

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF012725 SAS No.: BF012725 SDG No.: BF012725

Instrument ID: BNA_F Calibration Date/Time: 1/27/2025 11:59

Lab File ID: BF141266.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	0.613		-11.288	
Pyridine	1.414	1.288		-8.911	
2-Fluorophenol	1.295	1.196		-7.645	
Benzaldehyde	0.966	0.891		-7.764	
Aniline	1.456	1.271		-12.706	
Phenol-d6	1.640	1.477		-9.939	
Phenol	1.756	1.573		-10.421	20.0
bis(2-Chloroethyl) ether	1.308	1.216		-7.034	
2-Chlorophenol	1.389	1.302		-6.263	
1,2-Dichlorobenzene	1.456	1.403		-3.64	
1,3-Dichlorobenzene	1.549	1.495		-3.486	
1,4-Dichlorobenzene	1.561	1.497		-4.1	20.0
Benzyl Alcohol	1.184	1.089		-8.024	
2-Methylphenol	1.121	1.031		-8.029	
2,2-oxybis(1-Chloropropane)	1.826	1.580		-13.472	
Acetophenone	0.475	0.449		-5.474	
3+4-Methylphenols	1.415	1.277		-9.753	
n-Nitroso-di-n-propylamine	0.966	0.863	0.050	-10.663	
Nitrobenzene-d5	0.377	0.360		-4.509	
Hexachloroethane	0.565	0.548		-3.009	
Nitrobenzene	0.393	0.376		-4.326	
Isophorone	0.645	0.612		-5.116	
2-Nitrophenol	0.179	0.182		1.676	20.0
2,4-Dimethylphenol	0.241	0.232		-3.734	
bis(2-Chloroethoxy) methane	0.405	0.394		-2.716	
2,4-Dichlorophenol	0.287	0.284		-1.045	20.0
1,2,4-Trichlorobenzene	0.328	0.327		-0.305	
Benzoic acid	0.231	0.224		-3.03	
Naphthalene	1.055	1.019		-3.412	
4-Chloroaniline	0.365	0.328		-10.137	
Hexachlorobutadiene	0.197	0.203		3.046	20.0
Caprolactam	0.094	0.089		-5.319	
4-Chloro-3-methylphenol	0.313	0.301		-3.834	20.0
2-Methylnaphthalene	0.672	0.648		-3.571	
Hexachlorocyclopentadiene	0.188	0.196	0.050	4.255	
2,4,6-Trichlorophenol	0.387	0.387		0.0	20.0
2-Fluorobiphenyl	1.310	1.261		-3.74	
2,4,5-Trichlorophenol	0.409	0.418		2.2	
1,1-Biphenyl	1.553	1.528		-1.61	

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Instrument ID: BNA_F Calibration Date/Time: 1/27/2025 11:59

Lab File ID: BF141266.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	1.190		-1.653	
2-Nitroaniline	0.359	0.340		-5.292	
Dimethylphthalate	1.343	1.315		-2.085	
Acenaphthylene	1.728	1.664		-3.704	
2,6-Dinitrotoluene	0.312	0.313		0.321	
3-Nitroaniline	0.317	0.302		-4.732	
Acenaphthene	1.208	1.189		-1.573	20.0
2,4-Dinitrophenol	0.148	0.157	0.050	6.081	
4-Nitrophenol	0.248	0.234	0.050	-5.645	
Dibenzofuran	1.642	1.605		-2.253	
2,4-Dinitrotoluene	0.402	0.406		0.995	
Diethylphthalate	1.311	1.297		-1.068	
4-Chlorophenyl-phenylether	0.622	0.624		0.322	
Fluorene	1.276	1.240		-2.821	
4-Nitroaniline	0.311	0.302		-2.894	
4,6-Dinitro-2-methylphenol	0.116	0.133		14.655	
n-Nitrosodiphenylamine	0.645	0.652		1.085	20.0
Azobenzene	1.293	1.219		-5.723	
2,4,6-Tribromophenol	0.228	0.238		4.386	
4-Bromophenyl-phenylether	0.230	0.246		6.957	
Hexachlorobenzene	0.256	0.277		8.203	
Atrazine	0.174	0.157		-9.77	
Pentachlorophenol	0.164	0.172		4.878	20.0
Phenanthrene	1.074	1.069		-0.466	
Anthracene	1.044	1.037		-0.67	
Carbazole	0.957	0.935		-2.299	
Di-n-butylphthalate	1.096	1.161		5.931	
Fluoranthene	1.071	1.065		-0.56	20.0
Benzidine	0.371	0.352		-5.121	
Pyrene	1.910	1.707		-10.628	
Terphenyl-d14	1.346	1.251		-7.058	
Butylbenzylphthalate	0.637	0.655		2.826	
3,3-Dichlorobenzidine	0.433	0.438		1.155	
Benzo(a)anthracene	1.361	1.294		-4.923	
Chrysene	1.274	1.178		-7.535	
Bis(2-ethylhexyl)phthalate	0.764	0.876		14.66	
Di-n-octyl phthalate	1.154	1.471		27.47	20.0
Benzo(b)fluoranthene	1.290	1.232		-4.496	
Benzo(k)fluoranthene	1.090	1.070		-1.835	

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Lab Code: CHEM Case No.: BF012725 SAS No.: BF012725 SDG No.: BF012725

Instrument ID: BNA_F Calibration Date/Time: 1/27/2025 11:59

Lab File ID: BF141266.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	1.042		-2.068	20.0
Indeno(1,2,3-cd)pyrene	1.465	1.402		-4.3	
Dibenzo(a,h)anthracene	1.185	1.139		-3.882	
Benzo(g,h,i)perylene	1.233	1.181		-4.217	
1,2,4,5-Tetrachlorobenzene	0.574	0.583		1.568	
1,4-Dioxane	0.577	0.534		-7.452	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.341		0.294	
1-Methylnaphthalene	0.662	0.636		-3.927	

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	1/27/2025 12:00:00 AM	
Project:				Date Received:	1/27/2025 12:00:00 AM	
Client Sample ID:	PB166258BL			SDG No.:	BF012725	
Lab Sample ID:	PB166258BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141267.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

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

Report of Analysis

Client:		Date Collected:	1/27/2025 12:00:00 AM
Project:		Date Received:	1/27/2025 12:00:00 AM
Client Sample ID:	PB166258BL	SDG No.:	BF012725
Lab Sample ID:	PB166258BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141267.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

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

Report of Analysis

Client:		Date Collected:	1/27/2025 12:00:00 AM
Project:		Date Received:	1/27/2025 12:00:00 AM
Client Sample ID:	PB166258BL	SDG No.:	BF012725
Lab Sample ID:	PB166258BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141267.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.014		18-112		77	SPK: -150
13127-88-3	Phenol-d6	113.265		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	79.452		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	82.111		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	1/27/2025 12:00:00 AM
Project:		Date Received:	1/27/2025 12:00:00 AM
Client Sample ID:	PB166258BL	SDG No.:	BF012725
Lab Sample ID:	PB166258BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141267.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.177		10-116		87	SPK: -150
1718-51-0	Terphenyl-d14	75.219		10-105		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	176935	6.804				
1146-65-2	Naphthalene-d8	709013	8.086				
15067-26-2	Acenaphthene-d10	387451	9.839				
1517-22-2	Phenanthrene-d10	669950	11.333				
1719-03-5	Chrysene-d12	494546	13.974				
1520-96-3	Perylene-d12	422277	15.451				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	95.9	J			2.216	

Report of Analysis

Client:		Date Collected:	1/27/2025 12:00:00 AM
Project:		Date Received:	1/27/2025 12:00:00 AM
Client Sample ID:	PB166258BS	SDG No.:	BF012725
Lab Sample ID:	PB166258BS	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
BF141268.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.8	270	330	ug/Kg
110-86-1	Pyridine	1200		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	210	J	180	270	330	ug/Kg
62-53-3	Aniline	1100		96.9	130	170	ug/Kg
108-95-2	Phenol	1400		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	670		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/27/2025 12:00:00 AM
Project:		Date Received:	1/27/2025 12:00:00 AM
Client Sample ID:	PB166258BS	SDG No.:	BF012725
Lab Sample ID:	PB166258BS	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
BF141268.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1300		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	750		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	130	170	ug/Kg
Total PAH	Total PAH	23400		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1400		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85	130	170	ug/Kg
1912-24-9	Atrazine	1900		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/27/2025 12:00:00 AM
Project:		Date Received:	1/27/2025 12:00:00 AM
Client Sample ID:	PB166258BS	SDG No.:	BF012725
Lab Sample ID:	PB166258BS	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
BF141268.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2800	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1600		84.4	130	170	ug/Kg
86-74-8	Carbazole	1500		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	130	170	ug/Kg
92-87-5	Benzidine	1400		160	270	330	ug/Kg
129-00-0	Pyrene	1300		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	130	170	ug/Kg
218-01-9	Chrysene	1400		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113.552		18-112		76	SPK: -150
13127-88-3	Phenol-d6	111.934		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	78.698		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	81.633		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	1/27/2025 12:00:00 AM
Project:		Date Received:	1/27/2025 12:00:00 AM
Client Sample ID:	PB166258BS	SDG No.:	BF012725
Lab Sample ID:	PB166258BS	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
BF141268.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	128.034		10-116		85	SPK: -150
1718-51-0	Terphenyl-d14	80.49		10-105		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168150	6.804				
1146-65-2	Naphthalene-d8	669601	8.086				
15067-26-2	Acenaphthene-d10	357856	9.845				
1517-22-2	Phenanthrene-d10	588043	11.333				
1719-03-5	Chrysene-d12	380675	13.98				
1520-96-3	Perylene-d12	394892	15.445				

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:	VNJ-237	SDG No.:	BF012725
Lab Sample ID:	Q1183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141269.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.8	U	58.8	180	220	ug/Kg
110-86-1	Pyridine	54.1	U	54.1	88.1	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.7	U	65.7	88.1	120	ug/Kg
108-95-2	Phenol	56.2	U	56.2	88.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.7	U	56.7	88.1	120	ug/Kg
95-57-8	2-Chlorophenol	56.6	U	56.6	88.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.3	U	57.3	88.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.3	U	58.3	88.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.6	U	58.6	88.1	120	ug/Kg
100-51-6	Benzyl Alcohol	56.2	U	56.2	180	220	ug/Kg
95-48-7	2-Methylphenol	54.6	U	54.6	88.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.6	U	61.6	88.1	120	ug/Kg
98-86-2	Acetophenone	58.9	U	58.9	88.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.1	U	54.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.3	U	27.3	54.2	54.2	ug/Kg
67-72-1	Hexachloroethane	56.2	U	56.2	88.1	120	ug/Kg
98-95-3	Nitrobenzene	61.5	U	61.5	88.1	120	ug/Kg
78-59-1	Isophorone	57.3	U	57.3	88.1	120	ug/Kg
88-75-5	2-Nitrophenol	64	U	64	88.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.1	U	63.1	88.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.1	U	58.1	88.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	88.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.9	U	57.9	88.1	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56	U	56	88.1	120	ug/Kg
106-47-8	4-Chloroaniline	56	U	56	88.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.4	U	56.4	88.1	120	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:	VNJ-237	SDG No.:	BF012725
Lab Sample ID:	Q1183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141269.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.8	U	58.8	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.5	U	52.5	88.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	55.9	U	55.9	88.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.4	U	48.4	88.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.1	U	50.1	88.1	120	ug/Kg
92-52-4	1,1-Biphenyl	59.2	U	59.2	88.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.4	U	56.4	88.1	120	ug/Kg
88-74-4	2-Nitroaniline	64.4	U	64.4	88.1	120	ug/Kg
131-11-3	Dimethylphthalate	55.4	U	55.4	88.1	120	ug/Kg
208-96-8	Acenaphthylene	58.6	U	58.6	88.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.4	U	56.4	88.1	120	ug/Kg
99-09-2	3-Nitroaniline	60.4	U	60.4	88.1	120	ug/Kg
83-32-9	Acenaphthene	54.9	U	54.9	88.1	120	ug/Kg
Total PAH	Total PAH	897.8	U	897.8	88.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.6	U	78.6	180	220	ug/Kg
132-64-9	Dibenzofuran	57.2	U	57.2	88.1	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.4	U	58.4	88.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.8	U	114.8	88.1	240	ug/Kg
84-66-2	Diethylphthalate	54.3	U	54.3	88.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58	U	58	88.1	120	ug/Kg
86-73-7	Fluorene	57.9	U	57.9	88.1	120	ug/Kg
100-01-6	4-Nitroaniline	72.5	U	72.5	88.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.3	U	79.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.3	U	55.3	88.1	120	ug/Kg
103-33-3	Azobenzene	53.9	U	53.9	88.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.5	U	53.5	88.1	120	ug/Kg
118-74-1	Hexachlorobenzene	57.6	U	57.6	88.1	120	ug/Kg
1912-24-9	Atrazine	61.9	U	61.9	88.1	120	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:	VNJ-237	SDG No.:	BF012725
Lab Sample ID:	Q1183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141269.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.4	U	52.4	180	220	ug/Kg
85-01-8	Phenanthrene	56.9	U	56.9	88.1	120	ug/Kg
120-12-7	Anthracene	57.2	U	57.2	88.1	120	ug/Kg
86-74-8	Carbazole	54.4	U	54.4	88.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.1	U	57.1	88.1	120	ug/Kg
206-44-0	Fluoranthene	55.4	U	55.4	88.1	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	56.2	U	56.2	88.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.6	U	65.6	88.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.8	U	66.8	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.7	U	54.7	88.1	120	ug/Kg
218-01-9	Chrysene	53.9	U	53.9	88.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.7	U	61.7	88.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.5	U	74.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.9	U	54.9	88.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56	U	56	88.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	63	U	63	88.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52.9	U	52.9	88.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55	U	55	88.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.3	U	54.3	88.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.8	U	58.8	88.1	120	ug/Kg
123-91-1	1,4-Dioxane	74.5	U	74.5	88.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.6	U	50.6	88.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.4	U	56.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	0.682	*	18-112		0	SPK: -150
13127-88-3	Phenol-d6	24.277		15-107		16	SPK: -150
4165-60-0	Nitrobenzene-d5	52.24		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	57.321		20-109		57	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:	VNJ-237	SDG No.:	BF012725
Lab Sample ID:	Q1183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141269.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	0.104	*	10-116		0	SPK: -150
1718-51-0	Terphenyl-d14	44.742		10-105		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125535	6.804				
1146-65-2	Naphthalene-d8	493607	8.087				
15067-26-2	Acenaphthene-d10	259388	9.839				
1517-22-2	Phenanthrene-d10	425081	11.328				
1719-03-5	Chrysene-d12	348678	13.974				
1520-96-3	Perylene-d12	342478	15.439				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	71.1	J			2.158	
	unknown2.375	140	J			2.375	
000141-79-7	3-Penten-2-one, 4-methyl-	110	A			4.381	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2000	A			5.022	
000119-61-9	Benzophenone	150	J			10.551	
000057-10-3	n-Hexadecanoic acid	590	J			11.851	
000506-17-2	cis-Vaccenic acid	45.6	J			12.563	
000057-11-4	Octadecanoic acid	360	J			12.639	
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	1300	J			12.816	
015594-90-8	1-Heneicosanol	80.4	J			13.827	
000083-46-5	.beta.-Sitosterol	68.7	J			16.557	

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:	SP-COMP	SDG No.:	BF012725
Lab Sample ID:	Q1187-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141270.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.7	U	55.7	170	210	ug/Kg
110-86-1	Pyridine	51.3	U	51.3	83.5	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.2	U	62.2	83.5	110	ug/Kg
108-95-2	Phenol	53.2	U	53.2	83.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.7	U	53.7	83.5	110	ug/Kg
95-57-8	2-Chlorophenol	53.6	U	53.6	83.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.3	U	54.3	83.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.2	U	55.2	83.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.5	U	55.5	83.5	110	ug/Kg
100-51-6	Benzyl Alcohol	53.3	U	53.3	170	210	ug/Kg
95-48-7	2-Methylphenol	51.8	U	51.8	83.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.4	U	58.4	83.5	110	ug/Kg
98-86-2	Acetophenone	55.8	U	55.8	83.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.2	U	51.2	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.9	U	25.9	51.4	51.4	ug/Kg
67-72-1	Hexachloroethane	53.3	U	53.3	83.5	110	ug/Kg
98-95-3	Nitrobenzene	58.3	U	58.3	83.5	110	ug/Kg
78-59-1	Isophorone	54.3	U	54.3	83.5	110	ug/Kg
88-75-5	2-Nitrophenol	60.7	U	60.7	83.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.8	U	59.8	83.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.1	U	55.1	83.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.5	U	48.5	83.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.8	U	54.8	83.5	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53	U	53	83.5	110	ug/Kg
106-47-8	4-Chloroaniline	53	U	53	83.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.5	U	53.5	83.5	110	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:	SP-COMP	SDG No.:	BF012725
Lab Sample ID:	Q1187-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141270.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.7	U	55.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.8	U	49.8	83.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	53	U	53	83.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.8	U	45.8	83.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.5	U	47.5	83.5	110	ug/Kg
92-52-4	1,1-Biphenyl	56.1	U	56.1	83.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.5	U	53.5	83.5	110	ug/Kg
88-74-4	2-Nitroaniline	61	U	61	83.5	110	ug/Kg
131-11-3	Dimethylphthalate	52.5	U	52.5	83.5	110	ug/Kg
208-96-8	Acenaphthylene	55.5	U	55.5	83.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.4	U	53.4	83.5	110	ug/Kg
99-09-2	3-Nitroaniline	57.3	U	57.3	83.5	110	ug/Kg
83-32-9	Acenaphthene	52.1	U	52.1	83.5	110	ug/Kg
Total PAH	Total PAH	850.8	U	850.8	83.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.5	U	74.5	170	210	ug/Kg
132-64-9	Dibenzofuran	54.2	U	54.2	83.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.8	U	108.8	83.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.4	U	55.4	83.5	110	ug/Kg
84-66-2	Diethylphthalate	51.4	U	51.4	83.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55	U	55	83.5	110	ug/Kg
86-73-7	Fluorene	54.9	U	54.9	83.5	110	ug/Kg
100-01-6	4-Nitroaniline	68.7	U	68.7	83.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.1	U	75.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.4	U	52.4	83.5	110	ug/Kg
103-33-3	Azobenzene	51.1	U	51.1	83.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.7	U	50.7	83.5	110	ug/Kg
118-74-1	Hexachlorobenzene	54.6	U	54.6	83.5	110	ug/Kg
1912-24-9	Atrazine	58.7	U	58.7	83.5	110	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:	SP-COMP	SDG No.:	BF012725
Lab Sample ID:	Q1187-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141270.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.6	U	49.6	170	210	ug/Kg
85-01-8	Phenanthrene	53.9	U	53.9	83.5	110	ug/Kg
120-12-7	Anthracene	54.2	U	54.2	83.5	110	ug/Kg
86-74-8	Carbazole	51.6	U	51.6	83.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.1	U	54.1	83.5	110	ug/Kg
206-44-0	Fluoranthene	52.5	U	52.5	83.5	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	53.3	U	53.3	83.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.2	U	62.2	83.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.3	U	63.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	51.8	U	51.8	83.5	110	ug/Kg
218-01-9	Chrysene	51.1	U	51.1	83.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.4	U	58.4	83.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.6	U	70.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.1	U	52.1	83.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	83.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	59.7	U	59.7	83.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.2	U	50.2	83.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.1	U	52.1	83.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.4	U	51.4	83.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.7	U	55.7	83.5	110	ug/Kg
123-91-1	1,4-Dioxane	70.6	U	70.6	83.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	48	83.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.4	U	53.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.197		18-112		81	SPK: -150
13127-88-3	Phenol-d6	118.965		15-107		79	SPK: -150
4165-60-0	Nitrobenzene-d5	84.025		18-107		84	SPK: -100
321-60-8	2-Fluorobiphenyl	86.301		20-109		86	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:	SP-COMP	SDG No.:	BF012725
Lab Sample ID:	Q1187-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141270.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	117.714		10-116		78	SPK: -150
1718-51-0	Terphenyl-d14	70.108		10-105		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140751	6.804				
1146-65-2	Naphthalene-d8	555938	8.086				
15067-26-2	Acenaphthene-d10	287866	9.839				
1517-22-2	Phenanthrene-d10	465072	11.327				
1719-03-5	Chrysene-d12	367579	13.968				
1520-96-3	Perylene-d12	386017	15.433				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	68.1	J			2.169	
	unknown2.334	71.7	J			2.334	
001119-40-0	Pentanedioic acid, dimethyl ester	46.4	J			7.622	
000119-61-9	Benzophenone	190	J			10.557	
000057-10-3	n-Hexadecanoic acid	290	J			11.863	
000057-11-4	Octadecanoic acid	160	J			12.645	
006222-03-3	Trifluoroacetoxy hexadecane	110	J			13.821	
007683-64-9	Supraene	47.3	J			14.833	
000192-97-2	Benzo[e]pyrene	47.3	J			15.01	

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:	SP-COMPMS	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141271.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	960		55.7	170	210	ug/Kg
110-86-1	Pyridine	930		51.3	83.4	110	ug/Kg
100-52-7	Benzaldehyde	150	J	120	170	210	ug/Kg
62-53-3	Aniline	730		62.2	83.4	110	ug/Kg
108-95-2	Phenol	1000		53.2	83.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		53.7	83.4	110	ug/Kg
95-57-8	2-Chlorophenol	1000		53.6	83.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		54.3	83.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	990		55.2	83.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		55.5	83.4	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		53.3	170	210	ug/Kg
95-48-7	2-Methylphenol	1000		51.7	83.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		58.3	83.4	110	ug/Kg
98-86-2	Acetophenone	990		55.8	83.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	960		51.2	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		25.9	51.3	51.3	ug/Kg
67-72-1	Hexachloroethane	1000		53.3	83.4	110	ug/Kg
98-95-3	Nitrobenzene	950		58.3	83.4	110	ug/Kg
78-59-1	Isophorone	1000		54.3	83.4	110	ug/Kg
88-75-5	2-Nitrophenol	1100		60.6	83.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		59.8	83.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		55.1	83.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		48.4	83.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		54.8	83.4	110	ug/Kg
65-85-0	Benzoic acid	570		150	170	210	ug/Kg
91-20-3	Naphthalene	1000		53	83.4	110	ug/Kg
106-47-8	4-Chloroaniline	440		53	83.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		53.4	83.4	110	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:	SP-COMPMS	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141271.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	880		55.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	990		49.7	83.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		52.9	83.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4100	E	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		45.8	83.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		47.5	83.4	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		56.1	83.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		53.4	83.4	110	ug/Kg
88-74-4	2-Nitroaniline	1000		61	83.4	110	ug/Kg
131-11-3	Dimethylphthalate	1100		52.4	83.4	110	ug/Kg
208-96-8	Acenaphthylene	1100		55.5	83.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		53.4	83.4	110	ug/Kg
99-09-2	3-Nitroaniline	620		57.2	83.4	110	ug/Kg
83-32-9	Acenaphthene	1100		52	83.4	110	ug/Kg
Total PAH	Total PAH	16900		850.3	83.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		160	170	210	ug/Kg
100-02-7	4-Nitrophenol	2100	E	74.4	170	210	ug/Kg
132-64-9	Dibenzofuran	1000		54.2	83.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		108.7	83.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		55.3	83.4	110	ug/Kg
84-66-2	Diethylphthalate	1000		51.4	83.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		54.9	83.4	110	ug/Kg
86-73-7	Fluorene	1000		54.9	83.4	110	ug/Kg
100-01-6	4-Nitroaniline	1000		68.7	83.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		75.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		52.4	83.4	110	ug/Kg
103-33-3	Azobenzene	1100		51.1	83.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		50.6	83.4	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		54.5	83.4	110	ug/Kg
1912-24-9	Atrazine	1400		58.6	83.4	110	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:	SP-COMPMS	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141271.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	E	49.6	170	210	ug/Kg
85-01-8	Phenanthrene	1100		53.9	83.4	110	ug/Kg
120-12-7	Anthracene	1200		54.2	83.4	110	ug/Kg
86-74-8	Carbazole	1100		51.5	83.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		54.1	83.4	110	ug/Kg
206-44-0	Fluoranthene	1100		52.4	83.4	110	ug/Kg
92-87-5	Benzidine	1300		100	170	210	ug/Kg
129-00-0	Pyrene	830		53.3	83.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	990		62.1	83.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		63.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1000		51.8	83.4	110	ug/Kg
218-01-9	Chrysene	1000		51	83.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		58.4	83.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		70.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		52	83.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		53	83.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		59.7	83.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		50.1	83.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		52.1	83.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		51.4	83.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		55.7	83.4	110	ug/Kg
123-91-1	1,4-Dioxane	900		70.6	83.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		47.9	83.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	960		53.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103.136		18-112		69	SPK: -150
13127-88-3	Phenol-d6	101.039		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	71.964		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	77.58		20-109		78	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:	SP-COMPMS	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141271.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.08		10-116		76	SPK: -150
1718-51-0	Terphenyl-d14	61.609		10-105		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154914	6.804				
1146-65-2	Naphthalene-d8	607487	8.086				
15067-26-2	Acenaphthene-d10	305286	9.845				
1517-22-2	Phenanthrene-d10	486603	11.333				
1719-03-5	Chrysene-d12	375115	13.98				
1520-96-3	Perylene-d12	430944	15.445				

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:	SP-COMPMSD	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141272.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	980		55.7	170	210	ug/Kg
110-86-1	Pyridine	950		51.2	83.4	110	ug/Kg
100-52-7	Benzaldehyde	150	J	120	170	210	ug/Kg
62-53-3	Aniline	770		62.1	83.4	110	ug/Kg
108-95-2	Phenol	1000		53.2	83.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		53.7	83.4	110	ug/Kg
95-57-8	2-Chlorophenol	1100		53.6	83.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		54.3	83.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		55.2	83.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		55.5	83.4	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		53.2	170	210	ug/Kg
95-48-7	2-Methylphenol	1000		51.7	83.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		58.3	83.4	110	ug/Kg
98-86-2	Acetophenone	1000		55.7	83.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	990		51.2	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		25.8	51.3	51.3	ug/Kg
67-72-1	Hexachloroethane	1000		53.2	83.4	110	ug/Kg
98-95-3	Nitrobenzene	990		58.2	83.4	110	ug/Kg
78-59-1	Isophorone	1100		54.3	83.4	110	ug/Kg
88-75-5	2-Nitrophenol	1100		60.6	83.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		59.8	83.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		55	83.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		48.4	83.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		54.8	83.4	110	ug/Kg
65-85-0	Benzoic acid	660		150	170	210	ug/Kg
91-20-3	Naphthalene	1000		53	83.4	110	ug/Kg
106-47-8	4-Chloroaniline	440		53	83.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		53.4	83.4	110	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:	SP-COMPMSD	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141272.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	950		55.7	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		49.7	83.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		52.9	83.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4100	E	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		45.8	83.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		47.5	83.4	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		56.1	83.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		53.4	83.4	110	ug/Kg
88-74-4	2-Nitroaniline	1000		60.9	83.4	110	ug/Kg
131-11-3	Dimethylphthalate	1100		52.4	83.4	110	ug/Kg
208-96-8	Acenaphthylene	1100		55.5	83.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		53.4	83.4	110	ug/Kg
99-09-2	3-Nitroaniline	610		57.2	83.4	110	ug/Kg
83-32-9	Acenaphthene	1100		52	83.4	110	ug/Kg
Total PAH	Total PAH	17190		849.9	83.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1800	E	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	2100	E	74.4	170	210	ug/Kg
132-64-9	Dibenzofuran	1100		54.1	83.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		108.7	83.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		55.3	83.4	110	ug/Kg
84-66-2	Diethylphthalate	1100		51.4	83.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		54.9	83.4	110	ug/Kg
86-73-7	Fluorene	1000		54.8	83.4	110	ug/Kg
100-01-6	4-Nitroaniline	1000		68.6	83.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		75	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		52.3	83.4	110	ug/Kg
103-33-3	Azobenzene	1100		51.1	83.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		50.6	83.4	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		54.5	83.4	110	ug/Kg
1912-24-9	Atrazine	1400		58.6	83.4	110	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:	SP-COMPMSD	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141272.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	E	49.6	170	210	ug/Kg
85-01-8	Phenanthrene	1100		53.9	83.4	110	ug/Kg
120-12-7	Anthracene	1200		54.1	83.4	110	ug/Kg
86-74-8	Carbazole	1100		51.5	83.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		54.1	83.4	110	ug/Kg
206-44-0	Fluoranthene	1100		52.4	83.4	110	ug/Kg
92-87-5	Benzidine	1400		100	170	210	ug/Kg
129-00-0	Pyrene	890		53.2	83.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		62.1	83.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		63.2	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1100		51.8	83.4	110	ug/Kg
218-01-9	Chrysene	1000		51	83.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		58.4	83.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		70.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		52	83.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		53	83.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		59.6	83.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		50.1	83.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		52.1	83.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		51.4	83.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		55.7	83.4	110	ug/Kg
123-91-1	1,4-Dioxane	920		70.6	83.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		47.9	83.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	990		53.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.079		18-112		70	SPK: -150
13127-88-3	Phenol-d6	104.259		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	74.697		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	78.607		20-109		79	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:	SP-COMPMSD	SDG No.:	BF012725
Lab Sample ID:	Q1187-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF141272.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166258

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.013		10-116		77	SPK: -150
1718-51-0	Terphenyl-d14	66.706		10-105		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151106	6.804				
1146-65-2	Naphthalene-d8	589538	8.087				
15067-26-2	Acenaphthene-d10	300435	9.845				
1517-22-2	Phenanthrene-d10	471075	11.333				
1719-03-5	Chrysene-d12	327460	13.974				
1520-96-3	Perylene-d12	392260	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.:	BF012725
Lab Sample ID:	Q1169-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141273.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

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

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	ARS20-0006	SDG No.:	BF012725
Lab Sample ID:	Q1169-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141273.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

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

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	ARS20-0006	SDG No.:	BF012725
Lab Sample ID:	Q1169-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141273.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	142.292		10-139		95	SPK: -150
13127-88-3	Phenol-d6	134.294		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	100.987		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	104.908		52-132		105	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.:	BF012725
Lab Sample ID:	Q1169-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141273.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	163.411		44-137		109	SPK: -150
1718-51-0	Terphenyl-d14	93.061		48-125		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	127983	6.804				
1146-65-2	Naphthalene-d8	498170	8.087				
15067-26-2	Acenaphthene-d10	262605	9.839				
1517-22-2	Phenanthrene-d10	419729	11.328				
1719-03-5	Chrysene-d12	296565	13.969				
1520-96-3	Perylene-d12	329855	15.433				

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:	ARS20-0006MS	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141274.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	390		15.5	40	50	ug/L
100-52-7	Benzaldehyde	56.1	J	40	80	100	ug/L
62-53-3	Aniline	160		16	40	50	ug/L
108-95-2	Phenol	420		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	480		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	390		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	360		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	370		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	490		16	80	100	ug/L
95-48-7	2-Methylphenol	490		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	420		13.5	40	50	ug/L
98-86-2	Acetophenone	470		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	460		14.8	25	25	ug/L
67-72-1	Hexachloroethane	370		10.1	40	50	ug/L
98-95-3	Nitrobenzene	440		12.7	40	50	ug/L
78-59-1	Isophorone	500		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	510		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	580		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	490		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	510		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	440		11	40	50	ug/L
65-85-0	Benzoic acid	440		54.7	80	100	ug/L
91-20-3	Naphthalene	460		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	81.8		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	430		12.7	40	50	ug/L

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:	ARS20-0006MS	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141274.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	400		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	500		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	490		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1800	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	540		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	520		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	520		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	500		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	500		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	540		9.3	40	50	ug/L
208-96-8	Acenaphthylene	540		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	510		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	160		13.7	40	50	ug/L
83-32-9	Acenaphthene	570		8.1	40	50	ug/L
Total PAH	Total PAH	8420		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	990	E	20	80	100	ug/L
132-64-9	Dibenzofuran	510		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	540		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	530		15.2	40	50	ug/L
84-66-2	Diethylphthalate	520		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	520		9.8	40	50	ug/L
86-73-7	Fluorene	510		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	460		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	620		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	560		8.9	40	50	ug/L
103-33-3	Azobenzene	500		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	580		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	570		11.4	40	50	ug/L
1912-24-9	Atrazine	680		12.6	40	50	ug/L

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:	ARS20-0006MS	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141274.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	550		8.9	40	50	ug/L
120-12-7	Anthracene	580		10.7	40	50	ug/L
86-74-8	Carbazole	540		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	560		14.7	40	50	ug/L
206-44-0	Fluoranthene	550		12.9	40	50	ug/L
92-87-5	Benzidine	180		40.7	80	100	ug/L
129-00-0	Pyrene	420		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	510		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	190		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	530		9.4	40	50	ug/L
218-01-9	Chrysene	510		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	560		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	660		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	550		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	500		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	580		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	540		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	540		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	490		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	520		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	350		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	540		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	470		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.364		10-139		83	SPK: -150
13127-88-3	Phenol-d6	118.563		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	91.798		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	98.317		52-132		98	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:	ARS20-0006MS	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141274.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	148.114		44-137		99	SPK: -150
1718-51-0	Terphenyl-d14	80.189		48-125		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	142441	6.804				
1146-65-2	Naphthalene-d8	546443	8.086				
15067-26-2	Acenaphthene-d10	278078	9.845				
1517-22-2	Phenanthrene-d10	436550	11.333				
1719-03-5	Chrysene-d12	327616	13.98				
1520-96-3	Perylene-d12	386172	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:	ARS20-0006MSD	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141275.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	410		10.3	80	100	ug/L
110-86-1	Pyridine	390		15.5	40	50	ug/L
100-52-7	Benzaldehyde	56.5	J	40	80	100	ug/L
62-53-3	Aniline	170		16	40	50	ug/L
108-95-2	Phenol	430		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	470		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	500		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	400		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	370		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	500		16	80	100	ug/L
95-48-7	2-Methylphenol	490		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	430		13.5	40	50	ug/L
98-86-2	Acetophenone	470		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	480		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	470		14.8	25	25	ug/L
67-72-1	Hexachloroethane	370		10.1	40	50	ug/L
98-95-3	Nitrobenzene	440		12.7	40	50	ug/L
78-59-1	Isophorone	510		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	520		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	600		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	500		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	520		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	440		11	40	50	ug/L
65-85-0	Benzoic acid	460		54.7	80	100	ug/L
91-20-3	Naphthalene	460		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	93.8		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	440		12.7	40	50	ug/L

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:	ARS20-0006MSD	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141275.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	420		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	510		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	490		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1800	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	540		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	530		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	520		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	500		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	510		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	550		9.3	40	50	ug/L
208-96-8	Acenaphthylene	550		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	170		13.7	40	50	ug/L
83-32-9	Acenaphthene	580		8.1	40	50	ug/L
Total PAH	Total PAH	8580		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1000	E	20	80	100	ug/L
132-64-9	Dibenzofuran	530		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1060		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	540		15.2	40	50	ug/L
84-66-2	Diethylphthalate	530		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	530		9.8	40	50	ug/L
86-73-7	Fluorene	510		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	470		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	630		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	580		8.9	40	50	ug/L
103-33-3	Azobenzene	510		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	590		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	580		11.4	40	50	ug/L
1912-24-9	Atrazine	700		12.6	40	50	ug/L

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:	ARS20-0006MSD	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141275.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	560		8.9	40	50	ug/L
120-12-7	Anthracene	590		10.7	40	50	ug/L
86-74-8	Carbazole	550		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	580		14.7	40	50	ug/L
206-44-0	Fluoranthene	560		12.9	40	50	ug/L
92-87-5	Benzidine	180		40.7	80	100	ug/L
129-00-0	Pyrene	430		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	530		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	230		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	540		9.4	40	50	ug/L
218-01-9	Chrysene	530		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	570		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	670		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	570		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	520		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	590		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	550		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	550		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	490		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	520		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	54.7		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	540		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	470		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126.164		10-139		84	SPK: -150
13127-88-3	Phenol-d6	121.165		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	91.937		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	98.798		52-132		99	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:	ARS20-0006MSD	SDG No.:	BF012725
Lab Sample ID:	Q1169-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141275.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	151.562		44-137		101	SPK: -150
1718-51-0	Terphenyl-d14	83.804		48-125		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136628	6.804				
1146-65-2	Naphthalene-d8	532274	8.087				
15067-26-2	Acenaphthene-d10	274859	9.845				
1517-22-2	Phenanthrene-d10	431743	11.333				
1719-03-5	Chrysene-d12	318797	13.98				
1520-96-3	Perylene-d12	371438	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.:	BF012725
Lab Sample ID:	Q1169-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141276.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

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

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	REGULATOR-BUILDING-GRAVEL	SDG No.:	BF012725
Lab Sample ID:	Q1169-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141276.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

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

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	REGULATOR-BUILDING-GRAVEL	SDG No.:	BF012725
Lab Sample ID:	Q1169-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141276.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	118.401		10-139		79	SPK: -150
13127-88-3	Phenol-d6	112.447		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	82.145		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	89.34		52-132		89	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.:	BF012725
Lab Sample ID:	Q1169-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141276.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	146.444		44-137		98	SPK: -150
1718-51-0	Terphenyl-d14	83.129		48-125		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136506	6.804				
1146-65-2	Naphthalene-d8	541009	8.081				
15067-26-2	Acenaphthene-d10	273744	9.839				
1517-22-2	Phenanthrene-d10	440856	11.328				
1719-03-5	Chrysene-d12	330892	13.969				
1520-96-3	Perylene-d12	286824	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-SITE	SDG No.:	BF012725
Lab Sample ID:	Q1169-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141277.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

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

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITE	SDG No.:	BF012725
Lab Sample ID:	Q1169-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141277.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

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

Report of Analysis

Client:		Date Collected:	1/23/2025 12:00:00 AM
Project:		Date Received:	1/23/2025 12:00:00 AM
Client Sample ID:	SPILL-SITE	SDG No.:	BF012725
Lab Sample ID:	Q1169-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141277.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	130.032		10-139		87	SPK: -150
13127-88-3	Phenol-d6	124.67		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	92.031		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	95.324		52-132		95	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.:	BF012725
Lab Sample ID:	Q1169-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141277.D	1	1/27/2025 12:00:00 AM	1/27/2025 12:00:00 AM	PB166264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	153.317		44-137		102	SPK: -150
1718-51-0	Terphenyl-d14	77.303		48-125		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	142521	6.804				
1146-65-2	Naphthalene-d8	563428	8.087				
15067-26-2	Acenaphthene-d10	298836	9.839				
1517-22-2	Phenanthrene-d10	482767	11.328				
1719-03-5	Chrysene-d12	374663	13.974				
1520-96-3	Perylene-d12	376397	15.445				

Hit Summary Sheet SW-846

SDG No.: BF012725

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ARS20-0006								
Q1169-02	ARS20-0006	water	Benzoic acid	100.000		54.7	100	ug/L
			Total Svoc :			100.00		
			Total Concentration:			100.00		
Client ID : VNJ-237								
Q1183-01	VNJ-237	Solid	.beta.-Sitosterol	*	68.700	J		
Q1183-01	VNJ-237	Solid	1,3-Benzenedicarboxylic acid, bis	*	1,300.000	J		
Q1183-01	VNJ-237	Solid	1-Heneicosanol	*	80.400	J		
Q1183-01	VNJ-237	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	2,000.000	A		
Q1183-01	VNJ-237	Solid	3-Penten-2-one, 4-methyl-	*	110.000	A		
Q1183-01	VNJ-237	Solid	Benzophenone	*	150.000	J		
Q1183-01	VNJ-237	Solid	cis-Vaccenic acid	*	45.600	J		
Q1183-01	VNJ-237	Solid	n-Hexadecanoic acid	*	590.000	J		
Q1183-01	VNJ-237	Solid	Octadecanoic acid	*	360.000	J		
Q1183-01	VNJ-237	Solid	Propane, 1,1-dimethoxy-	*	71.100	J		
Q1183-01	VNJ-237	Solid	unknown2.375	*	140.000	J		
			Total Tics :			4,915.80		
			Total Concentration:			4,915.80		
Client ID : SP-COMP								
Q1187-01	SP-COMP	Solid	Benzo[e]pyrene	*	47.300	J		
Q1187-01	SP-COMP	Solid	Benzophenone	*	190.000	J		
Q1187-01	SP-COMP	Solid	n-Hexadecanoic acid	*	290.000	J		
Q1187-01	SP-COMP	Solid	Octadecanoic acid	*	160.000	J		
Q1187-01	SP-COMP	Solid	Pentanedioic acid, dimethyl ester	*	46.400	J		
Q1187-01	SP-COMP	Solid	Propane, 1,1-dimethoxy-	*	68.100	J		
Q1187-01	SP-COMP	Solid	Supraene	*	47.300	J		
Q1187-01	SP-COMP	Solid	Trifluoroacetoxy hexadecane	*	110.000	J		
Q1187-01	SP-COMP	Solid	unknown2.334	*	71.700	J		
			Total Tics :			1,030.80		
			Total Concentration:			1,030.80		



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.: BF012725 SAS No.: BF012725 SDG NO.: BF012725

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 27 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 12:47

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 PB166258BL	176935	6.80	709013	8.09	387451	9.84
02 PB166258BS	168150	6.80	669601	8.09	357856	9.85
03 VNJ-237	125535	6.80	493607	8.09	259388	9.84
04 SP-COMP	140751	6.80	555938	8.09	287866	9.84
05 SP-COMPMS	154914	6.80	607487	8.09	305286	9.85
06 SP-COMPMSD	151106	6.80	589538	8.09	300435	9.85
07 ARS20-0006	127983	6.80	498170	8.09	262605	9.84
08 ARS20-0006MS	142441	6.80	546443	8.09	278078	9.85
09 ARS20-0006MSD	136628	6.80	532274	8.09	274859	9.85
10 REGULATOR-BUILDING-GRAVEL	136506	6.80	541009	8.08	273744	9.84
11 SPILL-SITE	142521	6.80	563428	8.09	298836	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.: BF012725 SAS No.: BF012725 SDG NO.: BF012725

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 27 2025 12:00AM

Lab File ID: BF141266.D Time Analyzed: 12:47

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	186497	6.804	695145	8.09	363655	9.85
UPPER LIMIT	372994	7.304	1390290	8.586	727310	10.345
LOWER LIMIT	93248.5	6.304	347572.5	7.586	181827.5	9.345
EPA SAMPLE NO.						
01 PB166258BL	176935	6.80	709013	8.09	387451	9.84
02 PB166258BS	168150	6.80	669601	8.09	357856	9.85
03 VNJ-237	125535	6.80	493607	8.09	259388	9.84
04 SP-COMP	140751	6.80	555938	8.09	287866	9.84
05 SP-COMPMS	154914	6.80	607487	8.09	305286	9.85
06 SP-COMPMSD	151106	6.80	589538	8.09	300435	9.85
07 ARS20-0006	127983	6.80	498170	8.09	262605	9.84
08 ARS20-0006MS	142441	6.80	546443	8.09	278078	9.85
09 ARS20-0006MSD	136628	6.80	532274	8.09	274859	9.85
10 REGULATOR-BUILDING-GRAVEL	136506	6.80	541009	8.08	273744	9.84
11 SPILL-SITE	142521	6.80	563428	8.09	298836	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.: BF012725 SAS No.: BF012725 SDG NO.: BF012725

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 27 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 12:47

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	PB166258BL	669950	11.33	494546	13.97	422277	15.45
02	PB166258BS	588043	11.33	380675	13.98	394892	15.45
03	VNJ-237	425081	11.33	348678	13.97	342478	15.44
04	SP-COMP	465072	11.33	367579	13.97	386017	15.43
05	SP-COMPMS	486603	11.33	375115	13.98	430944	15.45
06	SP-COMPMSD	471075	11.33	327460	13.97	392260	15.45
07	ARS20-0006	419729	11.33	296565	13.97	329855	15.43
08	ARS20-0006MS	436550	11.33	327616	13.98	386172	15.44
09	ARS20-0006MSD	431743	11.33	318797	13.98	371438	15.45
10	REGULATOR-BUILDING-GRAVEL	440856	11.33	330892	13.97	286824	15.44
11	SPILL-SITE	482767	11.33	374663	13.97	376397	15.45

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF012725 SAS No.: BF012725 SDG NO.: BF012725

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 27 2025 12:00AM

Lab File ID: BF141266.D Time Analyzed: 12:47

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	596765	11.333	372986	13.974	408140	15.439
UPPER LIMIT	1193530	11.833	745972	14.474	816280	15.939
LOWER LIMIT	298382.5	10.833	186493	13.474	204070	14.939
EPA SAMPLE NO.						
01 PB166258BL	669950	11.33	494546	13.97	422277	15.45
02 PB166258BS	588043	11.33	380675	13.98	394892	15.45
03 VNJ-237	425081	11.33	348678	13.97	342478	15.44
04 SP-COMP	465072	11.33	367579	13.97	386017	15.43
05 SP-COMPMS	486603	11.33	375115	13.98	430944	15.45
06 SP-COMPMSD	471075	11.33	327460	13.97	392260	15.45
07 ARS20-0006	419729	11.33	296565	13.97	329855	15.43
08 ARS20-0006MS	436550	11.33	327616	13.98	386172	15.44
09 ARS20-0006MSD	431743	11.33	318797	13.98	371438	15.45
10 REGULATOR-BUILDING-GRAVEL	440856	11.33	330892	13.97	286824	15.44
11 SPILL-SITE	482767	11.33	374663	13.97	376397	15.45

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF012725**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166258BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	210	ug/Kg	12				10	133	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	670	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1300	ug/Kg	76				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	5400	ug/Kg	164				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	Total PAH	27200	23400	ug/Kg	86				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF012725**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166258BS	4-Nitrophenol	3300	2800	ug/Kg	85				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	2900	ug/Kg	85				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103		
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99		
	Azobenzene	1700	1400	ug/Kg	82				54	103		
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102		
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98		
	Atrazine	1700	1900	ug/Kg	112				47	152		
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105		
	Phenanthrene	1700	1500	ug/Kg	88				59	103		
	Anthracene	1700	1600	ug/Kg	94				61	105		
	Carbazole	1700	1500	ug/Kg	88				61	99		
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104		
	Fluoranthene	1700	1500	ug/Kg	88				57	107		
	Benzidine	3300	1400	ug/Kg	42				10	98		
	Pyrene	1700	1300	ug/Kg	76				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	820	ug/Kg	48				42	91		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102		
	Chrysene	1700	1400	ug/Kg	82				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135		
	Di-n-octyl phthalate	1700	1900	ug/Kg	112				52	137		
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166258BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF012725

SAS No.: BF012725 SDG NO.: BF012725

Lab File ID: BF141267.D

Lab Sample ID: PB166258BL

Instrument ID: BNA_F

Date Extracted: 01/27/2025

Matrix: (soil/water) Solid

Date Analyzed: 01/27/2025

Level: (low/med) LOW

Time Analyzed: 12:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166258BS	PB166258BS	BF141268.D	01/27/2025
VNJ-237	Q1183-01	BF141269.D	01/27/2025
SP-COMP	Q1187-01	BF141270.D	01/27/2025
SP-COMPMS	Q1187-01MS	BF141271.D	01/27/2025
SP-COMPMSD	Q1187-01MSD	BF141272.D	01/27/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ARS20-0006

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF012725

SAS No.: BF012725 SDG NO.: BF012725

Lab File ID: BF141273.D

Lab Sample ID: Q1169-02

Instrument ID: BNA_F

Date Extracted: 01/27/2025

Matrix: (soil/water) water

Date Analyzed: 01/27/2025

Level: (low/med) LOW

Time Analyzed: 15:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ARS20-0006	Q1169-02	BF141273.D	01/27/2025
ARS20-0006MS	Q1169-02MS	BF141274.D	01/27/2025
ARS20-0006MSD	Q1169-02MSD	BF141275.D	01/27/2025
REGULATOR-BUILDING-GRAVEL	Q1169-04	BF141276.D	01/27/2025
SPILL-SITE	Q1169-06	BF141277.D	01/27/2025

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1169-02MS		Client Sample ID: ARS20-0006MS		DataFile: BF141274.D							
n-Nitrosodimethylamine	500	100	400	ug/L	80				10	130	
Pyridine	500		390	ug/L	78				10	109	
Benzaldehyde	500		56.1	ug/L	11				10	137	
Aniline	500		160	ug/L	32				10	130	
Phenol	500		420	ug/L	84				10	130	
bis(2-Chloroethyl)ether	500		460	ug/L	92				29	141	
2-Chlorophenol	500		480	ug/L	96				23	127	
1,2-Dichlorobenzene	500		390	ug/L	78				61	114	
1,3-Dichlorobenzene	500		360	ug/L	72				65	106	
1,4-Dichlorobenzene	500		370	ug/L	74				55	125	
Benzyl Alcohol	500		490	ug/L	98	*			31	94	
2-Methylphenol	500		490	ug/L	98				37	126	
2,2-oxybis(1-Chloropropane)	500		420	ug/L	84				36	141	
Acetophenone	500		470	ug/L	94				31	164	
3+4-Methylphenols	500		470	ug/L	94				31	127	
N-Nitroso-di-n-propylamine	500		460	ug/L	92				36	147	
Hexachloroethane	500		370	ug/L	74				49	110	
Nitrobenzene	500		440	ug/L	88				62	112	
Isophorone	500		500	ug/L	100				39	146	
2-Nitrophenol	500		510	ug/L	102				30	148	
2,4-Dimethylphenol	500		580	ug/L	116				17	143	
bis(2-Chloroethoxy)methane	500		490	ug/L	98				39	143	
2,4-Dichlorophenol	500		510	ug/L	102				22	146	
1,2,4-Trichlorobenzene	500		440	ug/L	88				66	110	
Benzoic acid	500		440	ug/L	68				10	101	
Naphthalene	500		460	ug/L	92				17	157	
4-Chloroaniline	500		81.8	ug/L	16				10	95	
Hexachlorobutadiene	500		430	ug/L	86				52	125	
Caprolactam	500		400	ug/L	80				10	130	
4-Chloro-3-methylphenol	500		500	ug/L	100				17	148	
2-Methylnaphthalene	500		490	ug/L	98				38	146	
Hexachlorocyclopentadiene	1000		1800	ug/L	180	*			20	153	
2,4,6-Trichlorophenol	500		540	ug/L	108				78	112	
2,4,5-Trichlorophenol	500		520	ug/L	104				71	111	
1,1-Biphenyl	500		520	ug/L	104				38	154	
2-Chloronaphthalene	500		500	ug/L	100				41	145	
2-Nitroaniline	500		500	ug/L	100				39	151	
Dimethylphthalate	500		540	ug/L	108				42	147	
Acenaphthylene	500		540	ug/L	108				40	141	
2,6-Dinitrotoluene	500		510	ug/L	102				43	148	
3-Nitroaniline	500		160	ug/L	32				10	111	
Acenaphthene	500		570	ug/L	114				37	146	
Total PAH	8000		8420	ug/L	105				37	146	
2,4-Dinitrophenol	1000		1100	ug/L	110				14	167	
4-Nitrophenol	1000		990	ug/L	99				10	130	
Dibenzofuran	500		510	ug/L	102				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1040	ug/L	104				50	142	
2,4-Dinitrotoluene	500		530	ug/L	106				50	142	
Diethylphthalate	500		520	ug/L	104				41	148	
4-Chlorophenyl-phenylether	500		520	ug/L	104				38	149	
Fluorene	500		510	ug/L	102				39	144	
4-Nitroaniline	500		460	ug/L	92				27	138	
4,6-Dinitro-2-methylphenol	500		620	ug/L	124				32	175	
N-Nitrosodiphenylamine	500		560	ug/L	112				40	150	
Azobenzene	500		500	ug/L	100				72	112	
4-Bromophenyl-phenylether	500		580	ug/L	116				42	151	
Hexachlorobenzene	500		570	ug/L	114				72	115	
Atrazine	500		680	ug/L	136				20	162	
Pentachlorophenol	1000		1000	ug/L	100				25	139	
Phenanthrene	500		550	ug/L	110				40	147	
Anthracene	500		580	ug/L	116				41	146	
Carbazole	500		540	ug/L	108				37	154	
Di-n-butylphthalate	500		560	ug/L	112				40	151	
Fluoranthene	500		550	ug/L	110				42	146	
Benzydine	1000		180	ug/L	18				10	130	
Pyrene	500		420	ug/L	84				41	149	
Butylbenzylphthalate	500		510	ug/L	102				39	155	
3,3-Dichlorobenzidine	500		190	ug/L	38				10	114	
Benzo(a)anthracene	500		530	ug/L	106				41	147	
Chrysene	500		510	ug/L	102				44	144	
bis(2-Ethylhexyl)phthalate	500		560	ug/L	112				33	160	
Di-n-octyl phthalate	500		660	ug/L	132				36	158	
Benzo(b)fluoranthene	500		550	ug/L	110				40	150	
Benzo(k)fluoranthene	500		500	ug/L	100				40	147	
Benzo(a)pyrene	500		580	ug/L	116				42	147	
Indeno(1,2,3-cd)pyrene	500		540	ug/L	108				30	166	
Dibenz(a,h)anthracene	500		540	ug/L	108				23	172	
Benzo(g,h,i)perylene	500		490	ug/L	98				27	167	
1,2,4,5-Tetrachlorobenzene	500		520	ug/L	104	*			89	102	
1,4-Dioxane	500		350	ug/L	70				38	130	
2,3,4,6-Tetrachlorophenol	500		540	ug/L	108				91	111	
1-Methylnaphthalene	500		470	ug/L	94				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1169-02MSD		Client Sample ID: ARS20-0006MSD		DataFile: BF141275.D							
n-Nitrosodimethylamine	500	100	410	ug/L	82		2		10	130	20
Pyridine	500		390	ug/L	78		0		10	109	20
Benzaldehyde	500		56.5	ug/L	11		0		10	137	20
Aniline	500		170	ug/L	34		6		10	130	20
Phenol	500		430	ug/L	86		2		10	130	20
bis(2-Chloroethyl)ether	500		470	ug/L	94		2		29	141	20
2-Chlorophenol	500		500	ug/L	100		4		23	127	20
1,2-Dichlorobenzene	500		400	ug/L	80		3		61	114	20
1,3-Dichlorobenzene	500		370	ug/L	74		3		65	106	20
1,4-Dichlorobenzene	500		380	ug/L	76		3		55	125	20
Benzyl Alcohol	500		500	ug/L	100	*	2		31	94	20
2-Methylphenol	500		490	ug/L	98		0		37	126	20
2,2-oxybis(1-Chloropropane)	500		430	ug/L	86		2		36	141	20
Acetophenone	500		470	ug/L	94		0		31	164	20
3+4-Methylphenols	500		480	ug/L	96		2		31	127	20
N-Nitroso-di-n-propylamine	500		470	ug/L	94		2		36	147	20
Hexachloroethane	500		370	ug/L	74		0		49	110	20
Nitrobenzene	500		440	ug/L	88		0		62	112	20
Isophorone	500		510	ug/L	102		2		39	146	20
2-Nitrophenol	500		520	ug/L	104		2		30	148	20
2,4-Dimethylphenol	500		600	ug/L	120		3		17	143	20
bis(2-Chloroethoxy)methane	500		500	ug/L	100		2		39	143	20
2,4-Dichlorophenol	500		520	ug/L	104		2		22	146	20
1,2,4-Trichlorobenzene	500		440	ug/L	88		0		66	110	20
Benzoic acid	500		460	ug/L	72		6		10	101	20
Naphthalene	500		460	ug/L	92		0		17	157	20
4-Chloroaniline	500		93.8	ug/L	19		17		10	95	20
Hexachlorobutadiene	500		440	ug/L	88		2		52	125	20
Caprolactam	500		420	ug/L	84		5		10	130	20
4-Chloro-3-methylphenol	500		510	ug/L	102		2		17	148	20
2-Methylnaphthalene	500		490	ug/L	98		0		38	146	20
Hexachlorocyclopentadiene	1000		1800	ug/L	180	*	0		20	153	20
2,4,6-Trichlorophenol	500		540	ug/L	108		0		78	112	20
2,4,5-Trichlorophenol	500		530	ug/L	106		2		71	111	20
1,1-Biphenyl	500		520	ug/L	104		0		38	154	20
2-Chloronaphthalene	500		500	ug/L	100		0		41	145	20
2-Nitroaniline	500		510	ug/L	102		2		39	151	20
Dimethylphthalate	500		550	ug/L	110		2		42	147	20
Acenaphthylene	500		550	ug/L	110		2		40	141	20
2,6-Dinitrotoluene	500		520	ug/L	104		2		43	148	20
3-Nitroaniline	500		170	ug/L	34		6		10	111	20
Acenaphthene	500		580	ug/L	116		2		37	146	20
Total PAH	8000		8580	ug/L	107		2		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		0		14	167	20
4-Nitrophenol	1000		1000	ug/L	100		1		10	130	20
Dibenzofuran	500		530	ug/L	106		4		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1060	ug/L	106		2		50	142	20
2,4-Dinitrotoluene	500		540	ug/L	108		2		50	142	20
Diethylphthalate	500		530	ug/L	106		2		41	148	20
4-Chlorophenyl-phenylether	500		530	ug/L	106		2		38	149	20
Fluorene	500		510	ug/L	102		0		39	144	20
4-Nitroaniline	500		470	ug/L	94		2		27	138	20
4,6-Dinitro-2-methylphenol	500		630	ug/L	126		2		32	175	20
N-Nitrosodiphenylamine	500		580	ug/L	116		4		40	150	20
Azobenzene	500		510	ug/L	102		2		72	112	20
4-Bromophenyl-phenylether	500		590	ug/L	118		2		42	151	20
Hexachlorobenzene	500		580	ug/L	116	*	2		72	115	20
Atrazine	500		700	ug/L	140		3		20	162	20
Pentachlorophenol	1000		1100	ug/L	110		10		25	139	20
Phenanthrene	500		560	ug/L	112		2		40	147	20
Anthracene	500		590	ug/L	118		2		41	146	20
Carbazole	500		550	ug/L	110		2		37	154	20
Di-n-butylphthalate	500		580	ug/L	116		4		40	151	20
Fluoranthene	500		560	ug/L	112		2		42	146	20
Benidine	1000		180	ug/L	18		0		10	130	20
Pyrene	500		430	ug/L	86		2		41	149	20
Butylbenzylphthalate	500		530	ug/L	106		4		39	155	20
3,3-Dichlorobenzidine	500		230	ug/L	46		19		10	114	20
Benzo(a)anthracene	500		540	ug/L	108		2		41	147	20
Chrysene	500		530	ug/L	106		4		44	144	20
bis(2-Ethylhexyl)phthalate	500		570	ug/L	114		2		33	160	20
Di-n-octyl phthalate	500		670	ug/L	134		2		36	158	20
Benzo(b)fluoranthene	500		570	ug/L	114		4		40	150	20
Benzo(k)fluoranthene	500		520	ug/L	104		4		40	147	20
Benzo(a)pyrene	500		590	ug/L	118		2		42	147	20
Indeno(1,2,3-cd)pyrene	500		550	ug/L	110		2		30	166	20
Dibenz(a,h)anthracene	500		550	ug/L	110		2		23	172	20
Benzo(g,h,i)perylene	500		490	ug/L	98		0		27	167	20
1,2,4,5-Tetrachlorobenzene	500		520	ug/L	104	*	0		89	102	20
1,4-Dioxane	500		54.7	ug/L	11	*	146	*	38	130	20
2,3,4,6-Tetrachlorophenol	500		540	ug/L	108		0		91	111	20
1-Methylnaphthalene	500		470	ug/L	94		0		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1187-01MS		Client Sample ID: SP-COMPMS		DataFile: BF141271.D							
n-Nitrosodimethylamine	1100		960	ug/Kg	87				66	124	
Pyridine	1100		930	ug/Kg	85				45	119	
Benzaldehyde	1100		150	ug/Kg	14				10	86	
Aniline	1100		730	ug/Kg	66				10	88	
Phenol	1100		1000	ug/Kg	91				67	126	
bis(2-Chloroethyl)ether	1100		1000	ug/Kg	91				54	125	
2-Chlorophenol	1100		1000	ug/Kg	91				79	107	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		990	ug/Kg	90				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		1000	ug/Kg	91				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		980	ug/Kg	89				65	110	
Acetophenone	1100		990	ug/Kg	90				75	111	
3+4-Methylphenols	1100		960	ug/Kg	87				66	104	
N-Nitroso-di-n-propylamine	1100		980	ug/Kg	89				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		950	ug/Kg	86				70	119	
Isophorone	1100		1000	ug/Kg	91				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		1200	ug/Kg	109				44	135	
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		990	ug/Kg	90				57	103	
Benzoic acid	1100		570	ug/Kg	52				50	104	
Naphthalene	1100		1000	ug/Kg	91				72	110	
4-Chloroaniline	1100		440	ug/Kg	40				10	91	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		880	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	1100		990	ug/Kg	90				57	132	
2-Methylnaphthalene	1100		1000	ug/Kg	91				59	123	
Hexachlorocyclopentadiene	2100		4100	ug/Kg	195	*			10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
1,1-Biphenyl	1100		1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100		1100	ug/Kg	100				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		1000	ug/Kg	91				70	125	
3-Nitroaniline	1100		620	ug/Kg	56				30	99	
Acenaphthene	1100		1100	ug/Kg	100				70	121	
Total PAH	17600		16900	ug/Kg	96				70	121	
2,4-Dinitrophenol	2100		1700	ug/Kg	81				10	155	
4-Nitrophenol	2100		2100	ug/Kg	100				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

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				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95				55	128	
Diethylphthalate	1100		1000	ug/Kg	91				70	112	
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		1000	ug/Kg	91				55	120	
4,6-Dinitro-2-methylphenol	1100		1100	ug/Kg	100				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	2100		1900	ug/Kg	90				47	128	
Phenanthrene	1100		1100	ug/Kg	100				52	128	
Anthracene	1100		1200	ug/Kg	109				62	124	
Carbazole	1100		1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100		1100	ug/Kg	100				69	118	
Fluoranthene	1100		1100	ug/Kg	100				44	125	
Benzydine	2100		1300	ug/Kg	62				10	119	
Pyrene	1100		830	ug/Kg	75				26	142	
Butylbenzylphthalate	1100		990	ug/Kg	90				64	126	
3,3-Dichlorobenzidine	1100		750	ug/Kg	68				33	116	
Benzo(a)anthracene	1100		1000	ug/Kg	91				71	114	
Chrysene	1100		1000	ug/Kg	91				57	121	
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100				42	169	
Di-n-octyl phthalate	1100		1300	ug/Kg	118				23	175	
Benzo(b)fluoranthene	1100		1100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1100		1000	ug/Kg	91				57	134	
Benzo(a)pyrene	1100		1200	ug/Kg	109				70	142	
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1100		1100	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1100		970	ug/Kg	88				24	125	
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100				69	124	
1,4-Dioxane	1100		900	ug/Kg	82				46	112	
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91				69	112	
1-Methylnaphthalene	1100		960	ug/Kg	87				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1187-01MSD	Client Sample ID:	SP-COMPMSD					DataFile:	BF141272.D		
n-Nitrosodimethylamine	1100		980	ug/Kg	89		2		66	124	20
Pyridine	1100		950	ug/Kg	86		1		45	119	20
Benzaldehyde	1100		150	ug/Kg	14		0		10	86	20
Aniline	1100		770	ug/Kg	70		6		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		9		79	107	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		0		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		1		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		0		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		9		47	126	20
2-Methylphenol	1100		1000	ug/Kg	91		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		2		65	110	20
Acetophenone	1100		1000	ug/Kg	91		1		75	111	20
3+4-Methylphenols	1100		990	ug/Kg	90		3		66	104	20
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91		2		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		0		65	117	20
Nitrobenzene	1100		990	ug/Kg	90		5		70	119	20
Isophorone	1100		1100	ug/Kg	100		9		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		0		44	135	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		9		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		9		72	118	20
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91		1		57	103	20
Benzoic acid	1100		660	ug/Kg	60		14		50	104	20
Naphthalene	1100		1000	ug/Kg	91		0		72	110	20
4-Chloroaniline	1100		440	ug/Kg	40		0		10	91	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		9		66	114	20
Caprolactam	1100		950	ug/Kg	86		7		51	134	20
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91		1		57	132	20
2-Methylnaphthalene	1100		1000	ug/Kg	91		0		59	123	20
Hexachlorocyclopentadiene	2100		4100	ug/Kg	195	*	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		9		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1100		1000	ug/Kg	91		0		67	118	20
2-Nitroaniline	1100		1000	ug/Kg	91		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		1000	ug/Kg	91		0		70	125	20
3-Nitroaniline	1100		610	ug/Kg	55		2		30	99	20
Acenaphthene	1100		1100	ug/Kg	100		0		70	121	20
Total PAH	17600		17190	ug/Kg	98		2		70	121	20
2,4-Dinitrophenol	2100		1800	ug/Kg	86		6		10	155	20
4-Nitrophenol	2100		2100	ug/Kg	100		0		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		9		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF012725

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		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95		0		55	128	20
Diethylphthalate	1100		1100	ug/Kg	100		9		70	112	20
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100		9		71	108	20
Fluorene	1100		1000	ug/Kg	91		0		68	116	20
4-Nitroaniline	1100		1000	ug/Kg	91		0		55	120	20
4,6-Dinitro-2-methylphenol	1100		1100	ug/Kg	100		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		1400	ug/Kg	127		0		79	127	20
Pentachlorophenol	2100		1900	ug/Kg	90		0		47	128	20
Phenanthrene	1100		1100	ug/Kg	100		0		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		9		69	118	20
Fluoranthene	1100		1100	ug/Kg	100		0		44	125	20
Benzydine	2100		1400	ug/Kg	67		8		10	119	20
Pyrene	1100		890	ug/Kg	81		8		26	142	20
Butylbenzylphthalate	1100		1000	ug/Kg	91		1		64	126	20
3,3-Dichlorobenzidine	1100		800	ug/Kg	73		7		33	116	20
Benzo(a)anthracene	1100		1100	ug/Kg	100		9		71	114	20
Chrysene	1100		1000	ug/Kg	91		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100		0		42	169	20
Di-n-octyl phthalate	1100		1300	ug/Kg	118		0		23	175	20
Benzo(b)fluoranthene	1100		1000	ug/Kg	91		9		67	121	20
Benzo(k)fluoranthene	1100		1200	ug/Kg	109		18		57	134	20
Benzo(a)pyrene	1100		1200	ug/Kg	109		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1100		1100	ug/Kg	100		0		43	123	20
Benzo(g,h,i)perylene	1100		1000	ug/Kg	91		3		24	125	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		0		69	124	20
1,4-Dioxane	1100		920	ug/Kg	84		2		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		9		69	112	20
1-Methylnaphthalene	1100		990	ug/Kg	90		3		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF012725**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB166258BL	PB166258BL	BF141267.D	2-Fluorophenol	150	116.01	77		18	112
			Phenol-d6	150	113.27	76		15	107
			Nitrobenzene-d5	100	79.45	79		18	107
			2-Fluorobiphenyl	100	82.11	82		20	109
			2,4,6-Tribromophenol	150	130.18	87		10	116
			Terphenyl-d14	100	75.22	75		10	105
PB166258BS	PB166258BS	BF141268.D	2-Fluorophenol	150	113.55	76		18	112
			Phenol-d6	150	111.93	75		15	107
			Nitrobenzene-d5	100	78.70	79		18	107
			2-Fluorobiphenyl	100	81.63	82		20	109
			2,4,6-Tribromophenol	150	128.03	85		10	116
			Terphenyl-d14	100	80.49	80		10	105
Q1183-01	VNJ-237	BF141269.D	2-Fluorophenol	150	0.68	0	*	18	112
			Phenol-d6	150	24.28	16		15	107
			Nitrobenzene-d5	100	52.24	52		18	107
			2-Fluorobiphenyl	100	57.32	57		20	109
			2,4,6-Tribromophenol	150	0.10	0	*	10	116
			Terphenyl-d14	100	44.74	45		10	105
Q1187-01	SP-COMP	BF141270.D	2-Fluorophenol	150	121.20	81		18	112
			Phenol-d6	150	118.97	79		15	107
			Nitrobenzene-d5	100	84.03	84		18	107
			2-Fluorobiphenyl	100	86.30	86		20	109
			2,4,6-Tribromophenol	150	117.71	78		10	116
			Terphenyl-d14	100	70.11	70		10	105
Q1187-01MS	SP-COMPMS	BF141271.D	2-Fluorophenol	150	103.14	69		18	112
			Phenol-d6	150	101.04	67		15	107
			Nitrobenzene-d5	100	71.96	72		18	107
			2-Fluorobiphenyl	100	77.58	78		20	109
			2,4,6-Tribromophenol	150	114.08	76		10	116
			Terphenyl-d14	100	61.61	62		10	105
Q1187-01MSD	SP-COMPMSD	BF141272.D	2-Fluorophenol	150	105.08	70		18	112
			Phenol-d6	150	104.26	70		15	107
			Nitrobenzene-d5	100	74.70	75		18	107
			2-Fluorobiphenyl	100	78.61	79		20	109
			2,4,6-Tribromophenol	150	116.01	77		10	116
			Terphenyl-d14	100	66.71	67		10	105

Surrogate Summary

SW-846

SDG No.: **BF012725**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
Q1169-02	ARS20-0006	BF141273.D	2-Fluorophenol	150	142.29	95		10	139
			Phenol-d6	150	134.29	90		10	134
			Nitrobenzene-d5	100	100.99	101		49	133
			2-Fluorobiphenyl	100	104.91	105		52	132
			2,4,6-Tribromophenol	150	163.41	109		44	137
			Terphenyl-d14	100	93.06	93		48	125
Q1169-02MS	ARS20-0006MS	BF141274.D	2-Fluorophenol	150	124.36	83		10	139
			Phenol-d6	150	118.56	79		10	134
			Nitrobenzene-d5	100	91.80	92		49	133
			2-Fluorobiphenyl	100	98.32	98		52	132
			2,4,6-Tribromophenol	150	148.11	99		44	137
			Terphenyl-d14	100	80.19	80		48	125
Q1169-02MSD	ARS20-0006MSD	BF141275.D	2-Fluorophenol	150	126.16	84		10	139
			Phenol-d6	150	121.17	81		10	134
			Nitrobenzene-d5	100	91.94	92		49	133
			2-Fluorobiphenyl	100	98.80	99		52	132
			2,4,6-Tribromophenol	150	151.56	101		44	137
			Terphenyl-d14	100	83.80	84		48	125
Q1169-04	REGULATOR-BUI	BF141276.D	2-Fluorophenol	150	118.40	79		10	139
			Phenol-d6	150	112.45	75		10	134
			Nitrobenzene-d5	100	82.15	82		49	133
			2-Fluorobiphenyl	100	89.34	89		52	132
			2,4,6-Tribromophenol	150	146.44	98		44	137
			Terphenyl-d14	100	83.13	83		48	125
Q1169-06	SPILL-SITE	BF141277.D	2-Fluorophenol	150	130.03	87		10	139
			Phenol-d6	150	124.67	83		10	134
			Nitrobenzene-d5	100	92.03	92		49	133
			2-Fluorobiphenyl	100	95.32	95		52	132
			2,4,6-Tribromophenol	150	153.32	102		44	137
			Terphenyl-d14	100	77.30	77		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF012725

Lab Code: CHEM

SAS No.: BF012725

SDG NO.: BF012725

Lab File ID: BF141265.D

DFTPP Injection Date: 01/27/2025

Instrument ID: BNA_F

DFTPP Injection Time: 11:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.6
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	41.4
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	5.8
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141266.D	01/27/2025	11:59
PB166258BL	PB166258BL	BF141267.D	01/27/2025	12:47
PB166258BS	PB166258BS	BF141268.D	01/27/2025	13:13
VNJ-237	Q1183-01	BF141269.D	01/27/2025	13:45
SP-COMP	Q1187-01	BF141270.D	01/27/2025	14:11
SP-COMPMS	Q1187-01MS	BF141271.D	01/27/2025	14:38
SP-COMPMSD	Q1187-01MSD	BF141272.D	01/27/2025	15:05
ARS20-0006	Q1169-02	BF141273.D	01/27/2025	15:31
ARS20-0006MS	Q1169-02MS	BF141274.D	01/27/2025	15:58
ARS20-0006MSD	Q1169-02MSD	BF141275.D	01/27/2025	16:24
REGULATOR-BUILDING-GRAVEL	Q1169-04	BF141276.D	01/27/2025	16:51
SPILL-SITE	Q1169-06	BF141277.D	01/27/2025	17:18