene, 2,3-dimethyl-	*	230.000	J		
Q1170-01	OR-03-01232025	Solid	Naphthalene, 2,7-dimethyl-	*	94.500	J		
Q1170-01	OR-03-01232025	Solid	Nonadecane	*	220.000	J		
Q1170-01	OR-03-01232025	Solid	Phenanthrene, 2-methyl-	*	170.000	J		
Q1170-01	OR-03-01232025	Solid	Pyrene, 1-methyl-	*	98.500	J		
Q1170-01	OR-03-01232025	Solid	Pyrene, 4-methyl-	*	100.000	J		
Q1170-01	OR-03-01232025	Solid	Sulfurous acid, 2-ethylhexyl hexyl	*	110.000	J		
Total Tics :				2,728.80				
Q1170-01	OR-03-01232025	Solid	1-Methylnaphthalene		320.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	2-Methylnaphthalene		360.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Acenaphthene		560.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Anthracene		780.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Benzo(a)anthracene		780.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Benzo(a)pyrene		530.000		120	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Benzo(b)fluoranthene		590.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Benzo(g,h,i)perylene		190.000	J	110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Benzo(k)fluoranthene		280.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Carbazole		430.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Chrysene		680.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Dibenzofuran		400.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Fluoranthene		2,700.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Fluorene		610.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Indeno(1,2,3-cd)pyrene		170.000	J	100	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Naphthalene		510.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Phenanthrene		3,500.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Pyrene		1,500.000		110	230 ug/Kg
Q1170-01	OR-03-01232025	Solid	Total PAH		13,380.000		1770	3680 ug/Kg
Total Svoc :				28,270.00				



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

Hit Summary Sheet
SW-846

SDG No.: BF012425

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				30,998.80				



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.: BF012425 SAS No.: BF012425 SDG NO.: BF012425

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 12:43

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 PB166216BL	164607	6.80	655572	8.09	350524	9.85
02 PB166216BS	148739	6.80	580292	8.09	306712	9.85
03 REGULATOR-BUILDING-GRAVEL	143745	6.80	561027	8.09	310487	9.84
04 SPILL-SITE	134458	6.80	545604	8.09	299306	9.84
05 SPILL-SITEMS	157139	6.80	636347	8.09	353948	9.85
06 SPILL-SITEMSD	144006	6.80	571039	8.09	308120	9.85
07 ARS20-0006	145475	6.80	584269	8.09	281409	9.85
08 OR-03-01232025	156273	6.80	593216	8.09	289375	9.84

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.: BF012425 SAS No.: BF012425 SDG NO.: BF012425

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BF141256.D Time Analyzed: 12:43

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	164483	6.804	633508	8.09	335671	9.85
UPPER LIMIT	328966	7.304	1267016	8.586	671342	10.345
LOWER LIMIT	82241.5	6.304	316754	7.586	167835.5	9.345
EPA SAMPLE NO.						
01 PB166216BL	164607	6.80	655572	8.09	350524	9.85
02 PB166216BS	148739	6.80	580292	8.09	306712	9.85
03 REGULATOR-BUILDING-GRAVEL	143745	6.80	561027	8.09	310487	9.84
04 SPILL-SITE	134458	6.80	545604	8.09	299306	9.84
05 SPILL-SITEMS	157139	6.80	636347	8.09	353948	9.85
06 SPILL-SITEMSD	144006	6.80	571039	8.09	308120	9.85
07 ARS20-0006	145475	6.80	584269	8.09	281409	9.85
08 OR-03-01232025	156273	6.80	593216	8.09	289375	9.84

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.: BF012425 SAS No.: BF012425 SDG NO.: BF012425

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 12:43

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 PB166216BL	596656	11.33	475406	13.99	414180	15.48
02 PB166216BS	508622	11.33	335015	13.98	352965	15.45
03 REGULATOR-BUILDING-GRAVEL	556409	11.33	494908	13.97	439720	15.45
04 SPILL-SITE	517862	11.33	358799	13.97	366548	15.44
05 SPILL-SITEMS	620553	11.33	368804	13.97	406379	15.44
06 SPILL-SITEMSD	493766	11.33	341560	13.98	390286	15.45
07 ARS20-0006	364452	11.34	343494	13.98	308493	15.45
08 OR-03-01232025	418406	11.33	344925	13.98	254791	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.: BF012425 SAS No.: BF012425 SDG NO.: BF012425

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BF141256.D Time Analyzed: 12:43

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	558085	11.333	380590	13.98	392781	15.445
UPPER LIMIT	1116170	11.833	761180	14.48	785562	15.945
LOWER LIMIT	279042.5	10.833	190295	13.48	196390.5	14.945
EPA SAMPLE NO.						
01 PB166216BL	596656	11.33	475406	13.99	414180	15.48
02 PB166216BS	508622	11.33	335015	13.98	352965	15.45
03 REGULATOR-BUILDING-GRAVEL	556409	11.33	494908	13.97	439720	15.45
04 SPILL-SITE	517862	11.33	358799	13.97	366548	15.44
05 SPILL-SITEMS	620553	11.33	368804	13.97	406379	15.44
06 SPILL-SITEMSD	493766	11.33	341560	13.98	390286	15.45
07 ARS20-0006	364452	11.34	343494	13.98	308493	15.45
08 OR-03-01232025	418406	11.33	344925	13.98	254791	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.: **BF012425**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166216BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1500	ug/Kg	88				28	98	
	Benzaldehyde	1700	270	ug/Kg	16				10	133	
	Aniline	1700	1400	ug/Kg	82				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1700	ug/Kg	100				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				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	1700	ug/Kg	100		*		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	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				46	141	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100		*		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	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1700	ug/Kg	100				62	100	
	4-Chloroaniline	1700	730	ug/Kg	43				16	100	
	Hexachlorobutadiene	1700	1700	ug/Kg	100		*		53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1700	ug/Kg	100				60	104	
	Hexachlorocyclopentadiene	3300	6600	ug/Kg	200		*		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	1700	ug/Kg	100				57	103	
	2-Chloronaphthalene	1700	1700	ug/Kg	100		*		58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1800	ug/Kg	106		*		63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	920	ug/Kg	54				28	100	
	Acenaphthene	1700	1900	ug/Kg	112		*		57	104	
	Total PAH	27200	28200	ug/Kg	104				57	104	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF012425**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166216BS	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1700	ug/Kg	100		*		63	99	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotolc	3400	3500	ug/Kg	103				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1700	ug/Kg	100		*		58	98	
	Fluorene	1700	1700	ug/Kg	100				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	1800	ug/Kg	106		*		71	99	
	Azobenzene	1700	1700	ug/Kg	100				54	103	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106		*		66	102	
	Hexachlorobenzene	1700	1800	ug/Kg	106		*		64	98	
	Atrazine	1700	2300	ug/Kg	135				47	152	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		67	105	
	Phenanthrene	1700	1800	ug/Kg	106		*		59	103	
	Anthracene	1700	1900	ug/Kg	112		*		61	105	
	Carbazole	1700	1800	ug/Kg	106		*		61	99	
	Di-n-butylphthalate	1700	1900	ug/Kg	112		*		58	104	
	Fluoranthene	1700	1800	ug/Kg	106				57	107	
	Benzidine	3300	1800	ug/Kg	55				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1700	ug/Kg	100				59	101	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118				54	135	
	Di-n-octyl phthalate	1700	2300	ug/Kg	135				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106		*		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	1600	ug/Kg	94				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166216BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF012425

SAS No.: BF012425 SDG NO.: BF012425

Lab File ID: BF141257.D

Lab Sample ID: PB166216BL

Instrument ID: BNA_F

Date Extracted: 01/24/2025

Matrix: (soil/water) Solid

Date Analyzed: 01/24/2025

Level: (low/med) LOW

Time Analyzed: 12:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166216BS	PB166216BS	BF141258.D	01/24/2025
REGULATOR-BUILDING-GRAVEL	Q1169-03	BF141259.D	01/24/2025
SPILL-SITE	Q1169-05	BF141260.D	01/24/2025
SPILL-SITEMS	Q1169-05MS	BF141261.D	01/24/2025
SPILL-SITEMSD	Q1169-05MSD	BF141262.D	01/24/2025
ARS20-0006	Q1169-01	BF141263.D	01/24/2025
OR-03-01232025	Q1170-01	BF141264.D	01/24/2025

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012425

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1169-05MS	Client Sample ID:	SPILL-SITEMS					DataFile:	BF141261.D		
n-Nitrosodimethylamine	1100		990	ug/Kg	90				66	124	
Pyridine	1100		960	ug/Kg	87				45	119	
Benzaldehyde	1100		160	ug/Kg	15				10	86	
Aniline	1100		690	ug/Kg	63				10	88	
Phenol	1100		1000	ug/Kg	91				67	126	
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91				54	125	
2-Chlorophenol	1100		1100	ug/Kg	100				79	107	
1,2-Dichlorobenzene	1100		1100	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		1100	ug/Kg	100				47	126	
2-Methylphenol	1100		1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91				65	110	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		1000	ug/Kg	91				66	104	
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91				59	119	
Hexachloroethane	1100		1100	ug/Kg	100				65	117	
Nitrobenzene	1100		970	ug/Kg	88				70	119	
Isophorone	1100		1100	ug/Kg	100				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		1300	ug/Kg	118				44	135	
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		1100	ug/Kg	100				50	104	
Naphthalene	1100		1000	ug/Kg	91				72	110	
4-Chloroaniline	1100		370	ug/Kg	34				10	91	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		1100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100		1100	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2200		3600	ug/Kg	164				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		1100	ug/Kg	100				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		1100	ug/Kg	100				70	125	
3-Nitroaniline	1100		630	ug/Kg	57				30	99	
Acenaphthene	1100		1200	ug/Kg	109				70	121	
Total PAH	17600	0	17270	ug/Kg	98				70	121	
2,4-Dinitrophenol	2200		2800	ug/Kg	127				10	155	
4-Nitrophenol	2200		2300	ug/Kg	105				45	133	
Dibenzofuran	1100		1100	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012425

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1200	ug/Kg	109				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2300	ug/Kg	105				55	128	
Diethylphthalate	1100		1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100				71	108	
Fluorene	1100		1100	ug/Kg	100				68	116	
4-Nitroaniline	1100		1200	ug/Kg	109				55	120	
4,6-Dinitro-2-methylphenol	1100		1400	ug/Kg	127				10	160	
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100				73	118	
Azobenzene	1100		1100	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1400	ug/Kg	127				79	127	
Pentachlorophenol	2200		2100	ug/Kg	95				47	128	
Phenanthrene	1100	56.4	1100	ug/Kg	95				52	128	
Anthracene	1100		1200	ug/Kg	109				62	124	
Carbazole	1100		1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100		1200	ug/Kg	109				69	118	
Fluoranthene	1100	130	1100	ug/Kg	88				44	125	
Benzydine	2200		1500	ug/Kg	68				10	119	
Pyrene	1100	88	1000	ug/Kg	83				26	142	
Butylbenzylphthalate	1100		1200	ug/Kg	109				64	126	
3,3-Dichlorobenzidine	1100		730	ug/Kg	66				33	116	
Benzo(a)anthracene	1100	64.8	1100	ug/Kg	94				71	114	
Chrysene	1100	0	1100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1100		1200	ug/Kg	109				42	169	
Di-n-octyl phthalate	1100		1300	ug/Kg	118				23	175	
Benzo(b)fluoranthene	1100	65.7	1100	ug/Kg	94				67	121	
Benzo(k)fluoranthene	1100		1100	ug/Kg	100				57	134	
Benzo(a)pyrene	1100	0	1200	ug/Kg	109				70	142	
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91				40	129	
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91				43	123	
Benzo(g,h,i)perylene	1100		870	ug/Kg	79				24	125	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		920	ug/Kg	84				46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				69	112	
1-Methylnaphthalene	1100		1000	ug/Kg	91				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012425

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1169-05MSD	Client Sample ID:	SPILL-SITEMSD					DataFile:	BF141262.D		
n-Nitrosodimethylamine	1100		1000	ug/Kg	91		1		66	124	20
Pyridine	1100		970	ug/Kg	88		1		45	119	20
Benzaldehyde	1100		160	ug/Kg	15		0		10	86	20
Aniline	1100		700	ug/Kg	64		2		10	88	20
Phenol	1100		1000	ug/Kg	91		0		67	126	20
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100		9		54	125	20
2-Chlorophenol	1100		1100	ug/Kg	100		0		79	107	20
1,2-Dichlorobenzene	1100		1100	ug/Kg	100		0		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		0		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		0		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		0		47	126	20
2-Methylphenol	1100		1100	ug/Kg	100		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		0		65	110	20
Acetophenone	1100		1000	ug/Kg	91		0		75	111	20
3+4-Methylphenols	1100		1000	ug/Kg	91		0		66	104	20
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91		0		59	119	20
Hexachloroethane	1100		1100	ug/Kg	100		0		65	117	20
Nitrobenzene	1100		990	ug/Kg	90		2		70	119	20
Isophorone	1100		1100	ug/Kg	100		0		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1100		1300	ug/Kg	118		0		44	135	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		0		57	103	20
Benzoic acid	1100		1100	ug/Kg	100		0		50	104	20
Naphthalene	1100		1000	ug/Kg	91		0		72	110	20
4-Chloroaniline	1100		350	ug/Kg	32		6		10	91	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		9		66	114	20
Caprolactam	1100		1100	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1100		1100	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	2200		3600	ug/Kg	164		0		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		9		75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91		0		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		0		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		0		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100		600	ug/Kg	55		4		30	99	20
Acenaphthene	1100		1200	ug/Kg	109		0		70	121	20
Total PAH	17600	0	17480	ug/Kg	99		1		70	121	20
2,4-Dinitrophenol	2200		2600	ug/Kg	118		7		10	155	20
4-Nitrophenol	2200		2300	ug/Kg	105		0		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012425

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		2200	ug/Kg	100		5		55	128	20
Diethylphthalate	1100		1100	ug/Kg	100		0		70	112	20
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100		0		71	108	20
Fluorene	1100		1100	ug/Kg	100		0		68	116	20
4-Nitroaniline	1100		1100	ug/Kg	100		9		55	120	20
4,6-Dinitro-2-methylphenol	1100		1400	ug/Kg	127		0		10	160	20
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109		9		73	118	20
Azobenzene	1100		1100	ug/Kg	100		0		73	110	20
4-Bromophenyl-phenylether	1100		1200	ug/Kg	109		9		65	121	20
Hexachlorobenzene	1100		1200	ug/Kg	109		9		67	118	20
Atrazine	1100		1500	ug/Kg	136	*	7		79	127	20
Pentachlorophenol	2200		2200	ug/Kg	100		5		47	128	20
Phenanthrene	1100	56.4	1200	ug/Kg	104		9		52	128	20
Anthracene	1100		1200	ug/Kg	109		0		62	124	20
Carbazole	1100		1100	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1100		1200	ug/Kg	109		0		69	118	20
Fluoranthene	1100	130	1200	ug/Kg	97		10		44	125	20
Benzidine	2200		1500	ug/Kg	68		0		10	119	20
Pyrene	1100	88	940	ug/Kg	77		8		26	142	20
Butylbenzylphthalate	1100		1100	ug/Kg	100		9		64	126	20
3,3-Dichlorobenzidine	1100		780	ug/Kg	71		7		33	116	20
Benzo(a)anthracene	1100	64.8	1100	ug/Kg	94		0		71	114	20
Chrysene	1100	0	1100	ug/Kg	100		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1200	ug/Kg	109		0		42	169	20
Di-n-octyl phthalate	1100		1400	ug/Kg	127		7		23	175	20
Benzo(b)fluoranthene	1100	65.7	1100	ug/Kg	94		0		67	121	20
Benzo(k)fluoranthene	1100		1200	ug/Kg	109		9		57	134	20
Benzo(a)pyrene	1100	0	1200	ug/Kg	109		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91		0		40	129	20
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91		0		43	123	20
Benzo(g,h,i)perylene	1100		840	ug/Kg	76		4		24	125	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		9		69	124	20
1,4-Dioxane	1100		940	ug/Kg	85		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		0		69	112	20
1-Methylnaphthalene	1100		1000	ug/Kg	91		0		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF012425**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB166216BL	PB166216BL	BF141257.D	2-Fluorophenol	150	120.20	80		18	112
			Phenol-d6	150	118.17	79		15	107
			Nitrobenzene-d5	100	82.58	83		18	107
			2-Fluorobiphenyl	100	85.35	85		20	109
			2,4,6-Tribromophenol	150	135.20	90		10	116
			Terphenyl-d14	100	73.57	74		10	105
PB166216BS	PB166216BS	BF141258.D	2-Fluorophenol	150	143.91	96		18	112
			Phenol-d6	150	141.79	95		15	107
			Nitrobenzene-d5	100	101.08	101		18	107
			2-Fluorobiphenyl	100	104.98	105		20	109
			2,4,6-Tribromophenol	150	167.28	112		10	116
			Terphenyl-d14	100	103.34	103		10	105
Q1169-01	ARS20-0006	BF141263.D	2-Fluorophenol	150	47.93	32		18	112
			Phenol-d6	150	81.28	54		15	107
			Nitrobenzene-d5	100	57.46	57		18	107
			2-Fluorobiphenyl	100	64.18	64		20	109
			2,4,6-Tribromophenol	150	78.96	53		10	116
			Terphenyl-d14	100	44.79	45		10	105
Q1169-03	REGULATOR-BUI	BF141259.D	2-Fluorophenol	150	82.50	55		18	112
			Phenol-d6	150	81.85	55		15	107
			Nitrobenzene-d5	100	57.22	57		18	107
			2-Fluorobiphenyl	100	60.35	60		20	109
			2,4,6-Tribromophenol	150	96.80	65		10	116
			Terphenyl-d14	100	49.70	50		10	105
Q1169-05	SPILL-SITE	BF141260.D	2-Fluorophenol	150	93.28	62		18	112
			Phenol-d6	150	92.08	61		15	107
			Nitrobenzene-d5	100	61.96	62		18	107
			2-Fluorobiphenyl	100	64.61	65		20	109
			2,4,6-Tribromophenol	150	106.86	71		10	116
			Terphenyl-d14	100	59.27	59		10	105
Q1169-05MS	SPILL-SITEMS	BF141261.D	2-Fluorophenol	150	78.71	52		18	112
			Phenol-d6	150	78.36	52		15	107
			Nitrobenzene-d5	100	53.47	53		18	107
			2-Fluorobiphenyl	100	55.28	55		20	109
			2,4,6-Tribromophenol	150	94.89	63		10	116
			Terphenyl-d14	100	55.13	55		10	105
Q1169-05MSD	SPILL-SITEMSD	BF141262.D	2-Fluorophenol	150	79.16	53		18	112
			Phenol-d6	150	78.70	52		15	107
			Nitrobenzene-d5	100	54.25	54		18	107
			2-Fluorobiphenyl	100	57.03	57		20	109
			2,4,6-Tribromophenol	150	90.55	60		10	116
			Terphenyl-d14	100	49.23	49		10	105
Q1170-01	OR-03-01232025	BF141264.D	2-Fluorophenol	150	74.01	49		18	112
			Phenol-d6	150	72.65	48		15	107
			Nitrobenzene-d5	100	50.62	51		18	107
			2-Fluorobiphenyl	100	55.91	56		20	109
			2,4,6-Tribromophenol	150	67.64	45		10	116
			Terphenyl-d14	100	43.31	43		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF012425

Lab Code: CHEM

SAS No.: BF012425

SDG NO.: BF012425

Lab File ID: BF141255.D

DFTPP Injection Date: 01/24/2025

Instrument ID: BNA_F

DFTPP Injection Time: 10:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.8
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.2
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	6.2
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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	BF141256.D	01/24/2025	11:12
PB166216BL	PB166216BL	BF141257.D	01/24/2025	12:43
PB166216BS	PB166216BS	BF141258.D	01/24/2025	13:09
REGULATOR-BUILDING-GRAVEL	Q1169-03	BF141259.D	01/24/2025	13:50
SPILL-SITE	Q1169-05	BF141260.D	01/24/2025	14:16
SPILL-SITEMS	Q1169-05MS	BF141261.D	01/24/2025	14:42
SPILL-SITEMSD	Q1169-05MSD	BF141262.D	01/24/2025	15:09
ARS20-0006	Q1169-01	BF141263.D	01/24/2025	15:35
OR-03-01232025	Q1170-01	BF141264.D	01/24/2025	16:02