

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF011725 SAS No.: BF011725 SDG No.: BF011725
Instrument ID: BNA_F Calibration Date/Time: 1/17/2025 1:15:25
Lab File ID: BF141193.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	0.655		-5.21	
Pyridine	1.414	1.291		-8.699	
2-Fluorophenol	1.295	1.202		-7.181	
Benzaldehyde	0.966	1.069		10.663	
Aniline	1.456	1.293		-11.195	
Phenol-d6	1.640	1.524		-7.073	
Phenol	1.756	1.631		-7.118	20.0
bis(2-Chloroethyl) ether	1.308	1.234		-5.657	
2-Chlorophenol	1.389	1.294		-6.839	
1,2-Dichlorobenzene	1.456	1.385		-4.876	
1,3-Dichlorobenzene	1.549	1.451		-6.327	
1,4-Dichlorobenzene	1.561	1.477		-5.381	20.0
Benzyl Alcohol	1.184	1.142		-3.547	
2-Methylphenol	1.121	1.053		-6.066	
2,2-oxybis(1-Chloropropane)	1.826	1.695		-7.174	
Acetophenone	0.475	0.446		-6.105	
3+4-Methylphenols	1.415	1.338		-5.442	
n-Nitroso-di-n-propylamine	0.966	0.909	0.050	-5.901	
Nitrobenzene-d5	0.377	0.350		-7.162	
Hexachloroethane	0.565	0.537		-4.956	
Nitrobenzene	0.393	0.363		-7.634	
Isophorone	0.645	0.612		-5.116	
2-Nitrophenol	0.179	0.165		-7.821	20.0
2,4-Dimethylphenol	0.241	0.223		-7.469	
bis(2-Chloroethoxy) methane	0.405	0.382		-5.679	
2,4-Dichlorophenol	0.287	0.272		-5.226	20.0
1,2,4-Trichlorobenzene	0.328	0.310		-5.488	
Benzoic acid	0.231	0.217		-6.061	
Naphthalene	1.055	0.987		-6.445	
4-Chloroaniline	0.365	0.319		-12.603	
Hexachlorobutadiene	0.197	0.188		-4.569	20.0
Caprolactam	0.094	0.091		-3.191	
4-Chloro-3-methylphenol	0.313	0.299		-4.473	20.0
2-Methylnaphthalene	0.672	0.631		-6.101	
Hexachlorocyclopentadiene	0.188	0.187	0.050	-0.532	
2,4,6-Trichlorophenol	0.387	0.363		-6.202	20.0
2-Fluorobiphenyl	1.310	1.195		-8.779	
2,4,5-Trichlorophenol	0.409	0.380		-7.09	
1,1-Biphenyl	1.553	1.427		-8.113	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF011725 SAS No.: BF011725 SDG No.: BF011725

Instrument ID: BNA_F Calibration Date/Time: 1/17/2025 1:15:25

Lab File ID: BF141193.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	1.116		-7.769	
2-Nitroaniline	0.359	0.328		-8.635	
Dimethylphthalate	1.343	1.278		-4.84	
Acenaphthylene	1.728	1.613		-6.655	
2,6-Dinitrotoluene	0.312	0.291		-6.731	
3-Nitroaniline	0.317	0.291		-8.202	
Acenaphthene	1.208	1.125		-6.871	20.0
2,4-Dinitrophenol	0.148	0.142	0.050	-4.054	
4-Nitrophenol	0.248	0.233	0.050	-6.048	
Dibenzofuran	1.642	1.535		-6.516	
2,4-Dinitrotoluene	0.402	0.389		-3.234	
Diethylphthalate	1.311	1.276		-2.67	
4-Chlorophenyl-phenylether	0.622	0.593		-4.662	
Fluorene	1.276	1.199		-6.034	
4-Nitroaniline	0.311	0.301		-3.215	
4,6-Dinitro-2-methylphenol	0.116	0.121		4.31	
n-Nitrosodiphenylamine	0.645	0.614		-4.806	20.0
Azobenzene	1.293	1.228		-5.027	
2,4,6-Tribromophenol	0.228	0.221		-3.07	
4-Bromophenyl-phenylether	0.230	0.227		-1.304	
Hexachlorobenzene	0.256	0.251		-1.953	
Atrazine	0.174	0.199		14.368	
Pentachlorophenol	0.164	0.164		0.0	20.0
Phenanthrene	1.074	1.041		-3.073	
Anthracene	1.044	1.016		-2.682	
Carbazole	0.957	0.931		-2.717	
Di-n-butylphthalate	1.096	1.138		3.832	
Fluoranthene	1.071	1.078		0.654	20.0
Benzidine	0.371	0.268		-27.763	
Pyrene	1.910	1.693		-11.361	
Terphenyl-d14	1.346	1.233		-8.395	
Butylbenzylphthalate	0.637	0.642		0.785	
3,3-Dichlorobenzidine	0.433	0.369		-14.781	
Benzo(a)anthracene	1.361	1.256		-7.715	
Chrysene	1.274	1.111		-12.794	
Bis(2-ethylhexyl)phthalate	0.764	0.784		2.618	
Di-n-octyl phthalate	1.154	1.177		1.993	20.0
Benzo(b)fluoranthene	1.290	1.241		-3.798	
Benzo(k)fluoranthene	1.090	1.048		-3.853	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF011725 SAS No.: BF011725 SDG No.: BF011725

Instrument ID: BNA_F Calibration Date/Time: 1/17/2025 1:15:25

Lab File ID: BF141193.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	1.022		-3.947	20.0
Indeno(1,2,3-cd)pyrene	1.465	1.325		-9.556	
Dibenzo(a,h)anthracene	1.185	1.080		-8.861	
Benzo(g,h,i)perylene	1.233	1.096		-11.111	
1,2,4,5-Tetrachlorobenzene	0.574	0.532		-7.317	
1,4-Dioxane	0.577	0.521		-9.705	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.325		-4.412	
1-Methylnaphthalene	0.662	0.622		-6.042	

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	1/17/2025 12:00:00 AM	
Project:				Date Received:	1/17/2025 12:00:00 AM	
Client Sample ID:	PB166097BL			SDG No.:	BF011725	
Lab Sample ID:	PB166097BL			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
BF141194.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

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

Report of Analysis

Client:		Date Collected:	1/17/2025 12:00:00 AM
Project:		Date Received:	1/17/2025 12:00:00 AM
Client Sample ID:	PB166097BL	SDG No.:	BF011725
Lab Sample ID:	PB166097BL	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
BF141194.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

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

Report of Analysis

Client:		Date Collected:	1/17/2025 12:00:00 AM
Project:		Date Received:	1/17/2025 12:00:00 AM
Client Sample ID:	PB166097BL	SDG No.:	BF011725
Lab Sample ID:	PB166097BL	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
BF141194.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.161		18-112		78	SPK: -150
13127-88-3	Phenol-d6	115.697		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	80.077		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	79.209		20-109		79	SPK: -100

Report of Analysis

Client:		Date Collected:	1/17/2025 12:00:00 AM
Project:		Date Received:	1/17/2025 12:00:00 AM
Client Sample ID:	PB166097BL	SDG No.:	BF011725
Lab Sample ID:	PB166097BL	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
BF141194.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.538		10-116		84	SPK: -150
1718-51-0	Terphenyl-d14	72.906		10-105		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	192217	6.81				
1146-65-2	Naphthalene-d8	782624	8.086				
15067-26-2	Acenaphthene-d10	428613	9.839				
1517-22-2	Phenanthrene-d10	746936	11.327				
1719-03-5	Chrysene-d12	558933	13.963				
1520-96-3	Perylene-d12	453032	15.421				
TENTATIVE IDENTIFIED COMPOUNDS							
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	75	J			12.739	
000123-95-5	Octadecanoic acid, butyl ester	70.3	J			13.445	

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
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
BF141195.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	71.8	U	71.8	220	270	ug/Kg
110-86-1	Pyridine	66.1	U	66.1	110	140	ug/Kg
100-52-7	Benzaldehyde	150	U	150	220	270	ug/Kg
62-53-3	Aniline	80.2	U	80.2	110	140	ug/Kg
108-95-2	Phenol	68.6	U	68.6	110	140	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	69.2	U	69.2	110	140	ug/Kg
95-57-8	2-Chlorophenol	69.1	U	69.1	110	140	ug/Kg
95-50-1	1,2-Dichlorobenzene	70	U	70	110	140	ug/Kg
541-73-1	1,3-Dichlorobenzene	71.1	U	71.1	110	140	ug/Kg
106-46-7	1,4-Dichlorobenzene	71.6	U	71.6	110	140	ug/Kg
100-51-6	Benzyl Alcohol	68.7	U	68.7	220	270	ug/Kg
95-48-7	2-Methylphenol	66.7	U	66.7	110	140	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	75.2	U	75.2	110	140	ug/Kg
98-86-2	Acetophenone	71.9	U	71.9	110	140	ug/Kg
65794-96-9	3+4-Methylphenols	66	U	66	220	270	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	33.3	U	33.3	66.2	66.2	ug/Kg
67-72-1	Hexachloroethane	68.7	U	68.7	110	140	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	110	140	ug/Kg
78-59-1	Isophorone	70	U	70	110	140	ug/Kg
88-75-5	2-Nitrophenol	78.2	U	78.2	110	140	ug/Kg
105-67-9	2,4-Dimethylphenol	77.1	U	77.1	110	140	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71	U	71	110	140	ug/Kg
120-83-2	2,4-Dichlorophenol	62.5	U	62.5	110	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	70.6	U	70.6	110	140	ug/Kg
65-85-0	Benzoic acid	200	U	200	220	270	ug/Kg
91-20-3	Naphthalene	68.3	U	68.3	110	140	ug/Kg
106-47-8	4-Chloroaniline	68.3	U	68.3	110	140	ug/Kg
87-68-3	Hexachlorobutadiene	68.9	U	68.9	110	140	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
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
BF141195.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	71.8	U	71.8	220	270	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.1	U	64.1	110	140	ug/Kg
91-57-6	2-Methylnaphthalene	68.2	U	68.2	110	140	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	220	270	ug/Kg
88-06-2	2,4,6-Trichlorophenol	59.1	U	59.1	110	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.2	U	61.2	110	140	ug/Kg
92-52-4	1,1-Biphenyl	72.3	U	72.3	110	140	ug/Kg
91-58-7	2-Chloronaphthalene	68.9	U	68.9	110	140	ug/Kg
88-74-4	2-Nitroaniline	78.6	U	78.6	110	140	ug/Kg
131-11-3	Dimethylphthalate	67.6	U	67.6	110	140	ug/Kg
208-96-8	Acenaphthylene	71.6	U	71.6	110	140	ug/Kg
606-20-2	2,6-Dinitrotoluene	68.8	U	68.8	110	140	ug/Kg
99-09-2	3-Nitroaniline	73.8	U	73.8	110	140	ug/Kg
83-32-9	Acenaphthene	67.1	U	67.1	110	140	ug/Kg
Total PAH	Total PAH	1096.3	U	1096.3	110	2240	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	220	270	ug/Kg
100-02-7	4-Nitrophenol	96	U	96	220	270	ug/Kg
132-64-9	Dibenzofuran	69.8	U	69.8	110	140	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	140.1	U	140.1	110	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	71.3	U	71.3	110	140	ug/Kg
84-66-2	Diethylphthalate	66.3	U	66.3	110	140	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	70.8	U	70.8	110	140	ug/Kg
86-73-7	Fluorene	70.7	U	70.7	110	140	ug/Kg
100-01-6	4-Nitroaniline	88.5	U	88.5	110	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	96.8	U	96.8	220	270	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.5	U	67.5	110	140	ug/Kg
103-33-3	Azobenzene	65.8	U	65.8	110	140	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.3	U	65.3	110	140	ug/Kg
118-74-1	Hexachlorobenzene	70.3	U	70.3	110	140	ug/Kg
1912-24-9	Atrazine	75.6	U	75.6	110	140	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
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
BF141195.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	63.9	U	63.9	220	270	ug/Kg
85-01-8	Phenanthrene	69.5	U	69.5	110	140	ug/Kg
120-12-7	Anthracene	69.8	U	69.8	110	140	ug/Kg
86-74-8	Carbazole	66.4	U	66.4	110	140	ug/Kg
84-74-2	Di-n-butylphthalate	69.7	U	69.7	110	140	ug/Kg
206-44-0	Fluoranthene	67.6	U	67.6	110	140	ug/Kg
92-87-5	Benzidine	130	U	130	220	270	ug/Kg
129-00-0	Pyrene	68.7	U	68.7	110	140	ug/Kg
85-68-7	Butylbenzylphthalate	80.1	U	80.1	110	140	ug/Kg
91-94-1	3,3-Dichlorobenzidine	81.6	U	81.6	220	270	ug/Kg
56-55-3	Benzo(a)anthracene	66.8	U	66.8	110	140	ug/Kg
218-01-9	Chrysene	65.8	U	65.8	110	140	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75.3	U	75.3	110	140	ug/Kg
117-84-0	Di-n-octyl phthalate	91	U	91	220	270	ug/Kg
205-99-2	Benzo(b)fluoranthene	67.1	U	67.1	110	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	68.3	U	68.3	110	140	ug/Kg
50-32-8	Benzo(a)pyrene	76.9	U	76.9	110	140	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.6	U	64.6	110	140	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.2	U	67.2	110	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	66.3	U	66.3	110	140	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	71.8	U	71.8	110	140	ug/Kg
123-91-1	1,4-Dioxane	91	U	91	110	140	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61.8	U	61.8	110	140	ug/Kg
90-12-0	1-Methylnaphthalene	68.8	U	68.8	140	140	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.744		18-112		84	SPK: -150
13127-88-3	Phenol-d6	125.111		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	85.979		18-107		86	SPK: -100
321-60-8	2-Fluorobiphenyl	79.342		20-109		79	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
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
BF141195.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.557		10-116		92	SPK: -150
1718-51-0	Terphenyl-d14	78.352		10-105		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	188431	6.81				
1146-65-2	Naphthalene-d8	755853	8.093				
15067-26-2	Acenaphthene-d10	409170	9.839				
1517-22-2	Phenanthrene-d10	692554	11.328				
1719-03-5	Chrysene-d12	386575	13.963				
1520-96-3	Perylene-d12	422556	15.421				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	120	J			2.211	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			5.04	
001119-40-0	Pentanedioic acid, dimethyl ester	74.2	J			7.628	
000119-61-9	Benzophenone	170	J			10.557	
000057-10-3	n-Hexadecanoic acid	540	J			11.863	
000057-11-4	Octadecanoic acid	410	J			12.645	
1000406-04-5	Pentadecafluorooctanoic acid, pent	110	J			13.816	
000629-94-7	Heneicosane	56.3	J			14.757	
007098-22-8	Tetratetracontane	130	J			15.092	
000629-78-7	Heptadecane	120	J			15.898	
000593-49-7	Heptacosane	120	J			16.404	
000630-02-4	Octacosane	110	J			16.992	
000629-92-5	Nonadecane	110	J			17.686	

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BF011725
Lab Sample ID:	Q1103-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141196.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.2	U	56.2	170	210	ug/Kg
110-86-1	Pyridine	51.8	U	51.8	84.2	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.8	U	62.8	84.2	110	ug/Kg
108-95-2	Phenol	53.7	U	53.7	84.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.2	U	54.2	84.2	110	ug/Kg
95-57-8	2-Chlorophenol	54.1	U	54.1	84.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.8	U	54.8	84.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.7	U	55.7	84.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56	U	56	84.2	110	ug/Kg
100-51-6	Benzyl Alcohol	53.8	U	53.8	170	210	ug/Kg
95-48-7	2-Methylphenol	52.2	U	52.2	84.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.9	U	58.9	84.2	110	ug/Kg
98-86-2	Acetophenone	56.3	U	56.3	84.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.7	U	51.7	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.1	U	26.1	51.8	51.8	ug/Kg
67-72-1	Hexachloroethane	53.8	U	53.8	84.2	110	ug/Kg
98-95-3	Nitrobenzene	58.8	U	58.8	84.2	110	ug/Kg
78-59-1	Isophorone	54.8	U	54.8	84.2	110	ug/Kg
88-75-5	2-Nitrophenol	61.2	U	61.2	84.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.4	U	60.4	84.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.6	U	55.6	84.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.9	U	48.9	84.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.3	U	55.3	84.2	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53.5	U	53.5	84.2	110	ug/Kg
106-47-8	4-Chloroaniline	53.5	U	53.5	84.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	54	U	54	84.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BF011725
Lab Sample ID:	Q1103-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141196.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.2	U	56.2	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.2	U	50.2	84.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.4	U	53.4	84.2	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	84.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.9	U	47.9	84.2	110	ug/Kg
92-52-4	1,1-Biphenyl	56.6	U	56.6	84.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	84.2	110	ug/Kg
88-74-4	2-Nitroaniline	61.5	U	61.5	84.2	110	ug/Kg
131-11-3	Dimethylphthalate	52.9	U	52.9	84.2	110	ug/Kg
208-96-8	Acenaphthylene	56	U	56	84.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	84.2	110	ug/Kg
99-09-2	3-Nitroaniline	57.8	U	57.8	84.2	110	ug/Kg
83-32-9	Acenaphthene	52.5	U	52.5	84.2	110	ug/Kg
Total PAH	Total PAH	1876.4	U	858.3	84.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	75.1	U	75.1	170	210	ug/Kg
132-64-9	Dibenzofuran	54.7	U	54.7	84.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.8	U	55.8	84.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.7	U	109.7	84.2	220	ug/Kg
84-66-2	Diethylphthalate	51.9	U	51.9	84.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.4	U	55.4	84.2	110	ug/Kg
86-73-7	Fluorene	55.4	U	55.4	84.2	110	ug/Kg
100-01-6	4-Nitroaniline	69.3	U	69.3	84.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.8	U	75.8	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.9	U	52.9	84.2	110	ug/Kg
103-33-3	Azobenzene	51.6	U	51.6	84.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.1	U	51.1	84.2	110	ug/Kg
118-74-1	Hexachlorobenzene	55.1	U	55.1	84.2	110	ug/Kg
1912-24-9	Atrazine	59.2	U	59.2	84.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BF011725
Lab Sample ID:	Q1103-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141196.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.1	U	50.1	170	210	ug/Kg
85-01-8	Phenanthrene	86.4	J	54.4	84.2	110	ug/Kg
120-12-7	Anthracene	54.7	U	54.7	84.2	110	ug/Kg
86-74-8	Carbazole	52	U	52	84.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.6	U	54.6	84.2	110	ug/Kg
206-44-0	Fluoranthene	490		52.9	84.2	110	ug/Kg
92-87-5	Benzidine	110	U	110	170	210	ug/Kg
129-00-0	Pyrene	360		53.8	84.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.7	U	62.7	84.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.9	U	63.9	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	140		52.3	84.2	110	ug/Kg
218-01-9	Chrysene	250		51.5	84.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.9	U	58.9	84.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.3	U	71.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	300		52.5	84.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	120		53.5	84.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	130		60.2	84.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.6	U	50.6	84.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.6	U	52.6	84.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.9	U	51.9	84.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.2	U	56.2	84.2	110	ug/Kg
123-91-1	1,4-Dioxane	71.3	U	71.3	84.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.4	U	48.4	84.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.9	U	53.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.231		18-112		51	SPK: -150
13127-88-3	Phenol-d6	75.51		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	53.784		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	54.467		20-109		54	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BF011725
Lab Sample ID:	Q1103-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141196.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	74.996		10-116		50	SPK: -150
1718-51-0	Terphenyl-d14	45.714		10-105		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	200999	6.81				
1146-65-2	Naphthalene-d8	789580	8.092				
15067-26-2	Acenaphthene-d10	418256	9.839				
1517-22-2	Phenanthrene-d10	620970	11.328				
1719-03-5	Chrysene-d12	384766	13.969				
1520-96-3	Perylene-d12	408019	15.421				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			5.022	
000119-61-9	Benzophenone	210	J			10.557	
000244-99-5	5H-Indeno[1,2-b]pyridine	43.4	J			11.557	
000057-10-3	n-Hexadecanoic acid	250	J			11.857	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	46.6	J			11.939	
000057-11-4	Octadecanoic acid	110	J			12.645	
002381-21-7	Pyrene, 1-methyl-	47.9	J			13.08	
000479-79-8	11H-Benzo[a]fluoren-11-one	45.1	J			13.604	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	46.4	J			13.716	
000082-05-3	7H-Benz[de]anthracen-7-one	53.3	J			13.81	
000629-92-5	Nonadecane	66.3	J			15.086	
000192-97-2	Benzo[e]pyrene	160	J			15.298	
000629-94-7	Heneicosane	65.4	J			15.898	

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-02	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
BF141197.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-02	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
BF141197.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-02	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
BF141197.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	114.946		10-139		77	SPK: -150
13127-88-3	Phenol-d6	104.826		10-134		70	SPK: -150
4165-60-0	Nitrobenzene-d5	86.838		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	84.615		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366	SDG No.:	BF011725
Lab Sample ID:	Q1115-02	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
BF141197.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.179		44-137		91	SPK: -150
1718-51-0	Terphenyl-d14	77.049		48-125		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	190013	6.81				
1146-65-2	Naphthalene-d8	745324	8.092				
15067-26-2	Acenaphthene-d10	399267	9.839				
1517-22-2	Phenanthrene-d10	633641	11.327				
1719-03-5	Chrysene-d12	393943	13.968				
1520-96-3	Perylene-d12	392840	15.427				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MS	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MS	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
BF141198.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	230		15.5	40	50	ug/L
100-52-7	Benzaldehyde	57.6	J	40	80	100	ug/L
62-53-3	Aniline	71.5		16	40	50	ug/L
108-95-2	Phenol	380		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	430		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	440		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	390		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	390		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	370		16	80	100	ug/L
95-48-7	2-Methylphenol	440		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	430		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	420		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	440		14.8	25	25	ug/L
67-72-1	Hexachloroethane	400		10.1	40	50	ug/L
98-95-3	Nitrobenzene	400		12.7	40	50	ug/L
78-59-1	Isophorone	450		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	450		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	520		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	420		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	450		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	400		11	40	50	ug/L
65-85-0	Benzoic acid	390		54.7	80	100	ug/L
91-20-3	Naphthalene	410		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	28.5	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	410		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MS	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MS	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
BF141198.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	350		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	440		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1400	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	440		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	440		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	430		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	410		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	460		9.3	40	50	ug/L
208-96-8	Acenaphthylene	450		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	430		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	28.6	J	13.7	40	50	ug/L
83-32-9	Acenaphthene	480		8.1	40	50	ug/L
Total PAH	Total PAH	6820		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	880	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	730		20	80	100	ug/L
132-64-9	Dibenzofuran	440		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	880		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	450		15.2	40	50	ug/L
84-66-2	Diethylphthalate	450		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	440		9.8	40	50	ug/L
86-73-7	Fluorene	430		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	250		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	500		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	270		8.9	40	50	ug/L
103-33-3	Azobenzene	410		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	500		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	480		11.4	40	50	ug/L
1912-24-9	Atrazine	240		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MS	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MS	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
BF141198.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	870	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	460		8.9	40	50	ug/L
120-12-7	Anthracene	480		10.7	40	50	ug/L
86-74-8	Carbazole	310		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		14.7	40	50	ug/L
206-44-0	Fluoranthene	400		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	380		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	460		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	440		9.4	40	50	ug/L
218-01-9	Chrysene	440		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	490		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	550		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	490		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	510		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	510		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	330		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	340		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	270		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	440		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	460		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	410		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119.245		10-139		79	SPK: -150
13127-88-3	Phenol-d6	113.548		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	86.909		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	86.005		52-132		86	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MS	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MS	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
BF141198.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.244		44-137		90	SPK: -150
1718-51-0	Terphenyl-d14	76.167		48-125		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	202186	6.81				
1146-65-2	Naphthalene-d8	804021	8.092				
15067-26-2	Acenaphthene-d10	425124	9.845				
1517-22-2	Phenanthrene-d10	665752	11.333				
1719-03-5	Chrysene-d12	383734	13.968				
1520-96-3	Perylene-d12	396719	15.427				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MSD	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141199.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	230		15.5	40	50	ug/L
100-52-7	Benzaldehyde	58.1	J	40	80	100	ug/L
62-53-3	Aniline	58.4		16	40	50	ug/L
108-95-2	Phenol	380		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	430		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	460		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	390		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	390		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	350		16	80	100	ug/L
95-48-7	2-Methylphenol	440		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	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	430		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	450		14.8	25	25	ug/L
67-72-1	Hexachloroethane	400		10.1	40	50	ug/L
98-95-3	Nitrobenzene	410		12.7	40	50	ug/L
78-59-1	Isophorone	460		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	470		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	530		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	420		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	460		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	410		11	40	50	ug/L
65-85-0	Benzoic acid	410		54.7	80	100	ug/L
91-20-3	Naphthalene	420		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	21.1	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	410		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MSD	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141199.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	360		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	450		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	440		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1500	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	480		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	450		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	450		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	430		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	410		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	480		9.3	40	50	ug/L
208-96-8	Acenaphthylene	470		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	450		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	26.1	J	13.7	40	50	ug/L
83-32-9	Acenaphthene	500		8.1	40	50	ug/L
Total PAH	Total PAH	7060		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	940	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	720		20	80	100	ug/L
132-64-9	Dibenzofuran	450		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	470		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	420		27.6	40	100	ug/L
84-66-2	Diethylphthalate	470		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	450		9.8	40	50	ug/L
86-73-7	Fluorene	440		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	230		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	530		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	230		8.9	40	50	ug/L
103-33-3	Azobenzene	420		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	510		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	490		11.4	40	50	ug/L
1912-24-9	Atrazine	170		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MSD	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141199.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	910	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	480		8.9	40	50	ug/L
120-12-7	Anthracene	490		10.7	40	50	ug/L
86-74-8	Carbazole	260		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	510		14.7	40	50	ug/L
206-44-0	Fluoranthene	410		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	380		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	460		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	440		9.4	40	50	ug/L
218-01-9	Chrysene	430		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	510		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	550		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	520		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	550		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	540		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	350		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	360		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	280		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	360		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	480		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	420		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.848		10-139		81	SPK: -150
13127-88-3	Phenol-d6	114.009		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	88.848		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	88.414		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	366MSD	SDG No.:	BF011725
Lab Sample ID:	Q1115-02MSD	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
BF141199.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.676		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	77.837		48-125		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	194434	6.81				
1146-65-2	Naphthalene-d8	769284	8.092				
15067-26-2	Acenaphthene-d10	402350	9.845				
1517-22-2	Phenanthrene-d10	637405	11.333				
1719-03-5	Chrysene-d12	374444	13.974				
1520-96-3	Perylene-d12	360435	15.427				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	BF011725
Lab Sample ID:	Q1115-05	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
BF141200.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	BF011725
Lab Sample ID:	Q1115-05	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
BF141200.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	BF011725
Lab Sample ID:	Q1115-05	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
BF141200.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	114.367		10-139		76	SPK: -150
13127-88-3	Phenol-d6	101.797		10-134		68	SPK: -150
4165-60-0	Nitrobenzene-d5	86.832		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	85.286		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	BF011725
Lab Sample ID:	Q1115-05	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
BF141200.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.827		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	84.574		48-125		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	194466	6.81				
1146-65-2	Naphthalene-d8	776667	8.092				
15067-26-2	Acenaphthene-d10	415381	9.839				
1517-22-2	Phenanthrene-d10	680401	11.327				
1719-03-5	Chrysene-d12	415705	13.968				
1520-96-3	Perylene-d12	400012	15.421				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-08	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
BF141201.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-08	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
BF141201.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-08	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
BF141201.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	126.337		10-139		84	SPK: -150
13127-88-3	Phenol-d6	118.612		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	90.677		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	89.981		52-132		90	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-08	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
BF141201.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.47		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	87.36		48-125		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	191494	6.81				
1146-65-2	Naphthalene-d8	760379	8.086				
15067-26-2	Acenaphthene-d10	407176	9.839				
1517-22-2	Phenanthrene-d10	640808	11.327				
1719-03-5	Chrysene-d12	377870	13.968				
1520-96-3	Perylene-d12	383240	15.427				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-11	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
BF141202.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-11	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
BF141202.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-11	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
BF141202.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	117.947		10-139		79	SPK: -150
13127-88-3	Phenol-d6	92.492		10-134		62	SPK: -150
4165-60-0	Nitrobenzene-d5	89.607		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	106.737		52-132		107	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-11	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
BF141202.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	174.395		44-137		116	SPK: -150
1718-51-0	Terphenyl-d14	95.676		48-125		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	194974	6.81				
1146-65-2	Naphthalene-d8	773923	8.086				
15067-26-2	Acenaphthene-d10	337549	9.839				
1517-22-2	Phenanthrene-d10	645304	11.327				
1719-03-5	Chrysene-d12	352535	13.968				
1520-96-3	Perylene-d12	106273	15.421				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	FILTER CAKE	SDG No.:	BF011725
Lab Sample ID:	Q1119-01	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
BF141203.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	54.5		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	98.8	J	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	910	E	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	170		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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	FILTER CAKE	SDG No.:	BF011725
Lab Sample ID:	Q1119-01	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
BF141203.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	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:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	FILTER CAKE	SDG No.:	BF011725
Lab Sample ID:	Q1119-01	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
BF141203.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

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	34.7	J	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	111.599		10-139		74	SPK: -150
13127-88-3	Phenol-d6	110.276		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	77.201		49-133		77	SPK: -100
321-60-8	2-Fluorobiphenyl	71.219		52-132		71	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	FILTER CAKE	SDG No.:	BF011725
Lab Sample ID:	Q1119-01	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
BF141203.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.099		44-137		81	SPK: -150
1718-51-0	Terphenyl-d14	43.251	*	48-125		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	182887	6.816				
1146-65-2	Naphthalene-d8	728487	8.092				
15067-26-2	Acenaphthene-d10	369683	9.845				
1517-22-2	Phenanthrene-d10	525547	11.327				
1719-03-5	Chrysene-d12	373282	13.974				
1520-96-3	Perylene-d12	384366	15.433				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BF141204.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	63.1	U	63.1	200	240	ug/Kg
110-86-1	Pyridine	58.1	U	58.1	94.5	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	70.5	U	70.5	94.5	120	ug/Kg
108-95-2	Phenol	60.3	U	60.3	94.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.9	U	60.9	94.5	120	ug/Kg
95-57-8	2-Chlorophenol	60.7	U	60.7	94.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	61.5	U	61.5	94.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.5	U	62.5	94.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	62.9	U	62.9	94.5	120	ug/Kg
100-51-6	Benzyl Alcohol	60.4	U	60.4	200	240	ug/Kg
95-48-7	2-Methylphenol	58.6	U	58.6	94.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.1	U	66.1	94.5	120	ug/Kg
98-86-2	Acetophenone	63.2	U	63.2	94.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	58	U	58	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.3	U	29.3	58.2	58.2	ug/Kg
67-72-1	Hexachloroethane	60.4	U	60.4	94.5	120	ug/Kg
98-95-3	Nitrobenzene	66	U	66	94.5	120	ug/Kg
78-59-1	Isophorone	61.5	U	61.5	94.5	120	ug/Kg
88-75-5	2-Nitrophenol	68.7	U	68.7	94.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.8	U	67.8	94.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	62.4	U	62.4	94.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.9	U	54.9	94.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	62.1	U	62.1	94.5	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	200	240	ug/Kg
91-20-3	Naphthalene	76.6	J	60.1	94.5	120	ug/Kg
106-47-8	4-Chloroaniline	60.1	U	60.1	94.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.6	U	60.6	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BF141204.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	63.1	U	63.1	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.4	U	56.4	94.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	60	U	60	94.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.9	U	51.9	94.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53.8	U	53.8	94.5	120	ug/Kg
92-52-4	1,1-Biphenyl	63.6	U	63.6	94.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.6	U	60.6	94.5	120	ug/Kg
88-74-4	2-Nitroaniline	69.1	U	69.1	94.5	120	ug/Kg
131-11-3	Dimethylphthalate	160		59.4	94.5	120	ug/Kg
208-96-8	Acenaphthylene	62.9	U	62.9	94.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.5	U	60.5	94.5	120	ug/Kg
99-09-2	3-Nitroaniline	64.9	U	64.9	94.5	120	ug/Kg
83-32-9	Acenaphthene	74.4	J	59	94.5	120	ug/Kg
Total PAH	Total PAH	4477		963.9	94.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	84.4	U	84.4	200	240	ug/Kg
132-64-9	Dibenzofuran	73.5	J	61.4	94.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	23.2	U	123.2	94.5	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	62.7	U	62.7	94.5	120	ug/Kg
84-66-2	Diethylphthalate	58.3	U	58.3	94.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.3	U	62.3	94.5	120	ug/Kg
86-73-7	Fluorene	99.1	J	62.2	94.5	120	ug/Kg
100-01-6	4-Nitroaniline	77.8	U	77.8	94.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	85.1	U	85.1	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.3	U	59.3	94.5	120	ug/Kg
103-33-3	Azobenzene	57.9	U	57.9	94.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57.4	U	57.4	94.5	120	ug/Kg
118-74-1	Hexachlorobenzene	61.8	U	61.8	94.5	120	ug/Kg
1912-24-9	Atrazine	66.5	U	66.5	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BF141204.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	56.2	U	56.2	200	240	ug/Kg
85-01-8	Phenanthrene	930		61.1	94.5	120	ug/Kg
120-12-7	Anthracene	200		61.4	94.5	120	ug/Kg
86-74-8	Carbazole	84.3	J	58.4	94.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	61.3	U	61.3	94.5	120	ug/Kg
206-44-0	Fluoranthene	750		59.4	94.5	120	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	600		60.4	94.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.4	U	70.4	94.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	71.7	U	71.7	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	370		58.7	94.5	120	ug/Kg
218-01-9	Chrysene	340		57.8	94.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.2	U	66.2	94.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	80	U	80	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	350		59	94.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	180		60.1	94.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	310		67.6	94.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.9	J	56.8	94.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.1	U	59.1	94.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	J	58.3	94.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.1	U	63.1	94.5	120	ug/Kg
123-91-1	1,4-Dioxane	80	U	80	94.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.3	U	54.3	94.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	60.5	U	60.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.15		18-112		46	SPK: -150
13127-88-3	Phenol-d6	68.539		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	48.17		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	46.008		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
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
BF141204.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.131		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	37.021		10-105		37	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	208969	6.81				
1146-65-2	Naphthalene-d8	824346	8.092				
15067-26-2	Acenaphthene-d10	430569	9.839				
1517-22-2	Phenanthrene-d10	661327	11.327				
1719-03-5	Chrysene-d12	394222	13.968				
1520-96-3	Perylene-d12	409982	15.421				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			5.022	
006846-50-0	2,2,4-Trimethyl-1,3-pentanediol di	160	J			10.251	
000119-61-9	Benzophenone	130	J			10.557	
001430-97-3	9H-Fluorene, 2-methyl-	49.5	J			10.933	
000486-25-9	9H-Fluoren-9-one	61.6	J			11.133	
000132-65-0	Dibenzothiophene	62.5	J			11.222	
002531-84-2	Phenanthrene, 2-methyl-	120	J			11.833	
000832-69-9	Phenanthrene, 1-methyl-	310	J			11.857	
000203-64-5	4H-Cyclopenta[def]phenanthrene	240	J			11.939	
006572-60-7	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4	140	J			12.127	
003674-66-6	Phenanthrene, 2,5-dimethyl-	78.8	J			12.38	
006232-48-0	Acephenanthrylene, 4,5-dihydro-	50.7	J			12.416	
000243-17-4	11H-Benzo[b]fluorene	63.8	J			12.986	
033543-31-6	Fluoranthene, 2-methyl-	78.5	J			13.092	
002381-21-7	Pyrene, 1-methyl-	54.1	J			13.198	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	51.4	J			13.716	
000082-05-3	7H-Benz[de]anthracen-7-one	81.7	J			13.81	
000192-97-2	Benzo[e]pyrene	55.3	J			15.11	
000205-82-3	Benzo[j]fluoranthene	200	J			15.298	

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-213	SDG No.:	BF011725
Lab Sample ID:	Q1115-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.6
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141204.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BF011725
Lab Sample ID:	Q1110-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141205.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.3	U	56.3	170	210	ug/Kg
110-86-1	Pyridine	51.8	U	51.8	84.3	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.8	U	62.8	84.3	110	ug/Kg
108-95-2	Phenol	53.7	U	53.7	84.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.2	U	54.2	84.3	110	ug/Kg
95-57-8	2-Chlorophenol	54.1	U	54.1	84.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.8	U	54.8	84.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.7	U	55.7	84.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.1	U	56.1	84.3	110	ug/Kg
100-51-6	Benzyl Alcohol	53.8	U	53.8	170	210	ug/Kg
95-48-7	2-Methylphenol	52.2	U	52.2	84.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.9	U	58.9	84.3	110	ug/Kg
98-86-2	Acetophenone	56.3	U	56.3	84.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.7	U	51.7	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.1	U	26.1	51.9	51.9	ug/Kg
67-72-1	Hexachloroethane	53.8	U	53.8	84.3	110	ug/Kg
98-95-3	Nitrobenzene	58.9	U	58.9	84.3	110	ug/Kg
78-59-1	Isophorone	54.8	U	54.8	84.3	110	ug/Kg
88-75-5	2-Nitrophenol	61.2	U	61.2	84.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.4	U	60.4	84.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.6	U	55.6	84.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.9	U	48.9	84.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.4	U	55.4	84.3	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	240		53.5	84.3	110	ug/Kg
106-47-8	4-Chloroaniline	53.5	U	53.5	84.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	54	U	54	84.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BF011725
Lab Sample ID:	Q1110-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141205.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.3	U	56.3	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.2	U	50.2	84.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	100	J	53.5	84.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.3	U	46.3	84.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48	U	48	84.3	110	ug/Kg
92-52-4	1,1-Biphenyl	56.6	U	56.6	84.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	84.3	110	ug/Kg
88-74-4	2-Nitroaniline	61.6	U	61.6	84.3	110	ug/Kg
131-11-3	Dimethylphthalate	53	U	53	84.3	110	ug/Kg
208-96-8	Acenaphthylene	56.1	U	56.1	84.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	84.3	110	ug/Kg
99-09-2	3-Nitroaniline	57.8	U	57.8	84.3	110	ug/Kg
83-32-9	Acenaphthene	100	J	52.6	84.3	110	ug/Kg
Total PAH	Total PAH	3173.1		858.8	84.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	75.2	U	75.2	170	210	ug/Kg
132-64-9	Dibenzofuran	120		54.7	84.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.8	U	109.8	84.3	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.9	U	55.9	84.3	110	ug/Kg
84-66-2	Diethylphthalate	51.9	U	51.9	84.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.5	U	55.5	84.3	110	ug/Kg
86-73-7	Fluorene	140		55.4	84.3	110	ug/Kg
100-01-6	4-Nitroaniline	69.3	U	69.3	84.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.8	U	75.8	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.9	U	52.9	84.3	110	ug/Kg
103-33-3	Azobenzene	51.6	U	51.6	84.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.1	U	51.1	84.3	110	ug/Kg
118-74-1	Hexachlorobenzene	55.1	U	55.1	84.3	110	ug/Kg
1912-24-9	Atrazine	59.2	U	59.2	84.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BF011725
Lab Sample ID:	Q1110-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141205.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.1	U	50.1	170	210	ug/Kg
85-01-8	Phenanthrene	590		54.4	84.3	110	ug/Kg
120-12-7	Anthracene	86.7	J	54.7	84.3	110	ug/Kg
86-74-8	Carbazole	52	U	52	84.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.6	U	54.6	84.3	110	ug/Kg
206-44-0	Fluoranthene	540		53	84.3	110	ug/Kg
92-87-5	Benzidine	110	U	110	170	210	ug/Kg
129-00-0	Pyrene	350		53.8	84.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.7	U	62.7	84.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.9	U	63.9	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	200		52.3	84.3	110	ug/Kg
218-01-9	Chrysene	230		51.5	84.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59	U	59	84.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.3	U	71.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	270		52.6	84.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	120		53.5	84.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	180		60.3	84.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	61.1	J	50.6	84.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.6	U	52.6	84.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65.3	J	51.9	84.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.3	U	56.3	84.3	110	ug/Kg
123-91-1	1,4-Dioxane	71.3	U	71.3	84.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.4	U	48.4	84.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.9	J	53.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.584		18-112		71	SPK: -150
13127-88-3	Phenol-d6	104.86		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	74.052		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	76.381		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BF011725
Lab Sample ID:	Q1110-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141205.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	106.199		10-116		71	SPK: -150
1718-51-0	Terphenyl-d14	61.218		10-105		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201610	6.81				
1146-65-2	Naphthalene-d8	802580	8.092				
15067-26-2	Acenaphthene-d10	397983	9.845				
1517-22-2	Phenanthrene-d10	560882	11.328				
1719-03-5	Chrysene-d12	400195	13.969				
1520-96-3	Perylene-d12	361883	15.421				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	54.2	J			2.187	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	A			5.028	
007785-26-4	(1S)-2,6,6-Trimethylbicyclo[3.1.1]	230	J			6.093	
000127-91-3	.beta.-Pinene	78.4	J			6.51	
005989-27-5	D-Limonene	55.7	J			6.928	
001119-40-0	Pentanedioic acid, dimethyl ester	64.2	J			7.622	
000119-61-9	Benzophenone	350	J			10.557	
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	62.2	J			10.863	
000132-65-0	Dibenzothiophene	53.1	J			11.222	
000244-99-5	5H-Indeno[1,2-b]pyridine	54	J			11.557	
004505-48-0	1H-Indene, 2-phenyl-	77.6	J			11.828	
000057-10-3	n-Hexadecanoic acid	310	J			11.857	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	160	J			11.939	
000612-94-2	Naphthalene, 2-phenyl-	50.3	J			12.128	
003674-69-9	Phenanthrene, 4,5-dimethyl-	55.5	J			12.38	
000057-11-4	Octadecanoic acid	95.1	J			12.645	
000243-17-4	11H-Benzo[b]fluorene	49.9	J			13.098	
074685-30-6	5-Eicosene, (E)-	76.7	J			13.816	
000192-97-2	Benzo[e]pyrene	140	J			15.298	

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	BIN-1	SDG No.:	BF011725
Lab Sample ID:	Q1110-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141205.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000629-94-7	Heneicosane	69.1	J			15.898	

Report of Analysis

Client:				Date Collected:	1/16/2025 12:00:00 AM		
Project:				Date Received:	1/16/2025 12:00:00 AM		
Client Sample ID:	VNJ-214			SDG No.:	BF011725		
Lab Sample ID:	Q1115-04			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	22.8		
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141206.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	67.4	U	67.4	210	260	ug/Kg
110-86-1	Pyridine	62	U	62	100	130	ug/Kg
100-52-7	Benzaldehyde	140	U	140	210	260	ug/Kg
62-53-3	Aniline	75.2	U	75.2	100	130	ug/Kg
108-95-2	Phenol	64.4	U	64.4	100	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	65	U	65	100	130	ug/Kg
95-57-8	2-Chlorophenol	64.8	U	64.8	100	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	65.7	U	65.7	100	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	66.8	U	66.8	100	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	67.1	U	67.1	100	130	ug/Kg
100-51-6	Benzyl Alcohol	64.4	U	64.4	210	260	ug/Kg
95-48-7	2-Methylphenol	62.6	U	62.6	100	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.6	U	70.6	100	130	ug/Kg
98-86-2	Acetophenone	67.5	U	67.5	100	130	ug/Kg
65794-96-9	3+4-Methylphenols	61.9	U	61.9	210	260	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	31.3	U	31.3	62.1	62.1	ug/Kg
67-72-1	Hexachloroethane	64.4	U	64.4	100	130	ug/Kg
98-95-3	Nitrobenzene	70.5	U	70.5	100	130	ug/Kg
78-59-1	Isophorone	65.7	U	65.7	100	130	ug/Kg
88-75-5	2-Nitrophenol	73.4	U	73.4	100	130	ug/Kg
105-67-9	2,4-Dimethylphenol	72.3	U	72.3	100	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	66.6	U	66.6	100	130	ug/Kg
120-83-2	2,4-Dichlorophenol	58.6	U	58.6	100	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	66.3	U	66.3	100	130	ug/Kg
65-85-0	Benzoic acid	180	U	180	210	260	ug/Kg
91-20-3	Naphthalene	64.1	U	64.1	100	130	ug/Kg
106-47-8	4-Chloroaniline	64.1	U	64.1	100	130	ug/Kg
87-68-3	Hexachlorobutadiene	64.7	U	64.7	100	130	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	BF011725
Lab Sample ID:	Q1115-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141206.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	67.4	U	67.4	210	260	ug/Kg
59-50-7	4-Chloro-3-methylphenol	60.2	U	60.2	100	130	ug/Kg
91-57-6	2-Methylnaphthalene	64	U	64	100	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	210	260	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.4	U	55.4	100	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.4	U	57.4	100	130	ug/Kg
92-52-4	1,1-Biphenyl	67.8	U	67.8	100	130	ug/Kg
91-58-7	2-Chloronaphthalene	64.7	U	64.7	100	130	ug/Kg
88-74-4	2-Nitroaniline	73.7	U	73.7	100	130	ug/Kg
131-11-3	Dimethylphthalate	63.4	U	63.4	100	130	ug/Kg
208-96-8	Acenaphthylene	67.1	U	67.1	100	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	64.6	U	64.6	100	130	ug/Kg
99-09-2	3-Nitroaniline	69.2	U	69.2	100	130	ug/Kg
83-32-9	Acenaphthene	63	U	63	100	130	ug/Kg
Total PAH	Total PAH	1069.2	U	1028.5	100	2080	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	210	260	ug/Kg
100-02-7	4-Nitrophenol	90	U	90	210	260	ug/Kg
132-64-9	Dibenzofuran	65.5	U	65.5	100	130	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	31.5	U	131.5	100	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.9	U	66.9	100	130	ug/Kg
84-66-2	Diethylphthalate	62.2	U	62.2	100	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	66.4	U	66.4	100	130	ug/Kg
86-73-7	Fluorene	66.4	U	66.4	100	130	ug/Kg
100-01-6	4-Nitroaniline	83.1	U	83.1	100	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	90.8	U	90.8	210	260	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.3	U	63.3	100	130	ug/Kg
103-33-3	Azobenzene	61.8	U	61.8	100	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.2	U	61.2	100	130	ug/Kg
118-74-1	Hexachlorobenzene	66	U	66	100	130	ug/Kg
1912-24-9	Atrazine	71	U	71	100	130	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	BF011725
Lab Sample ID:	Q1115-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.8
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
BF141206.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	60	U	60	210	260	ug/Kg
85-01-8	Phenanthrene	230		65.2	100	130	ug/Kg
120-12-7	Anthracene	65.5	U	65.5	100	130	ug/Kg
86-74-8	Carbazole	62.3	U	62.3	100	130	ug/Kg
84-74-2	Di-n-butylphthalate	65.4	U	65.4	100	130	ug/Kg
206-44-0	Fluoranthene	240		63.4	100	130	ug/Kg
92-87-5	Benzidine	130	U	130	210	260	ug/Kg
129-00-0	Pyrene	150		64.4	100	130	ug/Kg
85-68-7	Butylbenzylphthalate	75.1	U	75.1	100	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	76.5	U	76.5	210	260	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	62.6	100	130	ug/Kg
218-01-9	Chrysene	100	J	61.7	100	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.6	U	70.6	100	130	ug/Kg
117-84-0	Di-n-octyl phthalate	85.4	U	85.4	210	260	ug/Kg
205-99-2	Benzo(b)fluoranthene	130		63	100	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.1	U	64.1	100	130	ug/Kg
50-32-8	Benzo(a)pyrene	99.2	J	72.2	100	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	60.6	U	60.6	100	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63	U	63	100	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.2	U	62.2	100	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	67.4	U	67.4	100	130	ug/Kg
123-91-1	1,4-Dioxane	85.4	U	85.4	100	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58	U	58	100	130	ug/Kg
90-12-0	1-Methylnaphthalene	64.6	U	64.6	130	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.569		18-112		70	SPK: -150
13127-88-3	Phenol-d6	102.804		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	74.223		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	73.763		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	BF011725
Lab Sample ID:	Q1115-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.8
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
BF141206.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.596		10-116		68	SPK: -150
1718-51-0	Terphenyl-d14	52.508		10-105		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	192388	6.81				
1146-65-2	Naphthalene-d8	744557	8.092				
15067-26-2	Acenaphthene-d10	369628	9.845				
1517-22-2	Phenanthrene-d10	510283	11.327				
1719-03-5	Chrysene-d12	398272	13.968				
1520-96-3	Perylene-d12	352190	15.421				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	69.9	J			2.187	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	A			5.028	
001119-40-0	Pentanedioic acid, dimethyl ester	54.6	J			7.628	
000119-61-9	Benzophenone	130	J			10.557	
000057-10-3	n-Hexadecanoic acid	210	J			11.857	
074685-30-6	5-Eicosene, (E)-	110	J			13.816	
000192-97-2	Benzo[e]pyrene	67.8	J			15.298	



Client:				Date Collected:	1/16/2025 12:00:00 AM	
Project:				Date Received:	1/16/2025 12:00:00 AM	
Client Sample ID:	VNJ-214MS			SDG No.:	BF011725	
Lab Sample ID:	Q1115-04MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	22.8	
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141207.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		67.4	210	260	ug/Kg
110-86-1	Pyridine	750		62.1	100	130	ug/Kg
100-52-7	Benzaldehyde	190	J	140	210	260	ug/Kg
62-53-3	Aniline	350		75.3	100	130	ug/Kg
108-95-2	Phenol	1000		64.4	100	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		65	100	130	ug/Kg
95-57-8	2-Chlorophenol	1100		64.9	100	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		65.7	100	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		66.8	100	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		67.2	100	130	ug/Kg
100-51-6	Benzyl Alcohol	1100		64.5	210	260	ug/Kg
95-48-7	2-Methylphenol	1100		62.6	100	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		70.6	100	130	ug/Kg
98-86-2	Acetophenone	1100		67.5	100	130	ug/Kg
65794-96-9	3+4-Methylphenols	1000		62	210	260	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		31.3	62.1	62.1	ug/Kg
67-72-1	Hexachloroethane	1000		64.5	100	130	ug/Kg
98-95-3	Nitrobenzene	1000		70.5	100	130	ug/Kg
78-59-1	Isophorone	1100		65.7	100	130	ug/Kg
88-75-5	2-Nitrophenol	1100		73.4	100	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		72.4	100	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		66.6	100	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		58.6	100	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		66.3	100	130	ug/Kg
65-85-0	Benzoic acid	1000		180	210	260	ug/Kg
91-20-3	Naphthalene	1000		64.2	100	130	ug/Kg
106-47-8	4-Chloroaniline	120	J	64.2	100	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		64.7	100	130	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214MS	SDG No.:	BF011725
Lab Sample ID:	Q1115-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.8
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141207.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		67.4	210	260	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		60.2	100	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		64.1	100	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2600	E	120	210	260	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		55.5	100	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		57.5	100	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		67.9	100	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		64.7	100	130	ug/Kg
88-74-4	2-Nitroaniline	1100		73.8	100	130	ug/Kg
131-11-3	Dimethylphthalate	1200		63.5	100	130	ug/Kg
208-96-8	Acenaphthylene	1100		67.2	100	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		64.6	100	130	ug/Kg
99-09-2	3-Nitroaniline	600		69.3	100	130	ug/Kg
83-32-9	Acenaphthene	1100		63	100	130	ug/Kg
Total PAH	Total PAH	17330		1029.5	100	2080	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		190	210	260	ug/Kg
100-02-7	4-Nitrophenol	1900		90.1	210	260	ug/Kg
132-64-9	Dibenzofuran	1100		65.6	100	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		67	100	130	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		131.6	100	260	ug/Kg
84-66-2	Diethylphthalate	1100		62.2	100	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		66.5	100	130	ug/Kg
86-73-7	Fluorene	1000		66.4	100	130	ug/Kg
100-01-6	4-Nitroaniline	860		83.1	100	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		90.9	210	260	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		63.4	100	130	ug/Kg
103-33-3	Azobenzene	1100		61.8	100	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		61.3	100	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		66	100	130	ug/Kg
1912-24-9	Atrazine	1500		71	100	130	ug/Kg



Client:				Date Collected:	1/16/2025 12:00:00 AM	
Project:				Date Received:	1/16/2025 12:00:00 AM	
Client Sample ID:	VNJ-214MS			SDG No.:	BF011725	
Lab Sample ID:	Q1115-04MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	22.8	
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141207.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	60	210	260	ug/Kg
85-01-8	Phenanthrene	1300		65.2	100	130	ug/Kg
120-12-7	Anthracene	1200		65.6	100	130	ug/Kg
86-74-8	Carbazole	1100		62.4	100	130	ug/Kg
84-74-2	Di-n-butylphthalate	1200		65.5	100	130	ug/Kg
206-44-0	Fluoranthene	1200		63.5	100	130	ug/Kg
92-87-5	Benzidine	870		130	210	260	ug/Kg
129-00-0	Pyrene	940		64.5	100	130	ug/Kg
85-68-7	Butylbenzylphthalate	1000		75.2	100	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580		76.6	210	260	ug/Kg
56-55-3	Benzo(a)anthracene	1100		62.7	100	130	ug/Kg
218-01-9	Chrysene	1200		61.8	100	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		70.7	100	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		85.4	210	260	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		63	100	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		64.2	100	130	ug/Kg
50-32-8	Benzo(a)pyrene	1300		72.2	100	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	830		60.7	100	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	840		63.1	100	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	720		62.2	100	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		67.4	100	130	ug/Kg
123-91-1	1,4-Dioxane	910		85.4	100	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		58	100	130	ug/Kg
90-12-0	1-Methylnaphthalene	1000		64.6	130	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.294		18-112		62	SPK: -150
13127-88-3	Phenol-d6	93.204		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	67.385		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	66.56		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214MS	SDG No.:	BF011725
Lab Sample ID:	Q1115-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141207.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	94.321		10-116		63	SPK: -150
1718-51-0	Terphenyl-d14	49.449		10-105		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	208256	6.81				
1146-65-2	Naphthalene-d8	803714	8.092				
15067-26-2	Acenaphthene-d10	400010	9.845				
1517-22-2	Phenanthrene-d10	547983	11.333				
1719-03-5	Chrysene-d12	397683	13.974				
1520-96-3	Perylene-d12	344513	15.421				



Client:			Date Collected:	1/16/2025 12:00:00 AM	
Project:			Date Received:	1/16/2025 12:00:00 AM	
Client Sample ID:	VNJ-214MSD		SDG No.:	BF011725	
Lab Sample ID:	Q1115-04MSD		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	22.8	
Sample Wt/Vol:	50.05	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141208.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		67.4	210	260	ug/Kg
110-86-1	Pyridine	850		62	100	130	ug/Kg
100-52-7	Benzaldehyde	190	J	140	210	260	ug/Kg
62-53-3	Aniline	390		75.2	100	130	ug/Kg
108-95-2	Phenol	1000		64.4	100	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		65	100	130	ug/Kg
95-57-8	2-Chlorophenol	1100		64.8	100	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		65.7	100	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		66.8	100	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		67.2	100	130	ug/Kg
100-51-6	Benzyl Alcohol	1100		64.4	210	260	ug/Kg
95-48-7	2-Methylphenol	1100		62.6	100	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		70.6	100	130	ug/Kg
98-86-2	Acetophenone	1100		67.5	100	130	ug/Kg
65794-96-9	3+4-Methylphenols	1000		62	210	260	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		31.3	62.1	62.1	ug/Kg
67-72-1	Hexachloroethane	1000		64.4	100	130	ug/Kg
98-95-3	Nitrobenzene	1000		70.5	100	130	ug/Kg
78-59-1	Isophorone	1100		65.7	100	130	ug/Kg
88-75-5	2-Nitrophenol	1100		73.4	100	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		72.4	100	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		66.6	100	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		58.6	100	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		66.3	100	130	ug/Kg
65-85-0	Benzoic acid	1000		180	210	260	ug/Kg
91-20-3	Naphthalene	1000		64.1	100	130	ug/Kg
106-47-8	4-Chloroaniline	140		64.1	100	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		64.7	100	130	ug/Kg



Client:				Date Collected:	1/16/2025 12:00:00 AM	
Project:				Date Received:	1/16/2025 12:00:00 AM	
Client Sample ID:	VNJ-214MSD			SDG No.:	BF011725	
Lab Sample ID:	Q1115-04MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	22.8	
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141208.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		67.4	210	260	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		60.2	100	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		64.1	100	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	120	210	260	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		55.4	100	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		57.5	100	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		67.9	100	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		64.7	100	130	ug/Kg
88-74-4	2-Nitroaniline	1100		73.8	100	130	ug/Kg
131-11-3	Dimethylphthalate	1200		63.4	100	130	ug/Kg
208-96-8	Acenaphthylene	1100		67.2	100	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		64.6	100	130	ug/Kg
99-09-2	3-Nitroaniline	580		69.3	100	130	ug/Kg
83-32-9	Acenaphthene	1100		63	100	130	ug/Kg
Total PAH	Total PAH	17470		1028.7	100	2080	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		190	210	260	ug/Kg
100-02-7	4-Nitrophenol	1900		90.1	210	260	ug/Kg
132-64-9	Dibenzofuran	1100		65.5	100	130	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		131.5	100	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		66.9	100	130	ug/Kg
84-66-2	Diethylphthalate	1100		62.2	100	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		66.5	100	130	ug/Kg
86-73-7	Fluorene	1000		66.4	100	130	ug/Kg
100-01-6	4-Nitroaniline	850		83.1	100	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		90.8	210	260	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		63.4	100	130	ug/Kg
103-33-3	Azobenzene	1100		61.8	100	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		61.3	100	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		66	100	130	ug/Kg
1912-24-9	Atrazine	1500		71	100	130	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214MSD	SDG No.:	BF011725
Lab Sample ID:	Q1115-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141208.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	60	210	260	ug/Kg
85-01-8	Phenanthrene	1300		65.2	100	130	ug/Kg
120-12-7	Anthracene	1200		65.5	100	130	ug/Kg
86-74-8	Carbazole	1100		62.3	100	130	ug/Kg
84-74-2	Di-n-butylphthalate	1200		65.5	100	130	ug/Kg
206-44-0	Fluoranthene	1200		63.4	100	130	ug/Kg
92-87-5	Benzidine	1100		130	210	260	ug/Kg
129-00-0	Pyrene	940		64.4	100	130	ug/Kg
85-68-7	Butylbenzylphthalate	1000		75.2	100	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		76.6	210	260	ug/Kg
56-55-3	Benzo(a)anthracene	1100		62.7	100	130	ug/Kg
218-01-9	Chrysene	1200		61.7	100	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		70.7	100	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		85.4	210	260	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		63	100	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		64.1	100	130	ug/Kg
50-32-8	Benzo(a)pyrene	1300		72.2	100	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	850		60.6	100	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	840		63	100	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	740		62.2	100	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		67.4	100	130	ug/Kg
123-91-1	1,4-Dioxane	920		85.4	100	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		58	100	130	ug/Kg
90-12-0	1-Methylnaphthalene	970		64.6	130	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.982		18-112		63	SPK: -150
13127-88-3	Phenol-d6	93.665		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	67.351		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	67.248		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	VNJ-214MSD	SDG No.:	BF011725
Lab Sample ID:	Q1115-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141208.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	91.634		10-116		61	SPK: -150
1718-51-0	Terphenyl-d14	49.946		10-105		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	211037	6.81				
1146-65-2	Naphthalene-d8	815596	8.098				
15067-26-2	Acenaphthene-d10	399988	9.845				
1517-22-2	Phenanthrene-d10	540969	11.333				
1719-03-5	Chrysene-d12	394660	13.974				
1520-96-3	Perylene-d12	327550	15.421				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141209.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	71.8	U	71.8	220	270	ug/Kg
110-86-1	Pyridine	66.1	U	66.1	110	140	ug/Kg
100-52-7	Benzaldehyde	150	U	150	220	270	ug/Kg
62-53-3	Aniline	80.2	U	80.2	110	140	ug/Kg
108-95-2	Phenol	68.6	U	68.6	110	140	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	69.3	U	69.3	110	140	ug/Kg
95-57-8	2-Chlorophenol	69.1	U	69.1	110	140	ug/Kg
95-50-1	1,2-Dichlorobenzene	70	U	70	110	140	ug/Kg
541-73-1	1,3-Dichlorobenzene	71.2	U	71.2	110	140	ug/Kg
106-46-7	1,4-Dichlorobenzene	71.6	U	71.6	110	140	ug/Kg
100-51-6	Benzyl Alcohol	68.7	U	68.7	220	270	ug/Kg
95-48-7	2-Methylphenol	66.7	U	66.7	110	140	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	75.2	U	75.2	110	140	ug/Kg
98-86-2	Acetophenone	71.9	U	71.9	110	140	ug/Kg
65794-96-9	3+4-Methylphenols	66	U	66	220	270	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	33.3	U	33.3	66.2	66.2	ug/Kg
67-72-1	Hexachloroethane	68.7	U	68.7	110	140	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	110	140	ug/Kg
78-59-1	Isophorone	70	U	70	110	140	ug/Kg
88-75-5	2-Nitrophenol	78.2	U	78.2	110	140	ug/Kg
105-67-9	2,4-Dimethylphenol	77.1	U	77.1	110	140	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71	U	71	110	140	ug/Kg
120-83-2	2,4-Dichlorophenol	62.5	U	62.5	110	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	70.7	U	70.7	110	140	ug/Kg
65-85-0	Benzoic acid	200	U	200	220	270	ug/Kg
91-20-3	Naphthalene	68.3	U	68.3	110	140	ug/Kg
106-47-8	4-Chloroaniline	68.3	U	68.3	110	140	ug/Kg
87-68-3	Hexachlorobutadiene	68.9	U	68.9	110	140	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141209.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	71.8	U	71.8	220	270	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.1	U	64.1	110	140	ug/Kg
91-57-6	2-Methylnaphthalene	68.3	U	68.3	110	140	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	220	270	ug/Kg
88-06-2	2,4,6-Trichlorophenol	59.1	U	59.1	110	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.2	U	61.2	110	140	ug/Kg
92-52-4	1,1-Biphenyl	72.3	U	72.3	110	140	ug/Kg
91-58-7	2-Chloronaphthalene	68.9	U	68.9	110	140	ug/Kg
88-74-4	2-Nitroaniline	78.6	U	78.6	110	140	ug/Kg
131-11-3	Dimethylphthalate	67.6	U	67.6	110	140	ug/Kg
208-96-8	Acenaphthylene	71.6	U	71.6	110	140	ug/Kg
606-20-2	2,6-Dinitrotoluene	68.8	U	68.8	110	140	ug/Kg
99-09-2	3-Nitroaniline	73.8	U	73.8	110	140	ug/Kg
83-32-9	Acenaphthene	67.1	U	67.1	110	140	ug/Kg
Total PAH	Total PAH	1096.4	U	1096.4	110	2240	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	220	270	ug/Kg
100-02-7	4-Nitrophenol	96	U	96	220	270	ug/Kg
132-64-9	Dibenzofuran	69.8	U	69.8	110	140	ug/Kg
121-14-2	2,4-Dinitrotoluene	71.3	U	71.3	110	140	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	140.1	U	140.1	110	280	ug/Kg
84-66-2	Diethylphthalate	66.3	U	66.3	110	140	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	70.8	U	70.8	110	140	ug/Kg
86-73-7	Fluorene	70.7	U	70.7	110	140	ug/Kg
100-01-6	4-Nitroaniline	88.5	U	88.5	110	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	96.8	U	96.8	220	270	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.5	U	67.5	110	140	ug/Kg
103-33-3	Azobenzene	65.9	U	65.9	110	140	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.3	U	65.3	110	140	ug/Kg
118-74-1	Hexachlorobenzene	70.3	U	70.3	110	140	ug/Kg
1912-24-9	Atrazine	75.6	U	75.6	110	140	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141209.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	64	U	64	220	270	ug/Kg
85-01-8	Phenanthrene	69.5	U	69.5	110	140	ug/Kg
120-12-7	Anthracene	69.8	U	69.8	110	140	ug/Kg
86-74-8	Carbazole	66.4	U	66.4	110	140	ug/Kg
84-74-2	Di-n-butylphthalate	69.8	U	69.8	110	140	ug/Kg
206-44-0	Fluoranthene	92.1	J	67.6	110	140	ug/Kg
92-87-5	Benzidine	130	U	130	220	270	ug/Kg
129-00-0	Pyrene	68.7	U	68.7	110	140	ug/Kg
85-68-7	Butylbenzylphthalate	80.1	U	80.1	110	140	ug/Kg
91-94-1	3,3-Dichlorobenzidine	81.6	U	81.6	220	270	ug/Kg
56-55-3	Benzo(a)anthracene	66.8	U	66.8	110	140	ug/Kg
218-01-9	Chrysene	65.8	U	65.8	110	140	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	630		75.3	110	140	ug/Kg
117-84-0	Di-n-octyl phthalate	91	U	91	220	270	ug/Kg
205-99-2	Benzo(b)fluoranthene	67.1	U	67.1	110	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	68.3	U	68.3	110	140	ug/Kg
50-32-8	Benzo(a)pyrene	77	U	77	110	140	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.6	U	64.6	110	140	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.2	U	67.2	110	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	66.3	U	66.3	110	140	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	71.8	U	71.8	110	140	ug/Kg
123-91-1	1,4-Dioxane	91	U	91	110	140	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61.8	U	61.8	110	140	ug/Kg
90-12-0	1-Methylnaphthalene	68.8	U	68.8	140	140	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.723		18-112		54	SPK: -150
13127-88-3	Phenol-d6	77.357		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	59.244		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	61.597		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	72-11995	SDG No.:	BF011725
Lab Sample ID:	Q1115-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141209.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.829		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	39.288		10-105		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	176911	6.81				
1146-65-2	Naphthalene-d8	632694	8.092				
15067-26-2	Acenaphthene-d10	276436	9.845				
1517-22-2	Phenanthrene-d10	414084	11.327				
1719-03-5	Chrysene-d12	387045	13.969				
1520-96-3	Perylene-d12	303043	15.421				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	63.4	J			2.181	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.022	
000100-41-4	Ethylbenzene	210	J			5.293	
000100-42-5	Styrene	2300	J			5.651	
000119-61-9	Benzophenone	97.9	J			10.557	
	unknown10.963	640	J			10.963	
020071-09-4	Benzene, 1,1-(1,2-cyclobutanediyl	56.8	J			11.104	
000057-10-3	n-Hexadecanoic acid	270	J			11.857	
000057-11-4	Octadecanoic acid	94.3	J			12.645	
000115-86-6	Triphenyl phosphate	680	J			13.598	
028336-57-4	Cyclohexane, 1,3,5-triphenyl-	640	J			13.78	
	unknown14.104	220	J			14.104	
131758-71-9	(2,3-Diphenylcyclopropyl)methyl ph	340	J			14.145	
	unknown14.174	120	J			14.174	
	unknown14.198	110	J			14.198	
	unknown14.492	56	J			14.492	



Client:				Date Collected:	1/16/2025 12:00:00 AM	
Project:				Date Received:	1/16/2025 12:00:00 AM	
Client Sample ID:	OK-01-1-16-2025			SDG No.:	BF011725	
Lab Sample ID:	Q1118-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.9	
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
BF141210.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.3	U	55.3	170	210	ug/Kg
110-86-1	Pyridine	50.9	U	50.9	82.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.7	U	61.7	82.8	110	ug/Kg
108-95-2	Phenol	52.8	U	52.8	82.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.3	U	53.3	82.8	110	ug/Kg
95-57-8	2-Chlorophenol	53.2	U	53.2	82.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.9	U	53.9	82.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.7	U	54.7	82.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.1	U	55.1	82.8	110	ug/Kg
100-51-6	Benzyl Alcohol	52.8	U	52.8	170	210	ug/Kg
95-48-7	2-Methylphenol	51.3	U	51.3	82.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.9	U	57.9	82.8	110	ug/Kg
98-86-2	Acetophenone	55.3	U	55.3	82.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.8	U	50.8	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.7	U	25.7	50.9	50.9	ug/Kg
67-72-1	Hexachloroethane	52.8	U	52.8	82.8	110	ug/Kg
98-95-3	Nitrobenzene	57.8	U	57.8	82.8	110	ug/Kg
78-59-1	Isophorone	53.9	U	53.9	82.8	110	ug/Kg
88-75-5	2-Nitrophenol	60.2	U	60.2	82.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.3	U	59.3	82.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.6	U	54.6	82.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.1	U	48.1	82.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.4	U	54.4	82.8	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53.3	J	52.6	82.8	110	ug/Kg
106-47-8	4-Chloroaniline	52.6	U	52.6	82.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	53	U	53	82.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	OK-01-1-16-2025	SDG No.:	BF011725
Lab Sample ID:	Q1118-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF141210.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.3	U	55.3	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.3	U	49.3	82.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.5	U	52.5	82.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99.3	U	99.3	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.5	U	45.5	82.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.1	U	47.1	82.8	110	ug/Kg
92-52-4	1,1-Biphenyl	55.6	U	55.6	82.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	82.8	110	ug/Kg
88-74-4	2-Nitroaniline	60.5	U	60.5	82.8	110	ug/Kg
131-11-3	Dimethylphthalate	52	U	52	82.8	110	ug/Kg
208-96-8	Acenaphthylene	55.1	U	55.1	82.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53	U	53	82.8	110	ug/Kg
99-09-2	3-Nitroaniline	56.8	U	56.8	82.8	110	ug/Kg
83-32-9	Acenaphthene	74	J	51.6	82.8	110	ug/Kg
Total PAH	Total PAH	5397.1		843.5	82.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.8	U	73.8	170	210	ug/Kg
132-64-9	Dibenzofuran	53.7	U	53.7	82.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	107.9	U	107.9	82.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.9	U	54.9	82.8	110	ug/Kg
84-66-2	Diethylphthalate	51	U	51	82.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.5	U	54.5	82.8	110	ug/Kg
86-73-7	Fluorene	94.5	J	54.4	82.8	110	ug/Kg
100-01-6	4-Nitroaniline	68.1	U	68.1	82.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.5	U	74.5	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.9	U	51.9	82.8	110	ug/Kg
103-33-3	Azobenzene	50.7	U	50.7	82.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.2	U	50.2	82.8	110	ug/Kg
118-74-1	Hexachlorobenzene	54.1	U	54.1	82.8	110	ug/Kg
1912-24-9	Atrazine	58.2	U	58.2	82.8	110	ug/Kg



Client:				Date Collected:	1/16/2025 12:00:00 AM	
Project:				Date Received:	1/16/2025 12:00:00 AM	
Client Sample ID:	OK-01-1-16-2025			SDG No.:	BF011725	
Lab Sample ID:	Q1118-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.9	
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
BF141210.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.2	U	49.2	170	210	ug/Kg
85-01-8	Phenanthrene	600		53.5	82.8	110	ug/Kg
120-12-7	Anthracene	170		53.7	82.8	110	ug/Kg
86-74-8	Carbazole	53.2	J	51.1	82.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.7	U	53.7	82.8	110	ug/Kg
206-44-0	Fluoranthene	1100		52	82.8	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	670		52.8	82.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.6	U	61.6	82.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.8	U	62.8	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	480		51.4	82.8	110	ug/Kg
218-01-9	Chrysene	410		50.6	82.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.9	U	57.9	82.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70	U	70	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	590		51.6	82.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	200		52.6	82.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	490		59.2	82.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180		49.7	82.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.3	J	51.7	82.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230		51	82.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.3	U	55.3	82.8	110	ug/Kg
123-91-1	1,4-Dioxane	70	U	70	82.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.6	U	47.6	82.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	53	U	53	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.382		18-112		53	SPK: -150
13127-88-3	Phenol-d6	76.521		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	59.184		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	63.363		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	OK-01-1-16-2025	SDG No.:	BF011725
Lab Sample ID:	Q1118-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF141210.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.304		10-116		51	SPK: -150
1718-51-0	Terphenyl-d14	47.16		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	176715	6.81				
1146-65-2	Naphthalene-d8	620851	8.092				
15067-26-2	Acenaphthene-d10	280009	9.845				
1517-22-2	Phenanthrene-d10	400761	11.327				
1719-03-5	Chrysene-d12	368120	13.974				
1520-96-3	Perylene-d12	277808	15.427				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			5.016	
000629-50-5	Tridecane	190	J			8.686	
074645-98-0	Dodecane, 2,7,10-trimethyl-	160	J			9.116	
000629-59-4	Tetradecane	530	J			9.251	
000582-16-1	Naphthalene, 2,7-dimethyl-	190	J			9.504	
000112-40-3	Dodecane	310	J			9.569	
000629-92-5	Nonadecane	440	J			9.78	
000544-76-3	Hexadecane	410	J			10.28	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	220	J			10.498	
000629-78-7	Heptadecane	800	J			10.757	
000629-94-7	Heneicosane	440	J			11.204	
	unknown11.227	260	J			11.227	
	unknown11.627	350	J			11.627	
000112-39-0	Hexadecanoic acid, methyl ester	130	J			11.727	
000057-10-3	n-Hexadecanoic acid	440	J			11.863	
000203-64-5	4H-Cyclopenta[def]phenanthrene	330	J			11.945	
000629-62-9	Pentadecane	270	J			12.033	
000112-63-0	9,12-Octadecadienoic acid (Z,Z)-,	810	J			12.421	
007378-99-6	N,N-Dimethyloctylamine	540	J			14.868	

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	OK-01-1-16-2025	SDG No.:	BF011725
Lab Sample ID:	Q1118-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF141210.D	1	1/17/2025 12:00:00 AM	1/17/2025 12:00:00 AM	PB166097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	440	J			15.304	

Hit Summary Sheet SW-846

SDG No.: BF011725

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : VNJ-241								
Q1103-01	VNJ-241	Solid	11H-Benzo[a]fluoren-11-one	*	45.100	J		
Q1103-01	VNJ-241	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	140.000	A		
Q1103-01	VNJ-241	Solid	5H-Indeno[1,2-b]pyridine	*	43.400	J		
Q1103-01	VNJ-241	Solid	7H-Benz[de]anthracen-7-one	*	53.300	J		
Q1103-01	VNJ-241	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	46.600	J		
Q1103-01	VNJ-241	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	46.400	J		
Q1103-01	VNJ-241	Solid	Benzo[e]pyrene	*	160.000	J		
Q1103-01	VNJ-241	Solid	Benzophenone	*	210.000	J		
Q1103-01	VNJ-241	Solid	Heneicosane	*	65.400	J		
Q1103-01	VNJ-241	Solid	n-Hexadecanoic acid	*	250.000	J		
Q1103-01	VNJ-241	Solid	Nonadecane	*	66.300	J		
Q1103-01	VNJ-241	Solid	Octadecanoic acid	*	110.000	J		
Q1103-01	VNJ-241	Solid	Pyrene, 1-methyl-	*	47.900	J		
Total Tics :					1,284.40			
Q1103-01	VNJ-241	Solid	Benzo(a)anthracene		140.000	52.3	110	ug/Kg
Q1103-01	VNJ-241	Solid	Benzo(a)pyrene		130.000	60.2	110	ug/Kg
Q1103-01	VNJ-241	Solid	Benzo(b)fluoranthene		300.000	52.5	110	ug/Kg
Q1103-01	VNJ-241	Solid	Benzo(k)fluoranthene		120.000	53.5	110	ug/Kg
Q1103-01	VNJ-241	Solid	Chrysene		250.000	51.5	110	ug/Kg
Q1103-01	VNJ-241	Solid	Fluoranthene		490.000	52.9	110	ug/Kg
Q1103-01	VNJ-241	Solid	Phenanthrene		86.400	J 54.4	110	ug/Kg
Q1103-01	VNJ-241	Solid	Pyrene		360.000	53.8	110	ug/Kg
Total Svoc :					1,876.40			
Total Concentration:					3,160.80			
Client ID : BIN-1								
Q1110-01	BIN-1	Solid	(1S)-2,6,6-Trimethylbicyclo[3.1.1]	*	230.000	J		
Q1110-01	BIN-1	Solid	.beta.-Pinene	*	78.400	J		
Q1110-01	BIN-1	Solid	11H-Benzo[b]fluorene	*	49.900	J		
Q1110-01	BIN-1	Solid	1H-Indene, 2-phenyl-	*	77.600	J		
Q1110-01	BIN-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	A		
Q1110-01	BIN-1	Solid	5-Eicosene, (E)-	*	76.700	J		
Q1110-01	BIN-1	Solid	5H-Indeno[1,2-b]pyridine	*	54.000	J		
Q1110-01	BIN-1	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	160.000	J		
Q1110-01	BIN-1	Solid	Benzo[e]pyrene	*	140.000	J		
Q1110-01	BIN-1	Solid	Benzophenone	*	350.000	J		
Q1110-01	BIN-1	Solid	D-Limonene	*	55.700	J		
Q1110-01	BIN-1	Solid	Dibenzothiophene	*	53.100	J		

Hit Summary Sheet SW-846

SDG No.: BF011725

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1110-01	BIN-1	Solid	Heneicosane	*	69.100	J		
Q1110-01	BIN-1	Solid	Methanone, (1-hydroxycyclohexy	*	62.200	J		
Q1110-01	BIN-1	Solid	n-Hexadecanoic acid	*	310.000	J		
Q1110-01	BIN-1	Solid	Naphthalene, 2-phenyl-	*	50.300	J		
Q1110-01	BIN-1	Solid	Octadecanoic acid	*	95.100	J		
Q1110-01	BIN-1	Solid	Pentanedioic acid, dimethyl ester	*	64.200	J		
Q1110-01	BIN-1	Solid	Phenanthrene, 4,5-dimethyl-	*	55.500	J		
Q1110-01	BIN-1	Solid	Propane, 1,1-dimethoxy-	*	54.200	J		
Total Tics :				2,276.00				
Q1110-01	BIN-1	Solid	1-Methylnaphthalene		54.900	J	53.9	110 ug/Kg
Q1110-01	BIN-1	Solid	2-Methylnaphthalene		100.000	J	53.5	110 ug/Kg
Q1110-01	BIN-1	Solid	Acenaphthene		100.000	J	52.6	110 ug/Kg
Q1110-01	BIN-1	Solid	Anthracene		86.700	J	54.7	110 ug/Kg
Q1110-01	BIN-1	Solid	Benzo(a)anthracene		200.000		52.3	110 ug/Kg
Q1110-01	BIN-1	Solid	Benzo(a)pyrene		180.000		60.3	110 ug/Kg
Q1110-01	BIN-1	Solid	Benzo(b)fluoranthene		270.000		52.6	110 ug/Kg
Q1110-01	BIN-1	Solid	Benzo(g,h,i)perylene		65.300	J	51.9	110 ug/Kg
Q1110-01	BIN-1	Solid	Benzo(k)fluoranthene		120.000		53.5	110 ug/Kg
Q1110-01	BIN-1	Solid	Chrysene		230.000		51.5	110 ug/Kg
Q1110-01	BIN-1	Solid	Dibenzofuran		120.000		54.7	110 ug/Kg
Q1110-01	BIN-1	Solid	Fluoranthene		540.000		53	110 ug/Kg
Q1110-01	BIN-1	Solid	Fluorene		140.000		55.4	110 ug/Kg
Q1110-01	BIN-1	Solid	Indeno(1,2,3-cd)pyrene		61.100	J	50.6	110 ug/Kg
Q1110-01	BIN-1	Solid	Naphthalene		240.000		53.5	110 ug/Kg
Q1110-01	BIN-1	Solid	Phenanthrene		590.000		54.4	110 ug/Kg
Q1110-01	BIN-1	Solid	Pyrene		350.000		53.8	110 ug/Kg
Q1110-01	BIN-1	Solid	Total PAH		3,173.000		858.8	1760 ug/Kg
Total Svoc :				6,621.00				
Total Concentration:				8,897.00				
Client ID : 366								
Q1115-01	366	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	A		
Q1115-01	366	Solid	Benzophenone	*	170.000	J		
Q1115-01	366	Solid	Heneicosane	*	56.300	J		
Q1115-01	366	Solid	Heptacosane	*	120.000	J		
Q1115-01	366	Solid	Heptadecane	*	120.000	J		
Q1115-01	366	Solid	n-Hexadecanoic acid	*	540.000	J		
Q1115-01	366	Solid	Nonadecane	*	110.000	J		
Q1115-01	366	Solid	Octacosane	*	110.000	J		
Q1115-01	366	Solid	Octadecanoic acid	*	410.000	J		
Q1115-01	366	Solid	Pentadecafluorooctanoic acid, pen	*	110.000	J		

Hit Summary Sheet SW-846

SDG No.: BF011725

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1115-01	366	Solid	Pentanedioic acid, dimethyl ester	*	74.200	J		
Q1115-01	366	Solid	Propane, 1,1-dimethoxy-	*	120.000	J		
Q1115-01	366	Solid	Tetratetracontane	*	130.000	J		
Total Tics :					2,330.50			
Total Concentration:					2,330.50			
Client ID : VNJ-214								
Q1115-04	VNJ-214	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	A		
Q1115-04	VNJ-214	Solid	5-Eicosene, (E)-	*	110.000	J		
Q1115-04	VNJ-214	Solid	Benzo[e]pyrene	*	67.800	J		
Q1115-04	VNJ-214	Solid	Benzophenone	*	130.000	J		
Q1115-04	VNJ-214	Solid	n-Hexadecanoic acid	*	210.000	J		
Q1115-04	VNJ-214	Solid	Pentanedioic acid, dimethyl ester	*	54.600	J		
Q1115-04	VNJ-214	Solid	Propane, 1,1-dimethoxy-	*	69.900	J		
Total Tics :					842.30			
Q1115-04	VNJ-214	Solid	Benzo(a)anthracene		120.000	J	62.6	130 ug/Kg
Q1115-04	VNJ-214	Solid	Benzo(a)pyrene		99.200	J	72.2	130 ug/Kg
Q1115-04	VNJ-214	Solid	Benzo(b)fluoranthene		130.000		63	130 ug/Kg
Q1115-04	VNJ-214	Solid	Chrysene		100.000	J	61.7	130 ug/Kg
Q1115-04	VNJ-214	Solid	Fluoranthene		240.000		63.4	130 ug/Kg
Q1115-04	VNJ-214	Solid	Phenanthrene		230.000		65.2	130 ug/Kg
Q1115-04	VNJ-214	Solid	Pyrene		150.000		64.4	130 ug/Kg
Total Svoc :					1,069.20			
Total Concentration:					1,911.50			
Client ID : 72-11995								
Q1115-07	72-11995	Solid	(2,3-Diphenylcyclopropyl)methyl	*	340.000	J		
Q1115-07	72-11995	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	A		
Q1115-07	72-11995	Solid	Benzene, 1,1-(1,2-cyclobutanediyl)	*	56.800	J		
Q1115-07	72-11995	Solid	Benzophenone	*	97.900	J		
Q1115-07	72-11995	Solid	Cyclohexane, 1,3,5-triphenyl-	*	640.000	J		
Q1115-07	72-11995	Solid	Ethylbenzene	*	210.000	J		
Q1115-07	72-11995	Solid	n-Hexadecanoic acid	*	270.000	J		
Q1115-07	72-11995	Solid	Octadecanoic acid	*	94.300	J		
Q1115-07	72-11995	Solid	Propane, 1,1-dimethoxy-	*	63.400	J		
Q1115-07	72-11995	Solid	Styrene	*	2,300.000	J		
Q1115-07	72-11995	Solid	Triphenyl phosphate	*	680.000	J		
Q1115-07	72-11995	Solid	unknown10.963	*	640.000	J		
Q1115-07	72-11995	Solid	unknown14.104	*	220.000	J		
Q1115-07	72-11995	Solid	unknown14.174	*	120.000	J		
Q1115-07	72-11995	Solid	unknown14.198	*	110.000	J		

Hit Summary Sheet SW-846

SDG No.: BF011725

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1115-07	72-11995	Solid	unknown	14.492	*	56.000	J	
Total Tics :				6,068.40				
Q1115-07	72-11995	Solid	Bis(2-ethylhexyl)phthalate		630.000	75.3	140	ug/Kg
Q1115-07	72-11995	Solid	Fluoranthene		92.100	J 67.6	140	ug/Kg
Total Svoc :				722.10				
Total Concentration:				6,790.50				
Client ID : VNJ-213								
Q1115-10	VNJ-213	Solid	11H-Benzo[b]fluorene	*	63.800	J		
Q1115-10	VNJ-213	Solid	2,2,4-Trimethyl-1,3-pentanediol d	*	160.000	J		
Q1115-10	VNJ-213	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	120.000	A		
Q1115-10	VNJ-213	Solid	4H-Cyclopenta[def]phenanthrene	*	240.000	J		
Q1115-10	VNJ-213	Solid	7H-Benz[de]anthracen-7-one	*	81.700	J		
Q1115-10	VNJ-213	Solid	9H-Fluoren-9-one	*	61.600	J		
Q1115-10	VNJ-213	Solid	9H-Fluorene, 2-methyl-	*	49.500	J		
Q1115-10	VNJ-213	Solid	Acphenanthrylene, 4,5-dihydro-	*	50.700	J		
Q1115-10	VNJ-213	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	51.400	J		
Q1115-10	VNJ-213	Solid	Benzo[e]pyrene	*	55.300	J		
Q1115-10	VNJ-213	Solid	Benzo[j]fluoranthene	*	200.000	J		
Q1115-10	VNJ-213	Solid	Benzophenone	*	130.000	J		
Q1115-10	VNJ-213	Solid	Dibenzothiophene	*	62.500	J		
Q1115-10	VNJ-213	Solid	Fluoranthene, 2-methyl-	*	78.500	J		
Q1115-10	VNJ-213	Solid	Phenanthrene, 1-methyl-	*	310.000	J		
Q1115-10	VNJ-213	Solid	Phenanthrene, 2,5-dimethyl-	*	78.800	J		
Q1115-10	VNJ-213	Solid	Phenanthrene, 2-methyl-	*	120.000	J		
Q1115-10	VNJ-213	Solid	Pyrene, 1-methyl-	*	54.100	J		
Q1115-10	VNJ-213	Solid	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4	*	140.000	J		
Total Tics :				2,107.90				
Q1115-10	VNJ-213	Solid	Acenaphthene		74.400	J 59	120	ug/Kg
Q1115-10	VNJ-213	Solid	Anthracene		200.000	61.4	120	ug/Kg
Q1115-10	VNJ-213	Solid	Benzo(a)anthracene		370.000	58.7	120	ug/Kg
Q1115-10	VNJ-213	Solid	Benzo(a)pyrene		310.000	67.6	120	ug/Kg
Q1115-10	VNJ-213	Solid	Benzo(b)fluoranthene		350.000	59	120	ug/Kg
Q1115-10	VNJ-213	Solid	Benzo(g,h,i)perylene		100.000	J 58.3	120	ug/Kg
Q1115-10	VNJ-213	Solid	Benzo(k)fluoranthene		180.000	60.1	120	ug/Kg
Q1115-10	VNJ-213	Solid	Carbazole		84.300	J 58.4	120	ug/Kg
Q1115-10	VNJ-213	Solid	Chrysene		340.000	57.8	120	ug/Kg
Q1115-10	VNJ-213	Solid	Dibenzofuran		73.500	J 61.4	120	ug/Kg
Q1115-10	VNJ-213	Solid	Dimethylphthalate		160.000	59.4	120	ug/Kg
Q1115-10	VNJ-213	Solid	Fluoranthene		750.000	59.4	120	ug/Kg
Q1115-10	VNJ-213	Solid	Fluorene		99.100	J 62.2	120	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF011725

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1115-10	VNJ-213	Solid	Indeno(1,2,3-cd)pyrene	96.900	J	56.8	120	ug/Kg
Q1115-10	VNJ-213	Solid	Naphthalene	76.600	J	60.1	120	ug/Kg
Q1115-10	VNJ-213	Solid	Phenanthrene	930.000		61.1	120	ug/Kg
Q1115-10	VNJ-213	Solid	Pyrene	600.000		60.4	120	ug/Kg
Q1115-10	VNJ-213	Solid	Total PAH	4,477.000		963.9	1920	ug/Kg

Total Svoc : 9,271.80

Total Concentration: 11,379.70

Client ID : OK-01-1-16-2025

Q1118-01	OK-01-1-16-2025	Solid	2-Pentanone, 4-hydroxy-4-methyl *	120.000	A			
Q1118-01	OK-01-1-16-2025	Solid	4H-Cyclopenta[def]phenanthrene *	330.000	J			
Q1118-01	OK-01-1-16-2025	Solid	9,12-Octadecadienoic acid (Z,Z)-, *	810.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Benzo[e]pyrene *	440.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Dodecane *	310.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Dodecane, 2,7,10-trimethyl- *	160.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Heneicosane *	440.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Heptadecane *	800.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Hexadecane *	410.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Hexadecanoic acid, methyl ester *	130.000	J			
Q1118-01	OK-01-1-16-2025	Solid	N,N-Dimethyloctylamine *	540.000	J			
Q1118-01	OK-01-1-16-2025	Solid	n-Hexadecanoic acid *	440.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Naphthalene, 2,7-dimethyl- *	190.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Nonadecane *	440.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Pentadecane *	270.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Pentadecane, 2,6,10-trimethyl- *	220.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Tetradecane *	530.000	J			
Q1118-01	OK-01-1-16-2025	Solid	Tridecane *	190.000	J			
Q1118-01	OK-01-1-16-2025	Solid	unknown11.227 *	260.000	J			
Q1118-01	OK-01-1-16-2025	Solid	unknown11.627 *	350.000	J			

Total Tics : 7,380.00

Q1118-01	OK-01-1-16-2025	Solid	Acenaphthene	74.000	J	51.6	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Anthracene	170.000		53.7	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Benzo(a)anthracene	480.000		51.4	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Benzo(a)pyrene	490.000		59.2	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Benzo(b)fluoranthene	590.000		51.6	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Benzo(g,h,i)perylene	230.000		51	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Benzo(k)fluoranthene	200.000		52.6	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Carbazole	53.200	J	51.1	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Chrysene	410.000		50.6	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Dibenzo(a,h)anthracene	55.300	J	51.7	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Fluoranthene	1,100.000		52	110	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF011725

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1118-01	OK-01-1-16-2025	Solid	Fluorene	94.500	J	54.4	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Indeno(1,2,3-cd)pyrene	180.000		49.7	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Naphthalene	53.300	J	52.6	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Phenanthrene	600.000		53.5	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Pyrene	670.000		52.8	110	ug/Kg
Q1118-01	OK-01-1-16-2025	Solid	Total PAH	5,397.000		843.5	1760	ug/Kg
Total Svoc :				10,847.30				
Total Concentration:				18,227.30				

Client ID : FILTER CAKE

Q1119-01	FILTER CAKE	water	3+4-Methylphenols	910.000	E	11.5	100	ug/L
Q1119-01	FILTER CAKE	water	Benzoic acid	170.000		54.7	100	ug/L
Q1119-01	FILTER CAKE	water	Benzyl Alcohol	98.800	J	16	100	ug/L
Q1119-01	FILTER CAKE	water	Bis(2-ethylhexyl)phthalate	34.700	J	18.9	50	ug/L
Q1119-01	FILTER CAKE	water	Phenol	54.500		9.3	50	ug/L
Total Svoc :				1,268.00				
Total Concentration:				1,268.00				



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.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 15:51

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	PB166097BL	192217	6.81	782624	8.09	428613	9.84
02	366	188431	6.81	755853	8.09	409170	9.84
03	VNJ-241	200999	6.81	789580	8.09	418256	9.84
04	366	190013	6.81	745324	8.09	399267	9.84
05	366MS	202186	6.81	804021	8.09	425124	9.85
06	366MSD	194434	6.81	769284	8.09	402350	9.85
07	VNJ-214	194466	6.81	776667	8.09	415381	9.84
08	72-11995	191494	6.81	760379	8.09	407176	9.84
09	VNJ-213	194974	6.81	773923	8.09	337549	9.84
10	FILTER CAKE	182887	6.82	728487	8.09	369683	9.85
11	VNJ-213	208969	6.81	824346	8.09	430569	9.84
12	BIN-1	201610	6.81	802580	8.09	397983	9.85
13	VNJ-214	192388	6.81	744557	8.09	369628	9.85
14	VNJ-214MS	208256	6.81	803714	8.09	400010	9.85
15	VNJ-214MSD	211037	6.81	815596	8.10	399988	9.85
16	72-11995	176911	6.81	632694	8.09	276436	9.85
17	OK-01-1-16-2025	176715	6.81	620851	8.09	280009	9.85

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 22:57

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.						

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.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141193.D Time Analyzed: 15:51

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	176385	6.81	697922	8.09	382539	9.85
	UPPER LIMIT	352770	7.31	1395844	8.592	765078	10.345
	LOWER LIMIT	88192.5	6.31	348961	7.592	191269.5	9.345
	EPA SAMPLE NO.						
01	PB166097BL	192217	6.81	782624	8.09	428613	9.84
02	366	188431	6.81	755853	8.09	409170	9.84
03	VNJ-241	200999	6.81	789580	8.09	418256	9.84
04	366	190013	6.81	745324	8.09	399267	9.84
05	366MS	202186	6.81	804021	8.09	425124	9.85
06	366MSD	194434	6.81	769284	8.09	402350	9.85
07	VNJ-214	194466	6.81	776667	8.09	415381	9.84
08	72-11995	191494	6.81	760379	8.09	407176	9.84
09	VNJ-213	194974	6.81	773923	8.09	337549	9.84
10	FILTER CAKE	182887	6.82	728487	8.09	369683	9.85
11	VNJ-213	208969	6.81	824346	8.09	430569	9.84
12	BIN-1	201610	6.81	802580	8.09	397983	9.85
13	VNJ-214	192388	6.81	744557	8.09	369628	9.85
14	VNJ-214MS	208256	6.81	803714	8.09	400010	9.85
15	VNJ-214MSD	211037	6.81	815596	8.10	399988	9.85
16	72-11995	176911	6.81	632694	8.09	276436	9.85
17	OK-01-1-16-2025	176715	6.81	620851	8.09	280009	9.85

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141193.D Time Analyzed: 22:57

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	176385	6.81	697922	8.09	382539	9.85
UPPER LIMIT	352770	7.31	1395844	8.592	765078	10.345
LOWER LIMIT	88192.5	6.31	348961	7.592	191269.5	9.345
EPA SAMPLE NO.						

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.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 15:51

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	PB166097BL	746936	11.33	558933	13.96	453032	15.42
02	366	692554	11.33	386575	13.96	422556	15.42
03	VNJ-241	620970	11.33	384766	13.97	408019	15.42
04	366	633641	11.33	393943	13.97	392840	15.43
05	366MS	665752	11.33	383734	13.97	396719	15.43
06	366MSD	637405	11.33	374444	13.97	360435	15.43
07	VNJ-214	680401	11.33	415705	13.97	400012	15.42
08	72-11995	640808	11.33	377870	13.97	383240	15.43
09	VNJ-213	645304	11.33	352535	13.97	106273 *	15.42
10	FILTER CAKE	525547	11.33	373282	13.97	384366	15.43
11	VNJ-213	661327	11.33	394222	13.97	409982	15.42
12	BIN-1	560882	11.33	400195	13.97	361883	15.42
13	VNJ-214	510283	11.33	398272	13.97	352190	15.42
14	VNJ-214MS	547983	11.33	397683	13.97	344513	15.42
15	VNJ-214MSD	540969	11.33	394660	13.97	327550	15.42
16	72-11995	414084	11.33	387045	13.97	303043	15.42
17	OK-01-1-16-2025	400761	11.33	368120	13.97	277808	15.43

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141113.D Time Analyzed: 22:57

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.						

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.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141193.D Time Analyzed: 15:51

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	649888	11.328	410187	13.969	390771	15.427
	UPPER LIMIT	1299776	11.828	820374	14.469	781542	15.927
	LOWER LIMIT	324944	10.828	205093.5	13.469	195385.5	14.927
	EPA SAMPLE NO.						
01	PB166097BL	746936	11.33	558933	13.96	453032	15.42
02	366	692554	11.33	386575	13.96	422556	15.42
03	VNJ-241	620970	11.33	384766	13.97	408019	15.42
04	366	633641	11.33	393943	13.97	392840	15.43
05	366MS	665752	11.33	383734	13.97	396719	15.43
06	366MSD	637405	11.33	374444	13.97	360435	15.43
07	VNJ-214	680401	11.33	415705	13.97	400012	15.42
08	72-11995	640808	11.33	377870	13.97	383240	15.43
09	VNJ-213	645304	11.33	352535	13.97	106273 *	15.42
10	FILTER CAKE	525547	11.33	373282	13.97	384366	15.43
11	VNJ-213	661327	11.33	394222	13.97	409982	15.42
12	BIN-1	560882	11.33	400195	13.97	361883	15.42
13	VNJ-214	510283	11.33	398272	13.97	352190	15.42
14	VNJ-214MS	547983	11.33	397683	13.97	344513	15.42
15	VNJ-214MSD	540969	11.33	394660	13.97	327550	15.42
16	72-11995	414084	11.33	387045	13.97	303043	15.42
17	OK-01-1-16-2025	400761	11.33	368120	13.97	277808	15.43

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF011725 SAS No.: BF011725 SDG NO.: BF011725

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 17 2025 12:00AM

Lab File ID: BF141193.D Time Analyzed: 22:57

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	649888	11.328	410187	13.969	390771	15.427
UPPER LIMIT	1299776	11.828	820374	14.469	781542	15.927
LOWER LIMIT	324944	10.828	205093.5	13.469	195385.5	14.927
EPA SAMPLE NO.						

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.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166097BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF011725

SAS No.: BF011725 SDG NO.: BF011725

Lab File ID: BF141194.D

Lab Sample ID: PB166097BL

Instrument ID: BNA_F

Date Extracted: 01/17/2025

Matrix: (soil/water) Solid

Date Analyzed: 01/17/2025

Level: (low/med) LOW

Time Analyzed: 15:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
366	Q1115-01	BF141195.D	01/17/2025
VNJ-241	Q1103-01	BF141196.D	01/17/2025
VNJ-213	Q1115-10	BF141204.D	01/17/2025
BIN-1	Q1110-01	BF141205.D	01/17/2025
VNJ-214	Q1115-04	BF141206.D	01/17/2025
VNJ-214MS	Q1115-04MS	BF141207.D	01/17/2025
VNJ-214MSD	Q1115-04MSD	BF141208.D	01/17/2025
72-11995	Q1115-07	BF141209.D	01/17/2025
OK-01-1-16-2025	Q1118-01	BF141210.D	01/17/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

366

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF011725

SAS No.: BF011725 SDG NO.: BF011725

Lab File ID: BF141197.D

Lab Sample ID: Q1115-02

Instrument ID: BNA_F

Date Extracted: 01/17/2025

Matrix: (soil/water) water

Date Analyzed: 01/17/2025

Level: (low/med) LOW

Time Analyzed: 17:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
366	Q1115-02	BF141197.D	01/17/2025
366MS	Q1115-02MS	BF141198.D	01/17/2025
366MSD	Q1115-02MSD	BF141199.D	01/17/2025
VNJ-214	Q1115-05	BF141200.D	01/17/2025
72-11995	Q1115-08	BF141201.D	01/17/2025
VNJ-213	Q1115-11	BF141202.D	01/17/2025
FILTER CAKE	Q1119-01	BF141203.D	01/17/2025

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1115-02MS		Client Sample ID: 366MS		DataFile: BF141198.D							
n-Nitrosodimethylamine	500		400	ug/L	80				10	130	
Pyridine	500		230	ug/L	46				10	109	
Benzaldehyde	500		57.6	ug/L	12				10	137	
Aniline	500		71.5	ug/L	14				10	130	
Phenol	500		380	ug/L	76				10	130	
bis(2-Chloroethyl)ether	500		430	ug/L	86				29	141	
2-Chlorophenol	500		440	ug/L	88				23	127	
1,2-Dichlorobenzene	500		400	ug/L	80				61	114	
1,3-Dichlorobenzene	500		390	ug/L	78				65	106	
1,4-Dichlorobenzene	500		390	ug/L	78				55	125	
Benzyl Alcohol	500		370	ug/L	74				31	94	
2-Methylphenol	500		440	ug/L	88				37	126	
2,2-oxybis(1-Chloropropane)	500		420	ug/L	84				36	141	
Acetophenone	500		430	ug/L	86				31	164	
3+4-Methylphenols	500		420	ug/L	84				31	127	
N-Nitroso-di-n-propylamine	500		440	ug/L	88				36	147	
Hexachloroethane	500		400	ug/L	80				49	110	
Nitrobenzene	500		400	ug/L	80				62	112	
Isophorone	500		450	ug/L	90				39	146	
2-Nitrophenol	500		450	ug/L	90				30	148	
2,4-Dimethylphenol	500		520	ug/L	104				17	143	
bis(2-Chloroethoxy)methane	500		420	ug/L	84				39	143	
2,4-Dichlorophenol	500		450	ug/L	90				22	146	
1,2,4-Trichlorobenzene	500		400	ug/L	80				66	110	
Benzoic acid	500		390	ug/L	78				10	101	
Naphthalene	500		410	ug/L	82				17	157	
4-Chloroaniline	500		28.5	ug/L	6	*			10	95	
Hexachlorobutadiene	500		410	ug/L	82				52	125	
Caprolactam	500		350	ug/L	70				10	130	
4-Chloro-3-methylphenol	500		440	ug/L	88				17	148	
2-Methylnaphthalene	500		430	ug/L	86				38	146	
Hexachlorocyclopentadiene	1000		1400	ug/L	140				20	153	
2,4,6-Trichlorophenol	500		460	ug/L	92				78	112	
2,4,5-Trichlorophenol	500		440	ug/L	88				71	111	
1,1-Biphenyl	500		440	ug/L	88				38	154	
2-Chloronaphthalene	500		430	ug/L	86				41	145	
2-Nitroaniline	500		410	ug/L	82				39	151	
Dimethylphthalate	500		460	ug/L	92				42	147	
Acenaphthylene	500		450	ug/L	90				40	141	
2,6-Dinitrotoluene	500		430	ug/L	86				43	148	
3-Nitroaniline	500		28.6	ug/L	6	*			10	111	
Acenaphthene	500		480	ug/L	96				37	146	
Total PAH	8000		6820	ug/L	85				37	146	
2,4-Dinitrophenol	1000		880	ug/L	88				14	167	
4-Nitrophenol	1000		730	ug/L	73				10	130	
Dibenzofuran	500		440	ug/L	88				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		450	ug/L	90				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		880	ug/L	88				50	142	
Diethylphthalate	500		450	ug/L	90				41	148	
4-Chlorophenyl-phenylether	500		440	ug/L	88				38	149	
Fluorene	500		430	ug/L	86				39	144	
4-Nitroaniline	500		250	ug/L	50				27	138	
4,6-Dinitro-2-methylphenol	500		500	ug/L	100				32	175	
N-Nitrosodiphenylamine	500		270	ug/L	54				40	150	
Azobenzene	500		410	ug/L	82				72	112	
4-Bromophenyl-phenylether	500		500	ug/L	100				42	151	
Hexachlorobenzene	500		480	ug/L	96				72	115	
Atrazine	500		240	ug/L	48				20	162	
Pentachlorophenol	1000		870	ug/L	87				25	139	
Phenanthrene	500		460	ug/L	92				40	147	
Anthracene	500		480	ug/L	96				41	146	
Carbazole	500		310	ug/L	62				37	154	
Di-n-butylphthalate	500		490	ug/L	98				40	151	
Fluoranthene	500		400	ug/L	80				42	146	
Benzidine	1000			ug/L	0	*			10	130	
Pyrene	500		380	ug/L	76				41	149	
Butylbenzylphthalate	500		460	ug/L	92				39	155	
3,3-Dichlorobenzidine	500			ug/L	0	*			10	114	
Benzo(a)anthracene	500		440	ug/L	88				41	147	
Chrysene	500		440	ug/L	88				44	144	
bis(2-Ethylhexyl)phthalate	500		490	ug/L	98				33	160	
Di-n-octyl phthalate	500		550	ug/L	110				36	158	
Benzo(b)fluoranthene	500		490	ug/L	98				40	150	
Benzo(k)fluoranthene	500		510	ug/L	102				40	147	
Benzo(a)pyrene	500		510	ug/L	102				42	147	
Indeno(1,2,3-cd)pyrene	500		330	ug/L	66				30	166	
Dibenz(a,h)anthracene	500		340	ug/L	68				23	172	
Benzo(g,h,i)perylene	500		270	ug/L	54				27	167	
1,2,4,5-Tetrachlorobenzene	500		440	ug/L	88	*			89	102	
1,4-Dioxane	500		350	ug/L	70				38	130	
2,3,4,6-Tetrachlorophenol	500		460	ug/L	92				91	111	
1-Methylnaphthalene	500		410	ug/L	82				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1115-02MSD		Client Sample ID: 366MSD		DataFile: BF141199.D							
n-Nitrosodimethylamine	500		410	ug/L	82		2		10	130	20
Pyridine	500		230	ug/L	46		0		10	109	20
Benzaldehyde	500		58.1	ug/L	12		0		10	137	20
Aniline	500		58.4	ug/L	12		15		10	130	20
Phenol	500		380	ug/L	76		0		10	130	20
bis(2-Chloroethyl)ether	500		430	ug/L	86		0		29	141	20
2-Chlorophenol	500		460	ug/L	92		4		23	127	20
1,2-Dichlorobenzene	500		400	ug/L	80		0		61	114	20
1,3-Dichlorobenzene	500		390	ug/L	78		0		65	106	20
1,4-Dichlorobenzene	500		390	ug/L	78		0		55	125	20
Benzyl Alcohol	500		350	ug/L	70		6		31	94	20
2-Methylphenol	500		440	ug/L	88		0		37	126	20
2,2-oxybis(1-Chloropropane)	500		430	ug/L	86		2		36	141	20
Acetophenone	500		440	ug/L	88		2		31	164	20
3+4-Methylphenols	500		430	ug/L	86		2		31	127	20
N-Nitroso-di-n-propylamine	500		450	ug/L	90		2		36	147	20
Hexachloroethane	500		400	ug/L	80		0		49	110	20
Nitrobenzene	500		410	ug/L	82		2		62	112	20
Isophorone	500		460	ug/L	92		2		39	146	20
2-Nitrophenol	500		470	ug/L	94		4		30	148	20
2,4-Dimethylphenol	500		530	ug/L	106		2		17	143	20
bis(2-Chloroethoxy)methane	500		420	ug/L	84		0		39	143	20
2,4-Dichlorophenol	500		460	ug/L	92		2		22	146	20
1,2,4-Trichlorobenzene	500		410	ug/L	82		2		66	110	20
Benzoic acid	500		410	ug/L	82		5		10	101	20
Naphthalene	500		420	ug/L	84		2		17	157	20
4-Chloroaniline	500		21.1	ug/L	4	*	40	*	10	95	20
Hexachlorobutadiene	500		410	ug/L	82		0		52	125	20
Caprolactam	500		360	ug/L	72		3		10	130	20
4-Chloro-3-methylphenol	500		450	ug/L	90		2		17	148	20
2-Methylnaphthalene	500		440	ug/L	88		2		38	146	20
Hexachlorocyclopentadiene	1000		1500	ug/L	150		7		20	153	20
2,4,6-Trichlorophenol	500		480	ug/L	96		4		78	112	20
2,4,5-Trichlorophenol	500		450	ug/L	90		2		71	111	20
1,1-Biphenyl	500		450	ug/L	90		2		38	154	20
2-Chloronaphthalene	500		430	ug/L	86		0		41	145	20
2-Nitroaniline	500		410	ug/L	82		0		39	151	20
Dimethylphthalate	500		480	ug/L	96		4		42	147	20
Acenaphthylene	500		470	ug/L	94		4		40	141	20
2,6-Dinitrotoluene	500		450	ug/L	90		5		43	148	20
3-Nitroaniline	500		26.1	ug/L	5	*	18		10	111	20
Acenaphthene	500		500	ug/L	100		4		37	146	20
Total PAH	8000		7060	ug/L	88		3		37	146	20
2,4-Dinitrophenol	1000		940	ug/L	94		7		14	167	20
4-Nitrophenol	1000		720	ug/L	72		1		10	130	20
Dibenzofuran	500		450	ug/L	90		2		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		470	ug/L	94		4		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		920	ug/L	92		4		50	142	20
Diethylphthalate	500		470	ug/L	94		4		41	148	20
4-Chlorophenyl-phenylether	500		450	ug/L	90		2		38	149	20
Fluorene	500		440	ug/L	88		2		39	144	20
4-Nitroaniline	500		230	ug/L	46		8		27	138	20
4,6-Dinitro-2-methylphenol	500		530	ug/L	106		6		32	175	20
N-Nitrosodiphenylamine	500		230	ug/L	46		16		40	150	20
Azobenzene	500		420	ug/L	84		2		72	112	20
4-Bromophenyl-phenylether	500		510	ug/L	102		2		42	151	20
Hexachlorobenzene	500		490	ug/L	98		2		72	115	20
Atrazine	500		170	ug/L	34		34	*	20	162	20
Pentachlorophenol	1000		910	ug/L	91		4		25	139	20
Phenanthrene	500		480	ug/L	96		4		40	147	20
Anthracene	500		490	ug/L	98		2		41	146	20
Carbazole	500		260	ug/L	52		18		37	154	20
Di-n-butylphthalate	500		510	ug/L	102		4		40	151	20
Fluoranthene	500		410	ug/L	82		2		42	146	20
Benzidine	1000			ug/L	0	*			10	130	20
Pyrene	500		380	ug/L	76		0		41	149	20
Butylbenzylphthalate	500		460	ug/L	92		0		39	155	20
3,3-Dichlorobenzidine	500			ug/L	0	*			10	114	20
Benzo(a)anthracene	500		440	ug/L	88		0		41	147	20
Chrysene	500		430	ug/L	86		2		44	144	20
bis(2-Ethylhexyl)phthalate	500		510	ug/L	102		4		33	160	20
Di-n-octyl phthalate	500		550	ug/L	110		0		36	158	20
Benzo(b)fluoranthene	500		520	ug/L	104		6		40	150	20
Benzo(k)fluoranthene	500		550	ug/L	110		8		40	147	20
Benzo(a)pyrene	500		540	ug/L	108		6		42	147	20
Indeno(1,2,3-cd)pyrene	500		350	ug/L	70		6		30	166	20
Dibenz(a,h)anthracene	500		360	ug/L	72		6		23	172	20
Benzo(g,h,i)perylene	500		280	ug/L	56		4		27	167	20
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92		4		89	102	20
1,4-Dioxane	500		360	ug/L	72		3		38	130	20
2,3,4,6-Tetrachlorophenol	500		480	ug/L	96		4		91	111	20
1-Methylnaphthalene	500		420	ug/L	84		2		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1115-04MS		Client Sample ID: VNJ-214MS					DataFile: BF141207.D				
n-Nitrosodimethylamine	1300		1000	ug/Kg	77				66	124	
Pyridine	1300		750	ug/Kg	58				45	119	
Benzaldehyde	1300		190	ug/Kg	15				10	86	
Aniline	1300		350	ug/Kg	27				10	88	
Phenol	1300		1000	ug/Kg	77				67	126	
bis(2-Chloroethyl)ether	1300		1100	ug/Kg	85				54	125	
2-Chlorophenol	1300		1100	ug/Kg	85				79	107	
1,2-Dichlorobenzene	1300		1000	ug/Kg	77				61	105	
1,3-Dichlorobenzene	1300		1000	ug/Kg	77				62	101	
1,4-Dichlorobenzene	1300		1000	ug/Kg	77				63	104	
Benzyl Alcohol	1300		1100	ug/Kg	85				47	126	
2-Methylphenol	1300		1100	ug/Kg	85				66	122	
2,2-oxybis(1-Chloropropane)	1300		1000	ug/Kg	77				65	110	
Acetophenone	1300		1100	ug/Kg	85				75	111	
3+4-Methylphenols	1300		1000	ug/Kg	77				66	104	
N-Nitroso-di-n-propylamine	1300		1100	ug/Kg	85				59	119	
Hexachloroethane	1300		1000	ug/Kg	77				65	117	
Nitrobenzene	1300		1000	ug/Kg	77				70	119	
Isophorone	1300		1100	ug/Kg	85				76	122	
2-Nitrophenol	1300		1100	ug/Kg	85				54	145	
2,4-Dimethylphenol	1300		1300	ug/Kg	100				44	135	
bis(2-Chloroethoxy)methane	1300		1100	ug/Kg	85				68	112	
2,4-Dichlorophenol	1300		1100	ug/Kg	85				72	118	
1,2,4-Trichlorobenzene	1300		1000	ug/Kg	77				57	103	
Benzoic acid	1300		1000	ug/Kg	77				50	104	
Naphthalene	1300		1000	ug/Kg	77				72	110	
4-Chloroaniline	1300		120	ug/Kg	9	*			10	91	
Hexachlorobutadiene	1300		1100	ug/Kg	85				66	114	
Caprolactam	1300		1100	ug/Kg	85				51	134	
4-Chloro-3-methylphenol	1300		1100	ug/Kg	85				57	132	
2-Methylnaphthalene	1300		1100	ug/Kg	85				59	123	
Hexachlorocyclopentadiene	2600		2600	ug/Kg	100				10	175	
2,4,6-Trichlorophenol	1300		1200	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1300		1100	ug/Kg	85				72	117	
1,1-Biphenyl	1300		1100	ug/Kg	85				75	113	
2-Chloronaphthalene	1300		1100	ug/Kg	85				67	118	
2-Nitroaniline	1300		1100	ug/Kg	85				69	127	
Dimethylphthalate	1300		1200	ug/Kg	92				70	113	
Acenaphthylene	1300		1100	ug/Kg	85				79	118	
2,6-Dinitrotoluene	1300		1100	ug/Kg	85				70	125	
3-Nitroaniline	1300		600	ug/Kg	46				30	99	
Acenaphthene	1300		1100	ug/Kg	85				70	121	
Total PAH	20800	1069.2	17330	ug/Kg	83				70	121	
2,4-Dinitrophenol	2600		1800	ug/Kg	69				10	155	
4-Nitrophenol	2600		1900	ug/Kg	73				45	133	
Dibenzofuran	1300		1100	ug/Kg	85				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

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	2600		2200	ug/Kg	85				55	128	
2,4-Dinitrotoluene	1300		1100	ug/Kg	85				55	128	
Diethylphthalate	1300		1100	ug/Kg	85				70	112	
4-Chlorophenyl-phenylether	1300		1100	ug/Kg	85				71	108	
Fluorene	1300		1000	ug/Kg	77				68	116	
4-Nitroaniline	1300		860	ug/Kg	66				55	120	
4,6-Dinitro-2-methylphenol	1300		1200	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1300		1300	ug/Kg	100				73	118	
Azobenzene	1300		1100	ug/Kg	85				73	110	
4-Bromophenyl-phenylether	1300		1300	ug/Kg	100				65	121	
Hexachlorobenzene	1300		1200	ug/Kg	92				67	118	
Atrazine	1300		1500	ug/Kg	115				79	127	
Pentachlorophenol	2600		2100	ug/Kg	81				47	128	
Phenanthrene	1300	230	1300	ug/Kg	82				52	128	
Anthracene	1300		1200	ug/Kg	92				62	124	
Carbazole	1300		1100	ug/Kg	85				59	119	
Di-n-butylphthalate	1300		1200	ug/Kg	92				69	118	
Fluoranthene	1300	240	1200	ug/Kg	74				44	125	
Benzdine	2600		870	ug/Kg	33				10	119	
Pyrene	1300	150	940	ug/Kg	61				26	142	
Butylbenzylphthalate	1300		1000	ug/Kg	77				64	126	
3,3-Dichlorobenzidine	1300		580	ug/Kg	45				33	116	
Benzo(a)anthracene	1300	120	1100	ug/Kg	75				71	114	
Chrysene	1300	100	1200	ug/Kg	85				57	121	
bis(2-Ethylhexyl)phthalate	1300		1100	ug/Kg	85				42	169	
Di-n-octyl phthalate	1300		1300	ug/Kg	100				23	175	
Benzo(b)fluoranthene	1300	130	1300	ug/Kg	90				67	121	
Benzo(k)fluoranthene	1300		1200	ug/Kg	92				57	134	
Benzo(a)pyrene	1300	99.2	1300	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1300		830	ug/Kg	64				40	129	
Dibenz(a,h)anthracene	1300		840	ug/Kg	65				43	123	
Benzo(g,h,i)perylene	1300		720	ug/Kg	55				24	125	
1,2,4,5-Tetrachlorobenzene	1300		1100	ug/Kg	85				69	124	
1,4-Dioxane	1300		910	ug/Kg	70				46	112	
2,3,4,6-Tetrachlorophenol	1300		1000	ug/Kg	77				69	112	
1-Methylnaphthalene	1300		1000	ug/Kg	77				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1115-04MSD		Client Sample ID: VNJ-214MSD		DataFile: BF141208.D							
n-Nitrosodimethylamine	1300		1000	ug/Kg	77		0		66	124	20
Pyridine	1300		850	ug/Kg	65		11		45	119	20
Benzaldehyde	1300		190	ug/Kg	15		0		10	86	20
Aniline	1300		390	ug/Kg	30		11		10	88	20
Phenol	1300		1000	ug/Kg	77		0		67	126	20
bis(2-Chloroethyl)ether	1300		1100	ug/Kg	85		0		54	125	20
2-Chlorophenol	1300		1100	ug/Kg	85		0		79	107	20
1,2-Dichlorobenzene	1300		1000	ug/Kg	77		0		61	105	20
1,3-Dichlorobenzene	1300		1000	ug/Kg	77		0		62	101	20
1,4-Dichlorobenzene	1300		1000	ug/Kg	77		0		63	104	20
Benzyl Alcohol	1300		1100	ug/Kg	85		0		47	126	20
2-Methylphenol	1300		1100	ug/Kg	85		0		66	122	20
2,2-oxybis(1-Chloropropane)	1300		1000	ug/Kg	77		0		65	110	20
Acetophenone	1300		1100	ug/Kg	85		0		75	111	20
3+4-Methylphenols	1300		1000	ug/Kg	77		0		66	104	20
N-Nitroso-di-n-propylamine	1300		1100	ug/Kg	85		0		59	119	20
Hexachloroethane	1300		1000	ug/Kg	77		0		65	117	20
Nitrobenzene	1300		1000	ug/Kg	77		0		70	119	20
Isophorone	1300		1100	ug/Kg	85		0		76	122	20
2-Nitrophenol	1300		1100	ug/Kg	85		0		54	145	20
2,4-Dimethylphenol	1300		1300	ug/Kg	100		0		44	135	20
bis(2-Chloroethoxy)methane	1300		1100	ug/Kg	85		0		68	112	20
2,4-Dichlorophenol	1300		1100	ug/Kg	85		0		72	118	20
1,2,4-Trichlorobenzene	1300		1000	ug/Kg	77		0		57	103	20
Benzoic acid	1300		1000	ug/Kg	77		0		50	104	20
Naphthalene	1300		1000	ug/Kg	77		0		72	110	20
4-Chloroaniline	1300		140	ug/Kg	11		20		10	91	20
Hexachlorobutadiene	1300		1100	ug/Kg	85		0		66	114	20
Caprolactam	1300		1000	ug/Kg	77		10		51	134	20
4-Chloro-3-methylphenol	1300		1100	ug/Kg	85		0		57	132	20
2-Methylnaphthalene	1300		1100	ug/Kg	85		0		59	123	20
Hexachlorocyclopentadiene	2600		2200	ug/Kg	85		16		10	175	20
2,4,6-Trichlorophenol	1300		1100	ug/Kg	85		8		72	117	20
2,4,5-Trichlorophenol	1300		1100	ug/Kg	85		0		72	117	20
1,1-Biphenyl	1300		1100	ug/Kg	85		0		75	113	20
2-Chloronaphthalene	1300		1100	ug/Kg	85		0		67	118	20
2-Nitroaniline	1300		1100	ug/Kg	85		0		69	127	20
Dimethylphthalate	1300		1200	ug/Kg	92		0		70	113	20
Acenaphthylene	1300		1100	ug/Kg	85		0		79	118	20
2,6-Dinitrotoluene	1300		1100	ug/Kg	85		0		70	125	20
3-Nitroaniline	1300		580	ug/Kg	45		2		30	99	20
Acenaphthene	1300		1100	ug/Kg	85		0		70	121	20
Total PAH	20800	1069.2	17470	ug/Kg	84		1		70	121	20
2,4-Dinitrophenol	2600		1700	ug/Kg	65		6		10	155	20
4-Nitrophenol	2600		1900	ug/Kg	73		0		45	133	20
Dibenzofuran	1300		1100	ug/Kg	85		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF011725

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	2600		2100	ug/Kg	81		5		55	128	20
2,4-Dinitrotoluene	1300		1000	ug/Kg	77		10		55	128	20
Diethylphthalate	1300		1100	ug/Kg	85		0		70	112	20
4-Chlorophenyl-phenylether	1300		1000	ug/Kg	77		10		71	108	20
Fluorene	1300		1000	ug/Kg	77		0		68	116	20
4-Nitroaniline	1300		850	ug/Kg	65		2		55	120	20
4,6-Dinitro-2-methylphenol	1300		1100	ug/Kg	85		8		10	160	20
N-Nitrosodiphenylamine	1300		1300	ug/Kg	100		0		73	118	20
Azobenzene	1300		1100	ug/Kg	85		0		73	110	20
4-Bromophenyl-phenylether	1300		1300	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1300		1200	ug/Kg	92		0		67	118	20
Atrazine	1300		1500	ug/Kg	115		0		79	127	20
Pentachlorophenol	2600		2100	ug/Kg	81		0		47	128	20
Phenanthrene	1300	230	1300	ug/Kg	82		0		52	128	20
Anthracene	1300		1200	ug/Kg	92		0		62	124	20
Carbazole	1300		1100	ug/Kg	85		0		59	119	20
Di-n-butylphthalate	1300		1200	ug/Kg	92		0		69	118	20
Fluoranthene	1300	240	1200	ug/Kg	74		0		44	125	20
Benzidine	2600		1100	ug/Kg	42		24	*	10	119	20
Pyrene	1300	150	940	ug/Kg	61		0		26	142	20
Butylbenzylphthalate	1300		1000	ug/Kg	77		0		64	126	20
3,3-Dichlorobenzidine	1300		660	ug/Kg	51		13		33	116	20
Benzo(a)anthracene	1300	120	1100	ug/Kg	75		0		71	114	20
Chrysene	1300	100	1200	ug/Kg	85		0		57	121	20
bis(2-Ethylhexyl)phthalate	1300		1100	ug/Kg	85		0		42	169	20
Di-n-octyl phthalate	1300		1300	ug/Kg	100		0		23	175	20
Benzo(b)fluoranthene	1300	130	1400	ug/Kg	98		9		67	121	20
Benzo(k)fluoranthene	1300		1200	ug/Kg	92		0		57	134	20
Benzo(a)pyrene	1300	99.2	1300	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1300		850	ug/Kg	65		2		40	129	20
Dibenz(a,h)anthracene	1300		840	ug/Kg	65		0		43	123	20
Benzo(g,h,i)perylene	1300		740	ug/Kg	57		4		24	125	20
1,2,4,5-Tetrachlorobenzene	1300		1100	ug/Kg	85		0		69	124	20
1,4-Dioxane	1300		920	ug/Kg	71		1		46	112	20
2,3,4,6-Tetrachlorophenol	1300		1000	ug/Kg	77		0		69	112	20
1-Methylnaphthalene	1300		970	ug/Kg	75		3		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF011725**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB166097BL	PB166097BL	BF141194.D	2-Fluorophenol	150	117.16	78		18	112
			Phenol-d6	150	115.70	77		15	107
			Nitrobenzene-d5	100	80.08	80		18	107
			2-Fluorobiphenyl	100	79.21	79		20	109
			2,4,6-Tribromophenol	150	126.54	84		10	116
			Terphenyl-d14	100	72.91	73		10	105
Q1103-01	VNJ-241	BF141196.D	2-Fluorophenol	150	76.23	51		18	112
			Phenol-d6	150	75.51	50		15	107
			Nitrobenzene-d5	100	53.78	54		18	107
			2-Fluorobiphenyl	100	54.47	54		20	109
			2,4,6-Tribromophenol	150	75.00	50		10	116
			Terphenyl-d14	100	45.71	46		10	105
Q1110-01	BIN-1	BF141205.D	2-Fluorophenol	150	106.58	71		18	112
			Phenol-d6	150	104.86	70		15	107
			Nitrobenzene-d5	100	74.05	74		18	107
			2-Fluorobiphenyl	100	76.38	76		20	109
			2,4,6-Tribromophenol	150	106.20	71		10	116
			Terphenyl-d14	100	61.22	61		10	105
Q1115-01	366	BF141195.D	2-Fluorophenol	150	125.74	84		18	112
			Phenol-d6	150	125.11	83		15	107
			Nitrobenzene-d5	100	85.98	86		18	107
			2-Fluorobiphenyl	100	79.34	79		20	109
			2,4,6-Tribromophenol	150	138.56	92		10	116
			Terphenyl-d14	100	78.35	78		10	105
Q1115-04	VNJ-214	BF141206.D	2-Fluorophenol	150	104.57	70		18	112
			Phenol-d6	150	102.80	69		15	107
			Nitrobenzene-d5	100	74.22	74		18	107
			2-Fluorobiphenyl	100	73.76	74		20	109
			2,4,6-Tribromophenol	150	102.60	68		10	116
			Terphenyl-d14	100	52.51	53		10	105
Q1115-04MS	VNJ-214MS	BF141207.D	2-Fluorophenol	150	93.29	62		18	112
			Phenol-d6	150	93.20	62		15	107
			Nitrobenzene-d5	100	67.39	67		18	107
			2-Fluorobiphenyl	100	66.56	67		20	109
			2,4,6-Tribromophenol	150	94.32	63		10	116
			Terphenyl-d14	100	49.45	49		10	105
Q1115-04MSD	VNJ-214MSD	BF141208.D	2-Fluorophenol	150	93.98	63		18	112
			Phenol-d6	150	93.67	62		15	107
			Nitrobenzene-d5	100	67.35	67		18	107
			2-Fluorobiphenyl	100	67.25	67		20	109
			2,4,6-Tribromophenol	150	91.63	61		10	116
			Terphenyl-d14	100	49.95	50		10	105
Q1115-07	72-11995	BF141209.D	2-Fluorophenol	150	81.72	54		18	112
			Phenol-d6	150	77.36	52		15	107
			Nitrobenzene-d5	100	59.24	59		18	107
			2-Fluorobiphenyl	100	61.60	62		20	109
			2,4,6-Tribromophenol	150	77.83	52		10	116
			Terphenyl-d14	100	39.29	39		10	105
Q1115-10	VNJ-213	BF141204.D	2-Fluorophenol	150	69.15	46		18	112

Surrogate Summary

SW-846

SDG No.: **BF011725**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
Q1115-10	VNJ-213	BF141204.D	Phenol-d6	150	68.54	46		15	107
			Nitrobenzene-d5	100	48.17	48		18	107
			2-Fluorobiphenyl	100	46.01	46		20	109
			2,4,6-Tribromophenol	150	71.13	47		10	116
			Terphenyl-d14	100	37.02	37		10	105
Q1118-01	OK-01-1-16-2025	BF141210.D	2-Fluorophenol	150	79.38	53		18	112
			Phenol-d6	150	76.52	51		15	107
			Nitrobenzene-d5	100	59.18	59		18	107
			2-Fluorobiphenyl	100	63.36	63		20	109
			2,4,6-Tribromophenol	150	76.30	51		10	116
			Terphenyl-d14	100	47.16	47		10	105

Surrogate Summary

SW-846

SDG No.: **BF011725**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
Q1115-02	366	BF141197.D	2-Fluorophenol	150	114.95	77		10	139
			Phenol-d6	150	104.83	70		10	134
			Nitrobenzene-d5	100	86.84	87		49	133
			2-Fluorobiphenyl	100	84.62	85		52	132
			2,4,6-Tribromophenol	150	137.18	91		44	137
			Terphenyl-d14	100	77.05	77		48	125
Q1115-02MS	366MS	BF141198.D	2-Fluorophenol	150	119.25	79		10	139
			Phenol-d6	150	113.55	76		10	134
			Nitrobenzene-d5	100	86.91	87		49	133
			2-Fluorobiphenyl	100	86.01	86		52	132
			2,4,6-Tribromophenol	150	135.24	90		44	137
			Terphenyl-d14	100	76.17	76		48	125
Q1115-02MSD	366MSD	BF141199.D	2-Fluorophenol	150	120.85	81		10	139
			Phenol-d6	150	114.01	76		10	134
			Nitrobenzene-d5	100	88.85	89		49	133
			2-Fluorobiphenyl	100	88.41	88		52	132
			2,4,6-Tribromophenol	150	140.68	94		44	137
			Terphenyl-d14	100	77.84	78		48	125
Q1115-05	VNJ-214	BF141200.D	2-Fluorophenol	150	114.37	76		10	139
			Phenol-d6	150	101.80	68		10	134
			Nitrobenzene-d5	100	86.83	87		49	133
			2-Fluorobiphenyl	100	85.29	85		52	132
			2,4,6-Tribromophenol	150	140.83	94		44	137
			Terphenyl-d14	100	84.57	85		48	125
Q1115-08	72-11995	BF141201.D	2-Fluorophenol	150	126.34	84		10	139
			Phenol-d6	150	118.61	79		10	134
			Nitrobenzene-d5	100	90.68	91		49	133
			2-Fluorobiphenyl	100	89.98	90		52	132
			2,4,6-Tribromophenol	150	140.47	94		44	137
			Terphenyl-d14	100	87.36	87		48	125
Q1115-11	VNJ-213	BF141202.D	2-Fluorophenol	150	117.95	79		10	139
			Phenol-d6	150	92.49	62		10	134
			Nitrobenzene-d5	100	89.61	90		49	133
			2-Fluorobiphenyl	100	106.74	107		52	132
			2,4,6-Tribromophenol	150	174.40	116		44	137
			Terphenyl-d14	100	95.68	96		48	125
Q1119-01	FILTER CAKE	BF141203.D	2-Fluorophenol	150	111.60	74		10	139
			Phenol-d6	150	110.28	74		10	134
			Nitrobenzene-d5	100	77.20	77		49	133
			2-Fluorobiphenyl	100	71.22	71		52	132
			2,4,6-Tribromophenol	150	122.10	81		44	137
			Terphenyl-d14	100	43.25	43	*	48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF011725

Lab Code: CHEM

SAS No.: BF011725 SDG NO.: BF011725

Lab File ID: BF141192.D

DFTPP Injection Date: 01/17/2025

Instrument ID: BNA_F

DFTPP Injection Time: 14:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.6
70	Less than 2.0% of mass 69	0.0 (0.1) 1
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	94.8
443	15.0 - 24.0% of mass 442	18.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141193.D	01/17/2025	15:25
PB166097BL	PB166097BL	BF141194.D	01/17/2025	15:51
366	Q1115-01	BF141195.D	01/17/2025	16:21
VNJ-241	Q1103-01	BF141196.D	01/17/2025	16:48
366	Q1115-02	BF141197.D	01/17/2025	17:14
366MS	Q1115-02MS	BF141198.D	01/17/2025	17:41
366MSD	Q1115-02MSD	BF141199.D	01/17/2025	18:07
VNJ-214	Q1115-05	BF141200.D	01/17/2025	18:33
72-11995	Q1115-08	BF141201.D	01/17/2025	18:59
VNJ-213	Q1115-11	BF141202.D	01/17/2025	19:26
FILTER CAKE	Q1119-01	BF141203.D	01/17/2025	19:52
VNJ-213	Q1115-10	BF141204.D	01/17/2025	20:18
BIN-1	Q1110-01	BF141205.D	01/17/2025	20:44
VNJ-214	Q1115-04	BF141206.D	01/17/2025	21:11
VNJ-214MS	Q1115-04MS	BF141207.D	01/17/2025	21:37
VNJ-214MSD	Q1115-04MSD	BF141208.D	01/17/2025	22:04
72-11995	Q1115-07	BF141209.D	01/17/2025	22:30
OK-01-1-16-2025	Q1118-01	BF141210.D	01/17/2025	22:57