

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF090924 SAS No.: BF090924 SDG No.: BF090924

Instrument ID: BNA_F Calibration Date/Time: 9/9/2024 12:12:03

Lab File ID: BF139280.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	0.873	0.796		-8.82	
Pyridine	1.344	1.203		-10.491	
2-Fluorophenol	1.196	1.125		-5.936	
Benzaldehyde	0.966	0.820		-15.114	
Aniline	1.468	1.370		-6.676	
Phenol-d6	1.596	1.490		-6.642	
Phenol	1.683	1.581		-6.061	20.0
bis(2-Chloroethyl) ether	1.206	1.162		-3.648	
2-Chlorophenol	1.239	1.203		-2.906	
1,2-Dichlorobenzene	1.309	1.252		-4.354	
1,3-Dichlorobenzene	1.402	1.323		-5.635	
1,4-Dichlorobenzene	1.404	1.340		-4.558	20.0
Benzyl Alcohol	1.164	1.135		-2.491	
2-Methylphenol	1.012	0.959		-5.237	
2,2-oxybis(1-Chloropropane)	2.296	2.139		-6.838	
Acetophenone	0.476	0.452		-5.042	
3+4-Methylphenols	1.276	1.216		-4.702	
n-Nitroso-di-n-propylamine	0.919	0.877	0.050	-4.57	
Nitrobenzene-d5	0.384	0.374		-2.604	
Hexachloroethane	0.501	0.489		-2.395	
Nitrobenzene	0.408	0.388		-4.902	
Isophorone	0.657	0.635		-3.349	
2-Nitrophenol	0.160	0.165		3.125	20.0
2,4-Dimethylphenol	0.229	0.223		-2.62	
bis(2-Chloroethoxy) methane	0.392	0.379		-3.316	
2,4-Dichlorophenol	0.274	0.267		-2.555	20.0
1,2,4-Trichlorobenzene	0.313	0.304		-2.875	
Benzoic acid	0.208	0.217		4.327	
Naphthalene	1.013	0.963		-4.936	
4-Chloroaniline	0.351	0.332		-5.413	
Hexachlorobutadiene	0.198	0.195		-1.515	20.0
Caprolactam	0.085	0.084		-1.176	
4-Chloro-3-methylphenol	0.298	0.293		-1.678	20.0
2-Methylnaphthalene	0.634	0.604		-4.732	
Hexachlorocyclopentadiene	0.182	0.184	0.050	1.099	
2,4,6-Trichlorophenol	0.370	0.364		-1.622	20.0
2-Fluorobiphenyl	1.296	1.217		-6.096	
2,4,5-Trichlorophenol	0.388	0.375		-3.351	
1,1-Biphenyl	1.482	1.395		-5.87	

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Lab File ID: BF139280.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	1.119	1.060		-5.273	
2-Nitroaniline	0.385	0.386		0.26	
Dimethylphthalate	1.212	1.187		-2.063	
Acenaphthylene	1.685	1.617		-4.036	
2,6-Dinitrotoluene	0.275	0.276		0.364	
3-Nitroaniline	0.293	0.285		-2.73	
Acenaphthene	1.118	1.081		-3.309	20.0
2,4-Dinitrophenol	0.118	0.130	0.050	10.169	
4-Nitrophenol	0.216	0.215	0.050	-0.463	
Dibenzofuran	1.603	1.544		-3.681	
2,4-Dinitrotoluene	0.350	0.359		2.571	
Diethylphthalate	1.193	1.203		0.838	
4-Chlorophenyl-phenylether	0.599	0.572		-4.508	
Fluorene	1.242	1.189		-4.267	
4-Nitroaniline	0.279	0.286		2.509	
4,6-Dinitro-2-methylphenol	0.092	0.096		4.348	
n-Nitrosodiphenylamine	0.582	0.554		-4.811	20.0
Azobenzene	1.257	1.233		-1.909	
2,4,6-Tribromophenol	0.173	0.174		0.578	
4-Bromophenyl-phenylether	0.194	0.191		-1.546	
Hexachlorobenzene	0.222	0.213		-4.054	
Atrazine	0.134	0.121		-9.701	
Pentachlorophenol	0.128	0.137		7.031	20.0
Phenanthrene	0.934	0.884		-5.353	
Anthracene	0.913	0.876		-4.053	
Carbazole	0.853	0.829		-2.814	
Di-n-butylphthalate	0.873	0.928		6.3	
Fluoranthene	0.937	0.926		-1.174	20.0
Benzidine	0.403	0.500		24.069	
Pyrene	1.932	1.927		-0.259	
Terphenyl-d14	1.239	1.234		-0.404	
Butylbenzylphthalate	0.455	0.552		21.319	
3,3-Dichlorobenzidine	0.339	0.357		5.31	
Benzo(a)anthracene	1.277	1.281		0.313	
Chrysene	1.192	1.119		-6.124	
Bis(2-ethylhexyl)phthalate	0.534	0.600		12.36	
Di-n-octyl phthalate	1.022	1.066		4.305	20.0
Benzo(b)fluoranthene	1.152	1.122		-2.604	
Benzo(k)fluoranthene	1.033	1.014		-1.839	

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Lab Code: CHEM Case No.: BF090924 SAS No.: BF090924 SDG No.: BF090924

Instrument ID: BNA_F Calibration Date/Time: 9/9/2024 12:12:03

Lab File ID: BF139280.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	0.978	0.973		-0.511	20.0
Indeno(1,2,3-cd)pyrene	1.249	1.213		-2.882	
Dibenzo(a,h)anthracene	1.030	0.997		-3.204	
Benzo(g,h,i)perylene	1.063	1.031		-3.01	
1,2,4,5-Tetrachlorobenzene	0.566	0.543		-4.064	
1,4-Dioxane	0.557	0.486		-12.747	20.0
2,3,4,6-Tetrachlorophenol	0.305	0.304		-0.328	
1-Methylnaphthalene	0.623	0.588		-5.618	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BL	SDG No.:	BF090924
Lab Sample ID:	PB163214BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BF139281.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

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

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BL	SDG No.:	BF090924
Lab Sample ID:	PB163214BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139281.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

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

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BL	SDG No.:	BF090924
Lab Sample ID:	PB163214BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139281.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.726		18-112		79	SPK: -150
13127-88-3	Phenol-d6	115.775		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	82.107		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	77.712		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BL	SDG No.:	BF090924
Lab Sample ID:	PB163214BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139281.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	121.51		10-116		81	SPK: -150
1718-51-0	Terphenyl-d14	78.715		10-105		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162531	6.887				
1146-65-2	Naphthalene-d8	625793	8.169				
15067-26-2	Acenaphthene-d10	345706	9.922				
1517-22-2	Phenanthrene-d10	646106	11.41				
1719-03-5	Chrysene-d12	372881	14.051				
1520-96-3	Perylene-d12	284691	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	94.9	J			2.246	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A			5.134	
001560-98-1	Octacosane, 2-methyl-	120	J			16.009	
007098-22-8	Tetratetracontane	140	J			16.527	
000630-04-6	Hentriacontane	100	J			17.139	
000629-94-7	Heneicosane	100	J			17.857	
000112-95-8	Eicosane	67	J			18.715	

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BS	SDG No.:	BF090924
Lab Sample ID:	PB163214BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139282.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1400		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	530		180	270	330	ug/Kg
62-53-3	Aniline	1700		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1700		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1600		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	980		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BS	SDG No.:	BF090924
Lab Sample ID:	PB163214BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139282.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6000	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1800		81	130	170	ug/Kg
Total PAH	Total PAH	27000		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1700		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	130	170	ug/Kg
1912-24-9	Atrazine	2300		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BS	SDG No.:	BF090924
Lab Sample ID:	PB163214BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139282.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3300	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	130	170	ug/Kg
120-12-7	Anthracene	1700		84.3	130	170	ug/Kg
86-74-8	Carbazole	1700		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1900		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1700		81.6	130	170	ug/Kg
92-87-5	Benzidine	2500		160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	2100		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.6	130	170	ug/Kg
218-01-9	Chrysene	1700		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1600		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	139.217		18-112		93	SPK: -150
13127-88-3	Phenol-d6	138.807		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	99.866		18-107		100	SPK: -100
321-60-8	2-Fluorobiphenyl	97.366		20-109		97	SPK: -100

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	PB163214BS	SDG No.:	BF090924
Lab Sample ID:	PB163214BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139282.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	157.163		10-116		105	SPK: -150
1718-51-0	Terphenyl-d14	105.977	*	10-105		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	121524	6.887				
1146-65-2	Naphthalene-d8	451152	8.175				
15067-26-2	Acenaphthene-d10	247423	9.928				
1517-22-2	Phenanthrene-d10	463457	11.416				
1719-03-5	Chrysene-d12	229103	14.057				
1520-96-3	Perylene-d12	221245	15.527				

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	VNJ-217	SDG No.:	BF090924
Lab Sample ID:	P3881-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139283.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	VNJ-217	SDG No.:	BF090924
Lab Sample ID:	P3881-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139283.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	VNJ-217	SDG No.:	BF090924
Lab Sample ID:	P3881-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139283.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	16.185	*	18-112		11	SPK: -150
13127-88-3	Phenol-d6	58.333		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	62.756		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	67.667		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	VNJ-217	SDG No.:	BF090924
Lab Sample ID:	P3881-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF139283.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	0.549	*	10-116		0	SPK: -150
1718-51-0	Terphenyl-d14	61.434		10-105		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	110453	6.887				
1146-65-2	Naphthalene-d8	401436	8.169				
15067-26-2	Acenaphthene-d10	203216	9.922				
1517-22-2	Phenanthrene-d10	310506	11.41				
1719-03-5	Chrysene-d12	180277	14.051				
1520-96-3	Perylene-d12	142532	15.527				

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02	SDG No.:	BF090924
Lab Sample ID:	P3888-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139284.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	99.6	U	99.6	310	380	ug/Kg
110-86-1	Pyridine	91.6	U	91.6	150	190	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	95.1	U	95.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96	U	96	150	190	ug/Kg
95-57-8	2-Chlorophenol	95.8	U	95.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	97	U	97	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	98.6	U	98.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	99.2	U	99.2	150	190	ug/Kg
100-51-6	Benzyl Alcohol	95.2	U	95.2	310	380	ug/Kg
95-48-7	2-Methylphenol	92.4	U	92.4	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	99.7	U	99.7	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	91.5	U	91.5	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.2	U	46.2	91.8	91.8	ug/Kg
67-72-1	Hexachloroethane	95.2	U	95.2	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	97	U	97	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.4	U	98.4	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86.6	U	86.6	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	98	U	98	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	380	ug/Kg
91-20-3	Naphthalene	94.7	U	94.7	150	190	ug/Kg
106-47-8	4-Chloroaniline	94.7	U	94.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.5	U	95.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02	SDG No.:	BF090924
Lab Sample ID:	P3888-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139284.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	99.6	U	99.6	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.9	U	88.9	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	94.6	U	94.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.9	U	81.9	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84.9	U	84.9	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.5	U	95.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	93.7	U	93.7	150	190	ug/Kg
208-96-8	Acenaphthylene	99.2	U	99.2	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.4	U	95.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	93	U	93	150	190	ug/Kg
Total PAH	Total PAH	1523.1	U	1523.1	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	96.8	U	96.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	194.3	U	194.3	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.9	U	98.9	150	190	ug/Kg
84-66-2	Diethylphthalate	91.9	U	91.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.2	U	98.2	150	190	ug/Kg
86-73-7	Fluorene	98.1	U	98.1	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.6	U	93.6	150	190	ug/Kg
103-33-3	Azobenzene	91.3	U	91.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.5	U	90.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	97.5	U	97.5	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:				Date Collected:	9/4/2024 12:00:00 AM		
Project:				Date Received:	9/4/2024 12:00:00 AM		
Client Sample ID:	DN-W-02			SDG No.:	BF090924		
Lab Sample ID:	P3888-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	12.9		
Sample Wt/Vol:	30.03	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
BF139284.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	88.7	U	88.7	310	380	ug/Kg
85-01-8	Phenanthrene	96.3	U	96.3	150	190	ug/Kg
120-12-7	Anthracene	96.8	U	96.8	150	190	ug/Kg
86-74-8	Carbazole	92.1	U	92.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	96.7	U	96.7	150	190	ug/Kg
206-44-0	Fluoranthene	93.7	U	93.7	150	190	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	95.2	U	95.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	92.6	U	92.6	150	190	ug/Kg
218-01-9	Chrysene	91.2	U	91.2	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	93	U	93	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	94.7	U	94.7	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.6	U	89.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.1	U	93.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	91.9	U	91.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.6	U	99.6	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.7	U	85.7	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	95.4	U	95.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.278		18-112		77	SPK: -150
13127-88-3	Phenol-d6	113.916		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	84.772		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	84.67		20-109		85	SPK: -100

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02	SDG No.:	BF090924
Lab Sample ID:	P3888-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139284.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	112.328		10-116		75	SPK: -150
1718-51-0	Terphenyl-d14	68.158		10-105		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112399	6.887				
1146-65-2	Naphthalene-d8	405555	8.169				
15067-26-2	Acenaphthene-d10	203871	9.922				
1517-22-2	Phenanthrene-d10	319431	11.41				
1719-03-5	Chrysene-d12	189843	14.045				
1520-96-3	Perylene-d12	155305	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3800	J			2.211	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A			5.116	
000119-61-9	Benzophenone	180	J			10.639	
000057-10-3	n-Hexadecanoic acid	200	J			11.933	
1000351-75-1	Tricosyl trifluoroacetate	200	J			13.904	

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MS	SDG No.:	BF090924
Lab Sample ID:	P3888-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04	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
BF139285.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		99.5	310	380	ug/Kg
110-86-1	Pyridine	1600		91.6	150	190	ug/Kg
100-52-7	Benzaldehyde	610		210	310	380	ug/Kg
62-53-3	Aniline	1800		110	150	190	ug/Kg
108-95-2	Phenol	1800		95.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		96	150	190	ug/Kg
95-57-8	2-Chlorophenol	1900		95.7	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		97	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		98.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		99.2	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1900		95.2	310	380	ug/Kg
95-48-7	2-Methylphenol	1900		92.4	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		100	150	190	ug/Kg
98-86-2	Acetophenone	1800		99.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1800		91.5	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		46.2	91.7	91.7	ug/Kg
67-72-1	Hexachloroethane	1800		95.2	150	190	ug/Kg
98-95-3	Nitrobenzene	1800		100	150	190	ug/Kg
78-59-1	Isophorone	1900		97	150	190	ug/Kg
88-75-5	2-Nitrophenol	2000		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		98.4	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		86.6	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		97.9	150	190	ug/Kg
65-85-0	Benzoic acid	1400		270	310	380	ug/Kg
91-20-3	Naphthalene	1800		94.7	150	190	ug/Kg
106-47-8	4-Chloroaniline	970		94.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		95.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MS	SDG No.:	BF090924
Lab Sample ID:	P3888-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04	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
BF139285.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1800		99.5	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		88.9	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1900		94.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6500	E	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		81.9	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		84.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1900		100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1800		95.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	2000		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	2000		93.7	150	190	ug/Kg
208-96-8	Acenaphthylene	2000		99.2	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		95.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	1400		100	150	190	ug/Kg
83-32-9	Acenaphthene	2100		93	150	190	ug/Kg
Total PAH	Total PAH	29700		1522.7	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	3200	E	130	310	380	ug/Kg
132-64-9	Dibenzofuran	1900		96.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3800		194.2	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		98.8	150	190	ug/Kg
84-66-2	Diethylphthalate	2100		91.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		98.1	150	190	ug/Kg
86-73-7	Fluorene	1900		98	150	190	ug/Kg
100-01-6	4-Nitroaniline	1700		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		130	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		93.6	150	190	ug/Kg
103-33-3	Azobenzene	2100		91.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		90.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1900		97.5	150	190	ug/Kg
1912-24-9	Atrazine	2800		100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MS	SDG No.:	BF090924
Lab Sample ID:	P3888-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04	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
BF139285.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3600	E	88.6	310	380	ug/Kg
85-01-8	Phenanthrene	1900		96.3	150	190	ug/Kg
120-12-7	Anthracene	2000		96.8	150	190	ug/Kg
86-74-8	Carbazole	1800		92.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	2400		96.7	150	190	ug/Kg
206-44-0	Fluoranthene	1700		93.7	150	190	ug/Kg
92-87-5	Benzidine	2400		190	310	380	ug/Kg
129-00-0	Pyrene	1600		95.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	2500		110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700		110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	2000		92.5	150	190	ug/Kg
218-01-9	Chrysene	1900		91.2	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2800		100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2400		130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		93	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	2300		94.7	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		89.5	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		93.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		91.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		99.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	1500		130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		85.6	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1800		95.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.558		18-112		71	SPK: -150
13127-88-3	Phenol-d6	107.788		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	77.528		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	76.365		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MS	SDG No.:	BF090924
Lab Sample ID:	P3888-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139285.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.145		10-116		76	SPK: -150
1718-51-0	Terphenyl-d14	64.688		10-105		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	117776	6.887				
1146-65-2	Naphthalene-d8	434549	8.175				
15067-26-2	Acenaphthene-d10	225077	9.928				
1517-22-2	Phenanthrene-d10	374417	11.416				
1719-03-5	Chrysene-d12	194850	14.051				
1520-96-3	Perylene-d12	183785	15.527				

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MSD	SDG No.:	BF090924
Lab Sample ID:	P3888-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139286.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		99.5	310	380	ug/Kg
110-86-1	Pyridine	1600		91.6	150	190	ug/Kg
100-52-7	Benzaldehyde	630		210	310	380	ug/Kg
62-53-3	Aniline	1800		110	150	190	ug/Kg
108-95-2	Phenol	1900		95	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		95.9	150	190	ug/Kg
95-57-8	2-Chlorophenol	1900		95.7	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		97	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		98.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		99.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1900		95.1	310	380	ug/Kg
95-48-7	2-Methylphenol	1900		92.4	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		100	150	190	ug/Kg
98-86-2	Acetophenone	1900		99.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1900		91.5	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		46.2	91.7	91.7	ug/Kg
67-72-1	Hexachloroethane	1800		95.1	150	190	ug/Kg
98-95-3	Nitrobenzene	1800		100	150	190	ug/Kg
78-59-1	Isophorone	2000		97	150	190	ug/Kg
88-75-5	2-Nitrophenol	2100		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		98.3	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		86.5	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		97.9	150	190	ug/Kg
65-85-0	Benzoic acid	1400		270	310	380	ug/Kg
91-20-3	Naphthalene	1900		94.7	150	190	ug/Kg
106-47-8	4-Chloroaniline	1000		94.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		95.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MSD	SDG No.:	BF090924
Lab Sample ID:	P3888-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139286.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1800		99.5	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		88.8	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1900		94.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		81.8	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		84.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1900		100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1900		95.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	2000		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	2000		93.6	150	190	ug/Kg
208-96-8	Acenaphthylene	2000		99.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		95.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	1400		100	150	190	ug/Kg
83-32-9	Acenaphthene	2100		93	150	190	ug/Kg
Total PAH	Total PAH	30200		1522.2	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	3200	E	130	310	380	ug/Kg
132-64-9	Dibenzofuran	1900		96.7	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		98.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3900		194.2	150	380	ug/Kg
84-66-2	Diethylphthalate	2100		91.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		98.1	150	190	ug/Kg
86-73-7	Fluorene	1900		98	150	190	ug/Kg
100-01-6	4-Nitroaniline	1700		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		130	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		93.5	150	190	ug/Kg
103-33-3	Azobenzene	2100		91.2	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		90.4	150	190	ug/Kg
118-74-1	Hexachlorobenzene	2000		97.4	150	190	ug/Kg
1912-24-9	Atrazine	2800		100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MSD	SDG No.:	BF090924
Lab Sample ID:	P3888-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139286.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3700	E	88.6	310	380	ug/Kg
85-01-8	Phenanthrene	2000		96.3	150	190	ug/Kg
120-12-7	Anthracene	2000		96.7	150	190	ug/Kg
86-74-8	Carbazole	1800		92	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	2400		96.6	150	190	ug/Kg
206-44-0	Fluoranthene	1800		93.6	150	190	ug/Kg
92-87-5	Benzidine	2600		190	310	380	ug/Kg
129-00-0	Pyrene	1600		95.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	2600		110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	2000		92.5	150	190	ug/Kg
218-01-9	Chrysene	2000		91.1	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2800		100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		93	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	2300		94.7	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	2200		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		89.5	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		93.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		91.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		99.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	1500		130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		85.6	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1800		95.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.097		18-112		72	SPK: -150
13127-88-3	Phenol-d6	109.641		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	79.65		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	76.579		20-109		77	SPK: -100

Report of Analysis

Client:		Date Collected:	9/4/2024 12:00:00 AM
Project:		Date Received:	9/4/2024 12:00:00 AM
Client Sample ID:	DN-W-02MSD	SDG No.:	BF090924
Lab Sample ID:	P3888-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.9
Sample Wt/Vol:	30.05 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
BF139286.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	112.908		10-116		75	SPK: -150
1718-51-0	Terphenyl-d14	64.764		10-105		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	115800	6.887				
1146-65-2	Naphthalene-d8	423123	8.169				
15067-26-2	Acenaphthene-d10	223279	9.928				
1517-22-2	Phenanthrene-d10	361322	11.416				
1719-03-5	Chrysene-d12	196353	14.057				
1520-96-3	Perylene-d12	182619	15.527				

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	ARS20-005	SDG No.:	BF090924
Lab Sample ID:	P3892-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BF139287.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	60.8	U	60.8	190	230	ug/Kg
110-86-1	Pyridine	55.9	U	55.9	91	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	67.8	U	67.8	91	120	ug/Kg
108-95-2	Phenol	58	U	58	91	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.6	U	58.6	91	120	ug/Kg
95-57-8	2-Chlorophenol	58.4	U	58.4	91	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.2	U	59.2	91	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.2	U	60.2	91	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60.5	U	60.5	91	120	ug/Kg
100-51-6	Benzyl Alcohol	58.1	U	58.1	190	230	ug/Kg
95-48-7	2-Methylphenol	56.4	U	56.4	91	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63.6	U	63.6	91	120	ug/Kg
98-86-2	Acetophenone	60.8	U	60.8	91	120	ug/Kg
65794-96-9	3+4-Methylphenols	55.9	U	55.9	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.2	U	28.2	56	56	ug/Kg
67-72-1	Hexachloroethane	58.1	U	58.1	91	120	ug/Kg
98-95-3	Nitrobenzene	63.6	U	63.6	91	120	ug/Kg
78-59-1	Isophorone	59.2	U	59.2	91	120	ug/Kg
88-75-5	2-Nitrophenol	66.1	U	66.1	91	120	ug/Kg
105-67-9	2,4-Dimethylphenol	65.2	U	65.2	91	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	60.1	U	60.1	91	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52.8	U	52.8	91	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.8	U	59.8	91	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	230	ug/Kg
91-20-3	Naphthalene	57.8	U	57.8	91	120	ug/Kg
106-47-8	4-Chloroaniline	57.8	U	57.8	91	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.3	U	58.3	91	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	ARS20-005	SDG No.:	BF090924
Lab Sample ID:	P3892-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BF139287.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	60.8	U	60.8	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.2	U	54.2	91	120	ug/Kg
91-57-6	2-Methylnaphthalene	57.7	U	57.7	91	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	91	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.8	U	51.8	91	120	ug/Kg
92-52-4	1,1-Biphenyl	61.2	U	61.2	91	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.3	U	58.3	91	120	ug/Kg
88-74-4	2-Nitroaniline	66.5	U	66.5	91	120	ug/Kg
131-11-3	Dimethylphthalate	57.2	U	57.2	91	120	ug/Kg
208-96-8	Acenaphthylene	60.5	U	60.5	91	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.2	U	58.2	91	120	ug/Kg
99-09-2	3-Nitroaniline	62.4	U	62.4	91	120	ug/Kg
83-32-9	Acenaphthene	56.8	U	56.8	91	120	ug/Kg
Total PAH	Total PAH	927.5	U	927.5	91	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	81.2	U	81.2	190	230	ug/Kg
132-64-9	Dibenzofuran	59.1	U	59.1	91	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.3	U	60.3	91	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	18.5	U	118.5	91	240	ug/Kg
84-66-2	Diethylphthalate	56.1	U	56.1	91	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.9	U	59.9	91	120	ug/Kg
86-73-7	Fluorene	59.8	U	59.8	91	120	ug/Kg
100-01-6	4-Nitroaniline	74.9	U	74.9	91	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81.9	U	81.9	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	57.1	U	57.1	91	120	ug/Kg
103-33-3	Azobenzene	55.7	U	55.7	91	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55.2	U	55.2	91	120	ug/Kg
118-74-1	Hexachlorobenzene	59.5	U	59.5	91	120	ug/Kg
1912-24-9	Atrazine	64	U	64	91	120	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	ARS20-005	SDG No.:	BF090924
Lab Sample ID:	P3892-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BF139287.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	54.1	U	54.1	190	230	ug/Kg
85-01-8	Phenanthrene	58.8	U	58.8	91	120	ug/Kg
120-12-7	Anthracene	59.1	U	59.1	91	120	ug/Kg
86-74-8	Carbazole	56.2	U	56.2	91	120	ug/Kg
84-74-2	Di-n-butylphthalate	59	U	59	91	120	ug/Kg
206-44-0	Fluoranthene	57.2	U	57.2	91	120	ug/Kg
92-87-5	Benzidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	58.1	U	58.1	91	120	ug/Kg
85-68-7	Butylbenzylphthalate	67.8	U	67.8	91	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69	U	69	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	56.5	U	56.5	91	120	ug/Kg
218-01-9	Chrysene	55.6	U	55.6	91	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.7	U	63.7	91	120	ug/Kg
117-84-0	Di-n-octyl phthalate	77	U	77	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.8	U	56.8	91	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.8	U	57.8	91	120	ug/Kg
50-32-8	Benzo(a)pyrene	65.1	U	65.1	91	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.7	U	54.7	91	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.8	U	56.8	91	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	56.1	U	56.1	91	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.8	U	60.8	91	120	ug/Kg
123-91-1	1,4-Dioxane	77	U	77	91	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.3	U	52.3	91	120	ug/Kg
90-12-0	1-Methylnaphthalene	58.2	U	58.2	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.636		18-112		61	SPK: -150
13127-88-3	Phenol-d6	90.592		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	71.836		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	81.663		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	ARS20-005	SDG No.:	BF090924
Lab Sample ID:	P3892-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BF139287.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	113.943		10-116		76	SPK: -150
1718-51-0	Terphenyl-d14	52.225		10-105		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100220	6.886				
1146-65-2	Naphthalene-d8	320092	8.169				
15067-26-2	Acenaphthene-d10	114872	9.939				
1517-22-2	Phenanthrene-d10	144141	11.474				
1719-03-5	Chrysene-d12	147274	14.121				
1520-96-3	Perylene-d12	109533	15.551				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J			2.134	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.092	
001618-22-0	Naphthalene, decahydro-2,6-dimethy	84	J			8.075	
	unknown8.228	88.7	J			8.228	
1000111-72-1	trans,trans-1,6-Dimethylspiro[4.5]	120	J			8.275	
	unknown8.345	110	J			8.345	
	unknown8.463	170	J			8.463	
	unknown8.557	110	J			8.557	
	unknown8.798	150	J			8.798	
031295-56-4	Dodecane, 2,6,11-trimethyl-	110	J			9.198	
000083-47-6	.gamma.-Sitosterol	170	J			17.633	
000638-96-0	.alpha.-Amyrone	280	J			18.215	
000545-47-1	Lupeol	400	J			18.456	

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	SHEEPSHEAD-SOIL-PILE	SDG No.:	BF090924
Lab Sample ID:	P3880-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139288.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95	U	95	300	360	ug/Kg
110-86-1	Pyridine	87.5	U	87.5	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	90.7	U	90.7	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.6	U	91.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	91.4	U	91.4	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.6	U	92.6	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.1	U	94.1	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.7	U	94.7	140	190	ug/Kg
100-51-6	Benzyl Alcohol	90.9	U	90.9	300	360	ug/Kg
95-48-7	2-Methylphenol	88.2	U	88.2	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.5	U	99.5	140	190	ug/Kg
98-86-2	Acetophenone	95.1	U	95.1	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.4	U	87.4	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.1	U	44.1	87.6	87.6	ug/Kg
67-72-1	Hexachloroethane	90.9	U	90.9	140	190	ug/Kg
98-95-3	Nitrobenzene	99.4	U	99.4	140	190	ug/Kg
78-59-1	Isophorone	92.6	U	92.6	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.9	U	93.9	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.6	U	82.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.5	U	93.5	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	90.4	U	90.4	140	190	ug/Kg
106-47-8	4-Chloroaniline	90.4	U	90.4	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.2	U	91.2	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	SHEEPSHEAD-SOIL-PILE	SDG No.:	BF090924
Lab Sample ID:	P3880-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139288.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95	U	95	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.8	U	84.8	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.3	U	90.3	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.2	U	78.2	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81	U	81	140	190	ug/Kg
92-52-4	1,1-Biphenyl	95.7	U	95.7	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.2	U	91.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	89.4	U	89.4	140	190	ug/Kg
208-96-8	Acenaphthylene	94.7	U	94.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.1	U	91.1	140	190	ug/Kg
99-09-2	3-Nitroaniline	97.6	U	97.6	140	190	ug/Kg
83-32-9	Acenaphthene	88.8	U	88.8	140	190	ug/Kg
Total PAH	Total PAH	1448.8	U	1448.8	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	92.4	U	92.4	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	85.5	U	185.5	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.4	U	94.4	140	190	ug/Kg
84-66-2	Diethylphthalate	87.7	U	87.7	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.7	U	93.7	140	190	ug/Kg
86-73-7	Fluorene	93.6	U	93.6	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.3	U	89.3	140	190	ug/Kg
103-33-3	Azobenzene	87.1	U	87.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.4	U	86.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93	U	93	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	SHEEPSHEAD-SOIL-PILE	SDG No.:	BF090924
Lab Sample ID:	P3880-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139288.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	84.6	U	84.6	300	360	ug/Kg
85-01-8	Phenanthrene	92	U	92	140	190	ug/Kg
120-12-7	Anthracene	92.4	U	92.4	140	190	ug/Kg
86-74-8	Carbazole	87.9	U	87.9	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.3	U	92.3	140	190	ug/Kg
206-44-0	Fluoranthene	170	J	89.4	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	120	J	90.9	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	88.3	140	190	ug/Kg
218-01-9	Chrysene	130	J	87	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.6	U	99.6	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	190		88.8	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	90.4	U	90.4	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.5	U	85.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.9	U	88.9	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.7	U	87.7	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95	U	95	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.8	U	81.8	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91.1	U	91.1	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.929		18-112		63	SPK: -150
13127-88-3	Phenol-d6	93.802		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	67.91		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	68.591		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	SHEEPSHEAD-SOIL-PILE	SDG No.:	BF090924
Lab Sample ID:	P3880-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	30.05 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
BF139288.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.67		10-116		54	SPK: -150
1718-51-0	Terphenyl-d14	56.372		10-105		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114056	6.887				
1146-65-2	Naphthalene-d8	422591	8.169				
15067-26-2	Acenaphthene-d10	214657	9.922				
1517-22-2	Phenanthrene-d10	324418	11.41				
1719-03-5	Chrysene-d12	188447	14.045				
1520-96-3	Perylene-d12	168675	15.521				

Report of Analysis

Client:		Date Collected:	9/5/2024 12:00:00 AM
Project:		Date Received:	9/5/2024 12:00:00 AM
Client Sample ID:	VNJ223	SDG No.:	BF090924
Lab Sample ID:	P3852-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139289.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.2	U	55.2	170	210	ug/Kg
110-86-1	Pyridine	50.8	U	50.8	82.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.6	U	61.6	82.7	110	ug/Kg
108-95-2	Phenol	52.7	U	52.7	82.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.2	U	53.2	82.7	110	ug/Kg
95-57-8	2-Chlorophenol	53.1	U	53.1	82.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.8	U	53.8	82.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.7	U	54.7	82.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55	U	55	82.7	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	82.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.8	U	57.8	82.7	110	ug/Kg
98-86-2	Acetophenone	55.3	U	55.3	82.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.7	U	50.7	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.6	U	25.6	50.9	50.9	ug/Kg
67-72-1	Hexachloroethane	52.8	U	52.8	82.7	110	ug/Kg
98-95-3	Nitrobenzene	57.7	U	57.7	82.7	110	ug/Kg
78-59-1	Isophorone	53.8	U	53.8	82.7	110	ug/Kg
88-75-5	2-Nitrophenol	60.1	U	60.1	82.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.3	U	59.3	82.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.6	U	54.6	82.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48	U	48	82.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.3	U	54.3	82.7	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.5	U	52.5	82.7	110	ug/Kg
106-47-8	4-Chloroaniline	52.5	U	52.5	82.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	53	U	53	82.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/5/2024 12:00:00 AM
Project:		Date Received:	9/5/2024 12:00:00 AM
Client Sample ID:	VNJ223	SDG No.:	BF090924
Lab Sample ID:	P3852-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139289.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.2	U	55.2	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.3	U	49.3	82.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.5	U	52.5	82.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99.2	U	99.2	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.4	U	45.4	82.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.1	U	47.1	82.7	110	ug/Kg
92-52-4	1,1-Biphenyl	55.6	U	55.6	82.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	82.7	110	ug/Kg
88-74-4	2-Nitroaniline	60.4	U	60.4	82.7	110	ug/Kg
131-11-3	Dimethylphthalate	52	U	52	82.7	110	ug/Kg
208-96-8	Acenaphthylene	78.5	J	55	82.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.9	U	52.9	82.7	110	ug/Kg
99-09-2	3-Nitroaniline	56.7	U	56.7	82.7	110	ug/Kg
83-32-9	Acenaphthene	51.6	U	51.6	82.7	110	ug/Kg
Total PAH	Total PAH	6816.5	U	842.7	82.7	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	82.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	107.7	U	107.7	82.7	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.8	U	54.8	82.7	110	ug/Kg
84-66-2	Diethylphthalate	50.9	U	50.9	82.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.4	U	54.4	82.7	110	ug/Kg
86-73-7	Fluorene	58.7	J	54.4	82.7	110	ug/Kg
100-01-6	4-Nitroaniline	68	U	68	82.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.4	U	74.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.9	U	51.9	82.7	110	ug/Kg
103-33-3	Azobenzene	50.6	U	50.6	82.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.2	U	50.2	82.7	110	ug/Kg
118-74-1	Hexachlorobenzene	54.1	U	54.1	82.7	110	ug/Kg
1912-24-9	Atrazine	58.1	U	58.1	82.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	9/5/2024 12:00:00 AM
Project:		Date Received:	9/5/2024 12:00:00 AM
Client Sample ID:	VNJ223	SDG No.:	BF090924
Lab Sample ID:	P3852-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139289.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

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	630		53.4	82.7	110	ug/Kg
120-12-7	Anthracene	110		53.7	82.7	110	ug/Kg
86-74-8	Carbazole	51.1	U	51.1	82.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.6	U	53.6	82.7	110	ug/Kg
206-44-0	Fluoranthene	1100		52	82.7	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	800		52.8	82.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.6	U	61.6	82.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.7	U	62.7	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	650		51.3	82.7	110	ug/Kg
218-01-9	Chrysene	690		50.6	82.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.3	J	57.9	82.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70	U	70	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	970		51.6	82.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	390		52.5	82.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	710		59.1	82.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260		49.7	82.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	79.3	J	51.6	82.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290		50.9	82.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.2	U	55.2	82.7	110	ug/Kg
123-91-1	1,4-Dioxane	70	U	70	82.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.5	U	47.5	82.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.9	U	52.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.517		18-112		58	SPK: -150
13127-88-3	Phenol-d6	85.647		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	62.546		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	66.554		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	9/5/2024 12:00:00 AM
Project:		Date Received:	9/5/2024 12:00:00 AM
Client Sample ID:	VNJ223	SDG No.:	BF090924
Lab Sample ID:	P3852-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.8
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139289.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75.436		10-116		50	SPK: -150
1718-51-0	Terphenyl-d14	51.336		10-105		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123090	6.886				
1146-65-2	Naphthalene-d8	449063	8.169				
15067-26-2	Acenaphthene-d10	229052	9.922				
1517-22-2	Phenanthrene-d10	313149	11.41				
1719-03-5	Chrysene-d12	203513	14.051				
1520-96-3	Perylene-d12	172232	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J			2.199	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.11	
000119-61-9	Benzophenone	95.4	J			10.633	
099379-80-3	Azacyclodecan-2,7-dione	53.6	J			10.833	
	unknown11.269	47.3	J			11.269	
000132-65-0	Dibenzothiophene	48.5	J			11.304	
000613-12-7	Anthracene, 2-methyl-	130	J			11.91	
002531-84-2	Phenanthrene, 2-methyl-	270	J			11.939	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	280	J			12.022	
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J			12.463	
	unknown12.498	72.7	J			12.498	
005737-13-3	Cyclopenta(def)phenanthrenone	80.1	J			12.545	
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	55.3	J			12.716	
002381-21-7	Pyrene, 1-methyl-	60	J			13.068	
000243-17-4	11H-Benzo[b]fluorene	110	J			13.174	
003353-12-6	Pyrene, 4-methyl-	67.2	J			13.28	
000082-05-3	7H-Benz[de]anthracen-7-one	54.1	J			13.686	
	unknown13.898	110	J			13.898	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	92	J			14.686	

Report of Analysis

Client:		Date Collected:	9/5/2024 12:00:00 AM
Project:		Date Received:	9/5/2024 12:00:00 AM
Client Sample ID:	VNJ223	SDG No.:	BF090924
Lab Sample ID:	P3852-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.8
Sample Wt/Vol:	50.08	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
BF139289.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	490	J			15.404	

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	B1(0-6)	SDG No.:	BF090924
Lab Sample ID:	P3871-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.02	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
BF139290.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	93.5	U	93.5	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	320	390	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	97	U	97	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.9	U	97.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	97.7	U	97.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	99	U	99	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	97.1	U	97.1	320	390	ug/Kg
95-48-7	2-Methylphenol	94.3	U	94.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	93.4	U	93.4	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.2	U	47.2	93.6	93.6	ug/Kg
67-72-1	Hexachloroethane	97.1	U	97.1	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	99	U	99	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	88.3	U	88.3	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99.9	U	99.9	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	96.7	U	96.7	150	200	ug/Kg
106-47-8	4-Chloroaniline	96.7	U	96.7	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.5	U	97.5	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	B1(0-6)	SDG No.:	BF090924
Lab Sample ID:	P3871-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.02	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
BF139290.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.7	U	90.7	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.5	U	96.5	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.6	U	83.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.6	U	86.6	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.5	U	97.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	95.6	U	95.6	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.4	U	97.4	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	94.9	U	94.9	150	200	ug/Kg
Total PAH	Total PAH	1550.5	U	1550.5	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	98.8	U	98.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	97.4	U	197.4	150	400	ug/Kg
84-66-2	Diethylphthalate	93.7	U	93.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.5	U	95.5	150	200	ug/Kg
103-33-3	Azobenzene	93.1	U	93.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	92.3	U	92.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	99.5	U	99.5	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	B1(0-6)	SDG No.:	BF090924
Lab Sample ID:	P3871-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.02	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
BF139290.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	90.5	U	90.5	320	390	ug/Kg
85-01-8	Phenanthrene	98.3	U	98.3	150	200	ug/Kg
120-12-7	Anthracene	98.8	U	98.8	150	200	ug/Kg
86-74-8	Carbazole	94	U	94	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.6	U	98.6	150	200	ug/Kg
206-44-0	Fluoranthene	95.6	U	95.6	150	200	ug/Kg
92-87-5	Benzidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	97.1	U	97.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	94.4	U	94.4	150	200	ug/Kg
218-01-9	Chrysene	93	U	93	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.9	U	94.9	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	96.7	U	96.7	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.4	U	91.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	95	U	95	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.7	U	93.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87.4	U	87.4	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	97.4	U	97.4	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	50.678		18-112		34	SPK: -150
13127-88-3	Phenol-d6	85.031		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	64.507		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	65.093		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	B1(0-6)	SDG No.:	BF090924
Lab Sample ID:	P3871-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	30.02	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
BF139290.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	28.718		10-116		19	SPK: -150
1718-51-0	Terphenyl-d14	48.161		10-105		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	110506	6.886				
1146-65-2	Naphthalene-d8	399102	8.169				
15067-26-2	Acenaphthene-d10	197814	9.922				
1517-22-2	Phenanthrene-d10	275342	11.41				
1719-03-5	Chrysene-d12	194784	14.045				
1520-96-3	Perylene-d12	146347	15.521				

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	DN-B-36	SDG No.:	BF090924
Lab Sample ID:	P3888-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	30.06	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
BF139291.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	94.2	U	94.2	290	360	ug/Kg
110-86-1	Pyridine	86.7	U	86.7	140	180	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	360	ug/Kg
62-53-3	Aniline	110	U	110	140	180	ug/Kg
108-95-2	Phenol	89.9	U	89.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.8	U	90.8	140	180	ug/Kg
95-57-8	2-Chlorophenol	90.6	U	90.6	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	91.8	U	91.8	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	93.3	U	93.3	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.8	U	93.8	140	180	ug/Kg
100-51-6	Benzyl Alcohol	90	U	90	290	360	ug/Kg
95-48-7	2-Methylphenol	87.4	U	87.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.6	U	98.6	140	180	ug/Kg
98-86-2	Acetophenone	94.3	U	94.3	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	86.6	U	86.6	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.7	U	43.7	86.8	86.8	ug/Kg
67-72-1	Hexachloroethane	90	U	90	140	180	ug/Kg
98-95-3	Nitrobenzene	98.5	U	98.5	140	180	ug/Kg
78-59-1	Isophorone	91.8	U	91.8	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.1	U	93.1	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.9	U	81.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.6	U	92.6	140	180	ug/Kg
65-85-0	Benzoic acid	260	U	260	290	360	ug/Kg
91-20-3	Naphthalene	89.6	U	89.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	89.6	U	89.6	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	90.4	U	90.4	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	DN-B-36	SDG No.:	BF090924
Lab Sample ID:	P3888-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	30.06	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
BF139291.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	94.2	U	94.2	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.1	U	84.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	89.5	U	89.5	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.5	U	77.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.3	U	80.3	140	180	ug/Kg
92-52-4	1,1-Biphenyl	94.8	U	94.8	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.4	U	90.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	88.6	U	88.6	140	180	ug/Kg
208-96-8	Acenaphthylene	93.8	U	93.8	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.3	U	90.3	140	180	ug/Kg
99-09-2	3-Nitroaniline	96.8	U	96.8	140	180	ug/Kg
83-32-9	Acenaphthene	88	U	88	140	180	ug/Kg
Total PAH	Total PAH	6528.9	U	1436.4	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	290	360	ug/Kg
132-64-9	Dibenzofuran	91.6	U	91.6	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	183.8	U	183.8	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.5	U	93.5	140	180	ug/Kg
84-66-2	Diethylphthalate	86.9	U	86.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.9	U	92.9	140	180	ug/Kg
86-73-7	Fluorene	92.7	U	92.7	140	180	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.5	U	88.5	140	180	ug/Kg
103-33-3	Azobenzene	86.3	U	86.3	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.6	U	85.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	92.2	U	92.2	140	180	ug/Kg
1912-24-9	Atrazine	99.1	U	99.1	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	DN-B-36	SDG No.:	BF090924
Lab Sample ID:	P3888-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	30.06	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
BF139291.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	83.9	U	83.9	290	360	ug/Kg
85-01-8	Phenanthrene	630		91.1	140	180	ug/Kg
120-12-7	Anthracene	180		91.6	140	180	ug/Kg
86-74-8	Carbazole	87.1	U	87.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	91.4	U	91.4	140	180	ug/Kg
206-44-0	Fluoranthene	1300		88.6	140	180	ug/Kg
92-87-5	Benzidine	180	U	180	290	360	ug/Kg
129-00-0	Pyrene	710		90	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	640		87.5	140	180	ug/Kg
218-01-9	Chrysene	580		86.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	470		98.7	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	920		88	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	290		89.6	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	610		100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270		84.7	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.9	J	88.1	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310		86.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.2	U	94.2	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81	U	81	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	90.3	U	90.3	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.732		18-112		58	SPK: -150
13127-88-3	Phenol-d6	85.234		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	66.197		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	74.244		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	DN-B-36	SDG No.:	BF090924
Lab Sample ID:	P3888-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	30.06	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
BF139291.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	80.953		10-116		54	SPK: -150
1718-51-0	Terphenyl-d14	55.209		10-105		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	117227	6.887				
1146-65-2	Naphthalene-d8	407198	8.169				
15067-26-2	Acenaphthene-d10	189032	9.922				
1517-22-2	Phenanthrene-d10	261832	11.41				
1719-03-5	Chrysene-d12	199808	14.051				
1520-96-3	Perylene-d12	140960	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2600	J			2.193	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A			5.104	
000119-61-9	Benzophenone	160	J			10.633	
000629-50-5	Tridecane	140	J			10.833	
055045-08-4	Dodecane, 2-methyl-6-propyl-	110	J			11.275	
000244-99-5	5H-Indeno[1,2-b]pyridine	86.4	J			11.639	
000613-12-7	Anthracene, 2-methyl-	230	J			11.904	
000057-10-3	n-Hexadecanoic acid	780	J			11.939	
000203-64-5	4H-Cyclopenta[def]phenanthrene	240	J			12.022	
000629-62-9	Pentadecane	130	J			12.11	
000781-43-1	9,10-Dimethylanthracene	84.6	J			12.463	
	unknown12.498	80.6	J			12.498	
000057-11-4	Octadecanoic acid	230	J			12.722	
074685-30-6	5-Eicosene, (E)-	200	J			13.898	
959085-66-6	Heptadecyl heptafluorobutyrate	360	J			14.533	
000629-92-5	Nonadecane	1200	J			15.18	
077899-10-6	(Z)-14-Tricosenyl formate	1000	J			15.774	
007098-22-8	Tetratetracontane	1800	J			16.015	
018835-33-1	1-Hexacosene	790	J			16.068	

Report of Analysis

Client:		Date Collected:	9/6/2024 12:00:00 AM
Project:		Date Received:	9/6/2024 12:00:00 AM
Client Sample ID:	DN-B-36	SDG No.:	BF090924
Lab Sample ID:	P3888-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	30.06	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
BF139291.D	1	9/9/2024 12:00:00 AM	9/9/2024 12:00:00 AM	PB163214

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000638-66-4	Octadecanal	1400	J			16.833	

Hit Summary Sheet SW-846

SDG No.: BF090924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : VNJ223								
P3852-02	VNJ223	Solid	1,4-Benzenedicarboxylic acid, bis *	92.000	J			
P3852-02	VNJ223	Solid	11H-Benzo[b]fluorene *	110.000	J			
P3852-02	VNJ223	Solid	2-Pentanone, 4-hydroxy-4-methyl *	110.000	A			
P3852-02	VNJ223	Solid	7H-Benz[de]anthracen-7-one *	54.100	J			
P3852-02	VNJ223	Solid	Anthracene, 2-methyl- *	130.000	J			
P3852-02	VNJ223	Solid	Azacyclodecan-2,7-dione *	53.600	J			
P3852-02	VNJ223	Solid	Benzaldehyde, 3,5-dichloro-2-hyd *	280.000	J			
P3852-02	VNJ223	Solid	Benzene, 1,1-(1,3-butadiyne-1,4-d *	55.300	J			
P3852-02	VNJ223	Solid	Benzo[e]pyrene *	490.000	J			
P3852-02	VNJ223	Solid	Benzophenone *	95.400	J			
P3852-02	VNJ223	Solid	Butane, 2-methoxy-2-methyl- *	1,800.000	J			
P3852-02	VNJ223	Solid	Cyclopenta(def)phenanthrenone *	80.100	J			
P3852-02	VNJ223	Solid	Dibenzothiophene *	48.500	J			
P3852-02	VNJ223	Solid	Phenanthrene, 2,5-dimethyl- *	110.000	J			
P3852-02	VNJ223	Solid	Phenanthrene, 2-methyl- *	270.000	J			
P3852-02	VNJ223	Solid	Pyrene, 1-methyl- *	60.000	J			
P3852-02	VNJ223	Solid	Pyrene, 4-methyl- *	67.200	J			
P3852-02	VNJ223	Solid	unknown11.269 *	47.300	J			
P3852-02	VNJ223	Solid	unknown12.498 *	72.700	J			
P3852-02	VNJ223	Solid	unknown13.898 *	110.000	J			
Total Tics :				4,136.20				
P3852-02	VNJ223	Solid	Acenaphthylene	78.500	J	55	110	ug/Kg
P3852-02	VNJ223	Solid	Anthracene	110.000		53.7	110	ug/Kg
P3852-02	VNJ223	Solid	Benzo(a)anthracene	650.000		51.3	110	ug/Kg
P3852-02	VNJ223	Solid	Benzo(a)pyrene	710.000		59.1	110	ug/Kg
P3852-02	VNJ223	Solid	Benzo(b)fluoranthene	970.000		51.6	110	ug/Kg
P3852-02	VNJ223	Solid	Benzo(g,h,i)perylene	290.000		50.9	110	ug/Kg
P3852-02	VNJ223	Solid	Benzo(k)fluoranthene	390.000		52.5	110	ug/Kg
P3852-02	VNJ223	Solid	Bis(2-ethylhexyl)phthalate	90.300	J	57.9	110	ug/Kg
P3852-02	VNJ223	Solid	Chrysene	690.000		50.6	110	ug/Kg
P3852-02	VNJ223	Solid	Dibenzo(a,h)anthracene	79.300	J	51.6	110	ug/Kg
P3852-02	VNJ223	Solid	Fluoranthene	1,100.000		52	110	ug/Kg
P3852-02	VNJ223	Solid	Fluorene	58.700	J	54.4	110	ug/Kg
P3852-02	VNJ223	Solid	Indeno(1,2,3-cd)pyrene	260.000		49.7	110	ug/Kg
P3852-02	VNJ223	Solid	Phenanthrene	630.000		53.4	110	ug/Kg
P3852-02	VNJ223	Solid	Pyrene	800.000		52.8	110	ug/Kg
Total Svoc :				6,906.80				

Hit Summary Sheet SW-846

SDG No.: BF090924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				11,043.00				
Client ID : SHEEPSHEAD-SOIL-PILE								
P3880-01	SHEEPSHEAD-SOIL-PILE	Solid	Benzo(a)anthracene	130.000	J	88.3	190	ug/Kg
P3880-01	SHEEPSHEAD-SOIL-PILE	Solid	Benzo(a)pyrene	140.000	J	100	190	ug/Kg
P3880-01	SHEEPSHEAD-SOIL-PILE	Solid	Benzo(b)fluoranthene	190.000		88.8	190	ug/Kg
P3880-01	SHEEPSHEAD-SOIL-PILE	Solid	Chrysene	130.000	J	87	190	ug/Kg
P3880-01	SHEEPSHEAD-SOIL-PILE	Solid	Fluoranthene	170.000	J	89.4	190	ug/Kg
P3880-01	SHEEPSHEAD-SOIL-PILE	Solid	Pyrene	120.000	J	90.9	190	ug/Kg
Total Svoc :				880.00				
Total Concentration:				880.00				
Client ID : DN-B-36								
P3888-01	DN-B-36	Solid	(Z)-14-Tricosenyl formate	*	1,000.000	J		
P3888-01	DN-B-36	Solid	1-Hexacosene	*	790.000	J		
P3888-01	DN-B-36	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	A		
P3888-01	DN-B-36	Solid	4H-Cyclopenta[def]phenanthrene	*	240.000	J		
P3888-01	DN-B-36	Solid	5-Eicosene, (E)-	*	200.000	J		
P3888-01	DN-B-36	Solid	5H-Indeno[1,2-b]pyridine	*	86.400	J		
P3888-01	DN-B-36	Solid	9,10-Dimethylanthracene	*	84.600	J		
P3888-01	DN-B-36	Solid	Anthracene, 2-methyl-	*	230.000	J		
P3888-01	DN-B-36	Solid	Benzophenone	*	160.000	J		
P3888-01	DN-B-36	Solid	Butane, 2-methoxy-2-methyl-	*	2,600.000	J		
P3888-01	DN-B-36	Solid	Dodecane, 2-methyl-6-propyl-	*	110.000	J		
P3888-01	DN-B-36	Solid	Heptadecyl heptafluorobutyrate	*	360.000	J		
P3888-01	DN-B-36	Solid	n-Hexadecanoic acid	*	780.000	J		
P3888-01	DN-B-36	Solid	Nonadecane	*	1,200.000	J		
P3888-01	DN-B-36	Solid	Octadecanal	*	1,400.000	J		
P3888-01	DN-B-36	Solid	Octadecanoic acid	*	230.000	J		
P3888-01	DN-B-36	Solid	Pentadecane	*	130.000	J		
P3888-01	DN-B-36	Solid	Tetratetracontane	*	1,800.000	J		
P3888-01	DN-B-36	Solid	Tridecane	*	140.000	J		
P3888-01	DN-B-36	Solid	unknown12.498	*	80.600	J		
Total Tics :				11,871.60				
P3888-01	DN-B-36	Solid	Anthracene		180.000	91.6	180	ug/Kg
P3888-01	DN-B-36	Solid	Benzo(a)anthracene		640.000	87.5	180	ug/Kg
P3888-01	DN-B-36	Solid	Benzo(a)pyrene		610.000	100	180	ug/Kg
P3888-01	DN-B-36	Solid	Benzo(b)fluoranthene		920.000	88	180	ug/Kg
P3888-01	DN-B-36	Solid	Benzo(g,h,i)perylene		310.000	86.9	180	ug/Kg
P3888-01	DN-B-36	Solid	Benzo(k)fluoranthene		290.000	89.6	180	ug/Kg
P3888-01	DN-B-36	Solid	Bis(2-ethylhexyl)phthalate		470.000	98.7	180	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF090924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3888-01	DN-B-36	Solid	Chrysene	580.000		86.2	180	ug/Kg
P3888-01	DN-B-36	Solid	Dibenzo(a,h)anthracene	88.900	J	88.1	180	ug/Kg
P3888-01	DN-B-36	Solid	Fluoranthene	1,300.000		88.6	180	ug/Kg
P3888-01	DN-B-36	Solid	Indeno(1,2,3-cd)pyrene	270.000		84.7	180	ug/Kg
P3888-01	DN-B-36	Solid	Phenanthrene	630.000		91.1	180	ug/Kg
P3888-01	DN-B-36	Solid	Pyrene	710.000		90	180	ug/Kg

Total Svoc : 6,998.90

Total Concentration: 18,870.50

Client ID : DN-W-02

P3888-02	DN-W-02	Solid	2-Pentanone, 4-hydroxy-4-methyl *	270.000	A			
P3888-02	DN-W-02	Solid	Benzophenone *	180.000	J			
P3888-02	DN-W-02	Solid	Butane, 2-methoxy-2-methyl- *	3,800.000	J			
P3888-02	DN-W-02	Solid	n-Hexadecanoic acid *	200.000	J			
P3888-02	DN-W-02	Solid	Tricosyl trifluoroacetate *	200.000	J			

Total Tics : 4,650.00

Total Concentration: 4,650.00

Client ID : ARS20-005

P3892-01	ARS20-005	Solid	.alpha.-Amyrone *	280.000	J			
P3892-01	ARS20-005	Solid	.gamma.-Sitosterol *	170.000	J			
P3892-01	ARS20-005	Solid	2-Pentanone, 4-hydroxy-4-methyl *	160.000	A			
P3892-01	ARS20-005	Solid	Butane, 2-methoxy-2-methyl- *	2,000.000	J			
P3892-01	ARS20-005	Solid	Dodecane, 2,6,11-trimethyl- *	110.000	J			
P3892-01	ARS20-005	Solid	Lupeol *	400.000	J			
P3892-01	ARS20-005	Solid	Naphthalene, decahydro-2,6-dime *	84.000	J			
P3892-01	ARS20-005	Solid	trans,trans-1,6-Dimethylspiro[4.5] *	120.000	J			
P3892-01	ARS20-005	Solid	unknown8.228 *	88.700	J			
P3892-01	ARS20-005	Solid	unknown8.345 *	110.000	J			
P3892-01	ARS20-005	Solid	unknown8.463 *	170.000	J			
P3892-01	ARS20-005	Solid	unknown8.557 *	110.000	J			
P3892-01	ARS20-005	Solid	unknown8.798 *	150.000	J			

Total Tics : 3,952.70

Total Concentration: 3,952.70



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF090424 SAS No.: BF090424 SDG No.: BF090424
Instrument ID: _____ Calibration Date(s): 9/4/2024 1: _____
Calibration Time(s): 11:39 _____

LAB FILE ID:		RRF2.5 = BF139234.D			RRF005 = BF139235.D		RRF010 = BF139236.D	
		RRF020 = BF139237.D			RRF040 = BF139238.D		RRF050 = BF139239.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.883	0.876	0.895	0.858	0.848	0.873	1.9
Pyridine		1.421	1.402	1.399	1.301	1.300	1.344	4.5
2-Fluorophenol		1.281	1.246	1.262	1.144	1.146	1.196	5.5
Benzaldehyde		1.131	1.111	1.049	0.857	0.836	0.966	15.2
Aniline		1.597	1.558	1.537	1.420	1.402	1.468	6.4
Phenol-d6		1.758	1.682	1.667	1.543	1.508	1.596	6.6
Phenol		1.847	1.799	1.773	1.629	1.606	1.683	7.3
bis(2-Chloroethyl)ether		1.312	1.285	1.259	1.154	1.169	1.206	6.7
2-Chlorophenol		1.365	1.322	1.301	1.180	1.170	1.239	7.1
1,2-Dichlorobenzene		1.467	1.422	1.391	1.265	1.216	1.309	8.8
1,3-Dichlorobenzene		1.551	1.499	1.465	1.344	1.324	1.402	7.2
1,4-Dichlorobenzene		1.537	1.496	1.490	1.352	1.326	1.404	7.1
Benzyl Alcohol		1.229	1.189	1.223	1.140	1.120	1.164	4.3
2-Methylphenol		1.082	1.064	1.050	0.975	0.964	1.012	5.0
2,2-oxybis(1-Chloropropane)		2.481	2.420	2.398	2.238	2.182	2.296	5.9
Acetophenone		0.531	0.503	0.504	0.459	0.447	0.476	7.5
3+4-Methylphenols		1.401	1.370	1.352	1.239	1.195	1.276	7.6
n-Nitroso-di-n-propylamine		0.998	0.987	0.952	0.880	0.863	0.919	6.3
Nitrobenzene-d5	0.371	0.401	0.387	0.403	0.377	0.374	0.384	3.2
Hexachloroethane		0.543	0.522	0.519	0.482	0.480	0.501	5.3
Nitrobenzene		0.416	0.425	0.425	0.397	0.393	0.408	3.4
Isophorone		0.680	0.670	0.684	0.641	0.630	0.657	3.2
2-Nitrophenol		0.137	0.148	0.166	0.164	0.165	0.160	7.8
2,4-Dimethylphenol		0.235	0.232	0.237	0.226	0.222	0.229	2.8
bis(2-Chloroethoxy)methane		0.410	0.410	0.411	0.378	0.373	0.392	4.6
2,4-Dichlorophenol		0.279	0.276	0.290	0.270	0.266	0.274	3.3
1,2,4-Trichlorobenzene		0.334	0.325	0.324	0.304	0.299	0.313	5.1
Benzoic acid			0.161	0.198	0.204	0.218	0.208	13.4
Naphthalene		1.117	1.065	1.068	0.982	0.954	1.013	6.9
4-Chloroaniline		0.380	0.364	0.364	0.335	0.332	0.351	5.4
Hexachlorobutadiene		0.214	0.205	0.208	0.190	0.189	0.198	5.7
Caprolactam		0.081	0.085	0.088	0.085	0.083	0.085	3.0
4-Chloro-3-methylphenol		0.309	0.299	0.313	0.295	0.284	0.298	3.5
2-Methylnaphthalene		0.708	0.665	0.670	0.609	0.592	0.634	7.5
Hexachlorocyclopentadiene		0.153	0.174	0.190	0.192	0.186	0.182	7.7
2,4,6-Trichlorophenol		0.381	0.362	0.380	0.374	0.356	0.370	2.5

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.: BF090424 SAS No.: BF090424 SDG No.: BF090424
Instrument ID: _____ Calibration Date(s): 9/4/2024 1: _____
Calibration Time(s): 11:39 _____

LAB FILE ID:		RRF2.5 = BF139234.D		RRF005 = BF139235.D		RRF010 = BF139236.D		
		RRF020 = BF139237.D		RRF040 = BF139238.D		RRF050 = BF139239.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.509	1.434	1.406	1.214	1.183	1.296	11.6
2,4,5-Trichlorophenol		0.389	0.398	0.417	0.379	0.377	0.388	4.4
1,1-Biphenyl		1.645	1.577	1.576	1.423	1.393	1.482	7.8
2-Chloronaphthalene		1.236	1.171	1.194	1.068	1.053	1.119	7.2
2-Nitroaniline		0.351	0.374	0.400	0.386	0.387	0.385	4.7
Dimethylphthalate		1.311	1.264	1.282	1.163	1.142	1.212	5.9
Acenaphthylene		1.851	1.774	1.797	1.623	1.585	1.685	7.1
2,6-Dinitrotoluene		0.268	0.271	0.289	0.277	0.269	0.275	2.7
3-Nitroaniline		0.290	0.291	0.310	0.292	0.287	0.293	2.8
Acenaphthene		1.184	1.153	1.177	1.087	1.074	1.118	4.7
2,4-Dinitrophenol			0.070	0.099	0.121	0.128	0.118	24.4
4-Nitrophenol		0.187	0.204	0.231	0.225	0.219	0.216	7.4
Dibenzofuran		1.779	1.687	1.719	1.537	1.508	1.603	7.8
2,4-Dinitrotoluene		0.308	0.344	0.371	0.360	0.353	0.350	5.9
Diethylphthalate		1.270	1.222	1.262	1.163	1.137	1.193	4.9
4-Chlorophenyl-phenylether		0.669	0.643	0.645	0.580	0.556	0.599	8.8
Fluorene		1.419	1.336	1.317	1.192	1.148	1.242	9.2
4-Nitroaniline		0.261	0.282	0.300	0.283	0.277	0.279	4.7
4,6-Dinitro-2-methylphenol			0.065	0.087	0.096	0.097	0.092	16.4
n-Nitrosodiphenylamine		0.621	0.605	0.612	0.557	0.550	0.582	5.1
Azobenzene		1.378	1.290	1.332	1.213	1.181	1.257	6.3
2,4,6-Tribromophenol		0.176	0.176	0.184	0.169	0.167	0.173	4.1
4-Bromophenyl-phenylether		0.201	0.201	0.202	0.189	0.182	0.194	4.2
Hexachlorobenzene		0.240	0.230	0.232	0.213	0.210	0.222	5.3
Atrazine		0.158	0.154	0.142	0.125	0.093	0.134	19.8
Pentachlorophenol		0.102	0.118	0.136	0.136	0.133	0.128	10.5
Phenanthrene		1.042	0.991	0.996	0.889	0.871	0.934	7.9
Anthracene		0.991	0.972	0.972	0.887	0.853	0.913	7.0
Carbazole		0.932	0.912	0.937	0.826	0.796	0.853	8.6
Di-n-butylphthalate		0.877	0.904	0.947	0.883	0.841	0.873	5.1
Fluoranthene		1.054	1.046	1.049	0.901	0.851	0.937	11.8
Benzidine		0.389	0.420	0.405	0.435	0.383	0.403	4.6
Pyrene		2.084	2.067	2.172	1.941	1.825	1.932	9.9
Terphenyl-d14		1.403	1.388	1.398	1.227	1.138	1.239	13.0
Butylbenzylphthalate		0.347	0.421	0.473	0.486	0.471	0.455	11.7
3,3-Dichlorobenzidine		0.282	0.300	0.340	0.347	0.351	0.339	10.7

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.: BF090424 SAS No.: BF090424 SDG No.: BF090424
Instrument ID: _____ Calibration Date(s): 9/4/2024 1: _____
Calibration Time(s): 11:39 _____

LAB FILE ID:		RRF2.5 = BF139234.D			RRF005 = BF139235.D		RRF010 = BF139236.D	
		RRF020 = BF139237.D			RRF040 = BF139238.D		RRF050 = BF139239.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.351	1.321	1.324	1.220	1.238	1.277	4.5
Chrysene		1.246	1.228	1.252	1.194	1.100	1.192	4.6
Bis(2-ethylhexyl)phthalate		0.392	0.442	0.512	0.578	0.565	0.534	16.8
Di-n-octyl phthalate			0.709	0.891	1.071	1.087	1.022	18.4
Benzo(b)fluoranthene		1.153	1.118	1.274	1.145	1.073	1.152	5.9
Benzo(k)fluoranthene		1.085	1.102	1.010	1.021	1.043	1.033	4.5
Benzo(a)pyrene		0.954	0.944	1.020	0.984	0.965	0.978	2.9
Indeno(1,2,3-cd)pyrene		1.196	1.251	1.284	1.257	1.244	1.249	2.4
Dibenzo(a,h)anthracene		0.979	1.028	1.078	1.047	1.021	1.030	3.1
Benzo(g,h,i)perylene		1.062	1.037	1.115	1.063	1.051	1.063	2.6
1,2,4,5-Tetrachlorobenzene		0.623	0.605	0.600	0.539	0.529	0.566	7.5
1,4-Dioxane		0.598	0.557	0.577	0.544	0.536	0.557	4.3
2,3,4,6-Tetrachlorophenol		0.312	0.316	0.322	0.300	0.296	0.305	3.9
1-Methylnaphthalene		0.688	0.669	0.654	0.602	0.585	0.623	7.5

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.: BF090924 SAS No.: BF090924 SDG NO.: BF090924

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 9 2024 12:00AM

Lab File ID: BF139238.D Time Analyzed: 14:15

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	130545	6.893	471691	8.18	256219	9.93
UPPER LIMIT	261090	7.393	943382	8.675	512438	10.428
LOWER LIMIT	65272.5	6.393	235845.5	7.675	128109.5	9.428
EPA SAMPLE NO.						
01 PB163214BL	162531	6.89	625793	8.17	345706	9.92
02 PB163214BS	121524	6.89	451152	8.18	247423	9.93
03 VNJ-217	110453	6.89	401436	8.17	203216	9.92
04 DN-W-02	112399	6.89	405555	8.17	203871	9.92
05 DN-W-02MS	117776	6.89	434549	8.18	225077	9.93
06 DN-W-02MSD	115800	6.89	423123	8.17	223279	9.93
07 ARS20-005	100220	6.89	320092	8.17	114872 *	9.94
08 SHEEPSHEAD-SOIL-PILE	114056	6.89	422591	8.17	214657	9.92
09 VNJ223	123090	6.89	449063	8.17	229052	9.92
10 B1 (0-6)	110506	6.89	399102	8.17	197814	9.92
11 DN-B-36	117227	6.89	407198	8.17	189032	9.92

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.: BF090924 SAS No.: BF090924 SDG NO.: BF090924

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 9 2024 12:00AM

Lab File ID: BF139280.D Time Analyzed: 14:15

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	131801	6.893	481311	8.18	263474	9.93
UPPER LIMIT	263602	7.393	962622	8.675	526948	10.428
LOWER LIMIT	65900.5	6.393	240655.5	7.675	131737	9.428
EPA SAMPLE NO.						
01 PB163214BL	162531	6.89	625793	8.17	345706	9.92
02 PB163214BS	121524	6.89	451152	8.18	247423	9.93
03 VNJ-217	110453	6.89	401436	8.17	203216	9.92
04 DN-W-02	112399	6.89	405555	8.17	203871	9.92
05 DN-W-02MS	117776	6.89	434549	8.18	225077	9.93
06 DN-W-02MSD	115800	6.89	423123	8.17	223279	9.93
07 ARS20-005	100220	6.89	320092	8.17	114872 *	9.94
08 SHEEPSHEAD-SOIL-PILE	114056	6.89	422591	8.17	214657	9.92
09 VNJ223	123090	6.89	449063	8.17	229052	9.92
10 B1 (0-6)	110506	6.89	399102	8.17	197814	9.92
11 DN-B-36	117227	6.89	407198	8.17	189032	9.92

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.: BF090924 SAS No.: BF090924 SDG NO.: BF090924

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 9 2024 12:00AM

Lab File ID: BF139238.D Time Analyzed: 14:15

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	463513	11.416	215446	14.051	225523	15.527
	UPPER LIMIT	927026	11.916	430892	14.551	451046	16.027
	LOWER LIMIT	231756.5	10.916	107723	13.551	112761.5	15.027
	EPA SAMPLE NO.						
01	PB163214BL	646106	11.41	372881	14.05	284691	15.53
02	PB163214BS	463457	11.42	229103	14.06	221245	15.53
03	VNJ-217	310506	11.41	180277	14.05	142532	15.53
04	DN-W-02	319431	11.41	189843	14.05	155305	15.52
05	DN-W-02MS	374417	11.42	194850	14.05	183785	15.53
06	DN-W-02MSD	361322	11.42	196353	14.06	182619	15.53
07	ARS20-005	144141 *	11.47	147274	14.12	109533 *	15.55
08	SHEEPSHEAD-SOIL-PILE	324418	11.41	188447	14.05	168675	15.52
09	VNJ223	313149	11.41	203513	14.05	172232	15.53
10	B1 (0-6)	275342	11.41	194784	14.05	146347	15.52
11	DN-B-36	261832	11.41	199808	14.05	140960	15.53

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.: BF090924 SAS No.: BF090924 SDG NO.: BF090924

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 9 2024 12:00AM

Lab File ID: BF139280.D Time Analyzed: 14:15

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	481648	11.416	227329	14.051	234256	15.527
	UPPER LIMIT	963296	11.916	454658	14.551	468512	16.027
	LOWER LIMIT	240824	10.916	113664.5	13.551	117128	15.027
	EPA SAMPLE NO.						
01	PB163214BL	646106	11.41	372881	14.05	284691	15.53
02	PB163214BS	463457	11.42	229103	14.06	221245	15.53
03	VNJ-217	310506	11.41	180277	14.05	142532	15.53
04	DN-W-02	319431	11.41	189843	14.05	155305	15.52
05	DN-W-02MS	374417	11.42	194850	14.05	183785	15.53
06	DN-W-02MSD	361322	11.42	196353	14.06	182619	15.53
07	ARS20-005	144141 *	11.47	147274	14.12	109533 *	15.55
08	SHEEPSHEAD-SOIL-PILE	324418	11.41	188447	14.05	168675	15.52
09	VNJ223	313149	11.41	203513	14.05	172232	15.53
10	B1 (0-6)	275342	11.41	194784	14.05	146347	15.52
11	DN-B-36	261832	11.41	199808	14.05	140960	15.53

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF090924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB163214BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1400	ug/Kg	82				28	98	
	Benzaldehyde	1700	530	ug/Kg	31				10	133	
	Aniline	1700	1700	ug/Kg	100				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1700	ug/Kg	100				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				46	141	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	980	ug/Kg	58				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	6000	ug/Kg	182		*		45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104	
	Total PAH	27200	27000	ug/Kg	99				57	104	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF090924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163214BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3400	ug/Kg	100				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	Azobenzene	1700	1700	ug/Kg	100				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	2300	ug/Kg	135				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Carbazole	1700	1700	ug/Kg	100		*		61	99	
	Di-n-butylphthalate	1700	1900	ug/Kg	112		*		58	104	
	Fluoranthene	1700	1700	ug/Kg	100				57	107	
	Benzidine	3300	2500	ug/Kg	76				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	2100	ug/Kg	124		*		55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1700	ug/Kg	100				59	101	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	
	1-Methylnaphthalene	1700	1600	ug/Kg	94				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163214BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF090924

SAS No.: BF090924 SDG NO.: BF090924

Lab File ID: BF139281.D

Lab Sample ID: PB163214BL

Instrument ID: BNA_F

Date Extracted: 09/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 09/09/2024

Level: (low/med) LOW

Time Analyzed: 14:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163214BS	PB163214BS	BF139282.D	09/09/2024
VNJ-217	P3881-01	BF139283.D	09/09/2024
DN-W-02	P3888-02	BF139284.D	09/09/2024
DN-W-02MS	P3888-02MS	BF139285.D	09/09/2024
DN-W-02MSD	P3888-02MSD	BF139286.D	09/09/2024
ARS20-005	P3892-01	BF139287.D	09/09/2024
SHEEPSHEAD-SOIL-PILE	P3880-01	BF139288.D	09/09/2024
VNJ223	P3852-02	BF139289.D	09/09/2024
B1 (0-6)	P3871-01	BF139290.D	09/09/2024
DN-B-36	P3888-01	BF139291.D	09/09/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF090924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3888-02MS		Client Sample ID: DN-W-02MS		DataFile: BF139285.D							
n-Nitrosodimethylamine	1900		1700	ug/Kg	89				66	124	
Pyridine	1900		1600	ug/Kg	84				45	119	
Benzaldehyde	1900		610	ug/Kg	32				10	86	
Aniline	1900		1800	ug/Kg	95	*			10	88	
Phenol	1900		1800	ug/Kg	95				67	126	
bis(2-Chloroethyl)ether	1900		1900	ug/Kg	100				54	125	
2-Chlorophenol	1900		1900	ug/Kg	100				79	107	
1,2-Dichlorobenzene	1900		1800	ug/Kg	95				61	105	
1,3-Dichlorobenzene	1900		1700	ug/Kg	89				62	101	
1,4-Dichlorobenzene	1900		1800	ug/Kg	95				63	104	
Benzyl Alcohol	1900		1900	ug/Kg	100				47	126	
2-Methylphenol	1900		1900	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1900		1900	ug/Kg	100				65	110	
Acetophenone	1900		1800	ug/Kg	95				75	111	
3+4-Methylphenols	1900		1800	ug/Kg	95				66	104	
N-Nitroso-di-n-propylamine	1900		1900	ug/Kg	100				59	119	
Hexachloroethane	1900		1800	ug/Kg	95				65	117	
Nitrobenzene	1900		1800	ug/Kg	95				70	119	
Isophorone	1900		1900	ug/Kg	100				76	122	
2-Nitrophenol	1900		2000	ug/Kg	105				54	145	
2,4-Dimethylphenol	1900		2300	ug/Kg	121				44	135	
bis(2-Chloroethoxy)methane	1900		1900	ug/Kg	100				68	112	
2,4-Dichlorophenol	1900		1900	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1900		1800	ug/Kg	95				57	103	
Benzoic acid	1900		1400	ug/Kg	74				50	104	
Naphthalene	1900		1800	ug/Kg	95				72	110	
4-Chloroaniline	1900		970	ug/Kg	51				10	91	
Hexachlorobutadiene	1900		1800	ug/Kg	95				66	114	
Caprolactam	1900		1800	ug/Kg	95				51	134	
4-Chloro-3-methylphenol	1900		1900	ug/Kg	100				57	132	
2-Methylnaphthalene	1900		1900	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	3800		6500	ug/Kg	171				10	175	
2,4,6-Trichlorophenol	1900		2000	ug/Kg	105				72	117	
2,4,5-Trichlorophenol	1900		1900	ug/Kg	100				72	117	
1,1-Biphenyl	1900		1900	ug/Kg	100				75	113	
2-Chloronaphthalene	1900		1800	ug/Kg	95				67	118	
2-Nitroaniline	1900		2000	ug/Kg	105				69	127	
Dimethylphthalate	1900		2000	ug/Kg	105				70	113	
Acenaphthylene	1900		2000	ug/Kg	105				79	118	
2,6-Dinitrotoluene	1900		1900	ug/Kg	100				70	125	
3-Nitroaniline	1900		1400	ug/Kg	74				30	99	
Acenaphthene	1900		2100	ug/Kg	111				70	121	
Total PAH	30400		29700	ug/Kg	98				70	121	
2,4-Dinitrophenol	3800		3100	ug/Kg	82				10	155	
4-Nitrophenol	3800		3200	ug/Kg	84				45	133	
Dibenzofuran	1900		1900	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF090924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1900		1900	ug/Kg	100				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3800	ug/Kg	100				55	128	
Diethylphthalate	1900		2100	ug/Kg	111				70	112	
4-Chlorophenyl-phenylether	1900		1900	ug/Kg	100				71	108	
Fluorene	1900		1900	ug/Kg	100				68	116	
4-Nitroaniline	1900		1700	ug/Kg	89				55	120	
4,6-Dinitro-2-methylphenol	1900		2000	ug/Kg	105				10	160	
N-Nitrosodiphenylamine	1900		2100	ug/Kg	111				73	118	
Azobenzene	1900		2100	ug/Kg	111	*			73	110	
4-Bromophenyl-phenylether	1900		2100	ug/Kg	111				65	121	
Hexachlorobenzene	1900		1900	ug/Kg	100				67	118	
Atrazine	1900		2800	ug/Kg	147	*			79	127	
Pentachlorophenol	3800		3600	ug/Kg	95				47	128	
Phenanthrene	1900		1900	ug/Kg	100				52	128	
Anthracene	1900		2000	ug/Kg	105				62	124	
Carbazole	1900		1800	ug/Kg	95				59	119	
Di-n-butylphthalate	1900		2400	ug/Kg	126	*			69	118	
Fluoranthene	1900		1700	ug/Kg	89				44	125	
Benzidine	3800		2400	ug/Kg	63				10	119	
Pyrene	1900		1600	ug/Kg	84				26	142	
Butylbenzylphthalate	1900		2500	ug/Kg	132	*			64	126	
3,3-Dichlorobenzidine	1900		1700	ug/Kg	89				33	116	
Benzo(a)anthracene	1900		2000	ug/Kg	105				71	114	
Chrysene	1900		1900	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1900		2800	ug/Kg	147				42	169	
Di-n-octyl phthalate	1900		2400	ug/Kg	126				23	175	
Benzo(b)fluoranthene	1900		2100	ug/Kg	111				67	121	
Benzo(k)fluoranthene	1900		2300	ug/Kg	121				57	134	
Benzo(a)pyrene	1900		2100	ug/Kg	111				70	142	
Indeno(1,2,3-cd)pyrene	1900		1500	ug/Kg	79				40	129	
Dibenz(a,h)anthracene	1900		1500	ug/Kg	79				43	123	
Benzo(g,h,i)perylene	1900		1300	ug/Kg	68				24	125	
1,2,4,5-Tetrachlorobenzene	1900		1900	ug/Kg	100				69	124	
1,4-Dioxane	1900		1500	ug/Kg	79				46	112	
2,3,4,6-Tetrachlorophenol	1900		2000	ug/Kg	105				69	112	
1-Methylnaphthalene	1900		1800	ug/Kg	95				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF090924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3888-02MSD		Client Sample ID: DN-W-02MSD		DataFile: BF139286.D							
n-Nitrosodimethylamine	1900		1800	ug/Kg	95		7		66	124	20
Pyridine	1900		1600	ug/Kg	84		0		45	119	20
Benzaldehyde	1900		630	ug/Kg	33		3		10	86	20
Aniline	1900		1800	ug/Kg	95	*	0		10	88	20
Phenol	1900		1900	ug/Kg	100		5		67	126	20
bis(2-Chloroethyl)ether	1900		1900	ug/Kg	100		0		54	125	20
2-Chlorophenol	1900		1900	ug/Kg	100		0		79	107	20
1,2-Dichlorobenzene	1900		1800	ug/Kg	95		0		61	105	20
1,3-Dichlorobenzene	1900		1800	ug/Kg	95		7		62	101	20
1,4-Dichlorobenzene	1900		1800	ug/Kg	95		0		63	104	20
Benzyl Alcohol	1900		1900	ug/Kg	100		0		47	126	20
2-Methylphenol	1900		1900	ug/Kg	100		0		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1900	ug/Kg	100		0		65	110	20
Acetophenone	1900		1900	ug/Kg	100		5		75	111	20
3+4-Methylphenols	1900		1900	ug/Kg	100		5		66	104	20
N-Nitroso-di-n-propylamine	1900		1900	ug/Kg	100		0		59	119	20
Hexachloroethane	1900		1800	ug/Kg	95		0		65	117	20
Nitrobenzene	1900		1800	ug/Kg	95		0		70	119	20
Isophorone	1900		2000	ug/Kg	105		5		76	122	20
2-Nitrophenol	1900		2100	ug/Kg	111		6		54	145	20
2,4-Dimethylphenol	1900		2300	ug/Kg	121		0		44	135	20
bis(2-Chloroethoxy)methane	1900		1900	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1900		1900	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1900		1800	ug/Kg	95		0		57	103	20
Benzoic acid	1900		1400	ug/Kg	74		0		50	104	20
Naphthalene	1900		1900	ug/Kg	100		5		72	110	20
4-Chloroaniline	1900		1000	ug/Kg	53		4		10	91	20
Hexachlorobutadiene	1900		1800	ug/Kg	95		0		66	114	20
Caprolactam	1900		1800	ug/Kg	95		0		51	134	20
4-Chloro-3-methylphenol	1900		1900	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1900		1900	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	3800		6600	ug/Kg	174		2		10	175	20
2,4,6-Trichlorophenol	1900		2000	ug/Kg	105		0		72	117	20
2,4,5-Trichlorophenol	1900		1900	ug/Kg	100		0		72	117	20
1,1-Biphenyl	1900		1900	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1900		1900	ug/Kg	100		5		67	118	20
2-Nitroaniline	1900		2000	ug/Kg	105		0		69	127	20
Dimethylphthalate	1900		2000	ug/Kg	105		0		70	113	20
Acenaphthylene	1900		2000	ug/Kg	105		0		79	118	20
2,6-Dinitrotoluene	1900		2000	ug/Kg	105		5		70	125	20
3-Nitroaniline	1900		1400	ug/Kg	74		0		30	99	20
Acenaphthene	1900		2100	ug/Kg	111		0		70	121	20
Total PAH	30400		30200	ug/Kg	99		1		70	121	20
2,4-Dinitrophenol	3800		3200	ug/Kg	84		2		10	155	20
4-Nitrophenol	3800		3200	ug/Kg	84		0		45	133	20
Dibenzofuran	1900		1900	ug/Kg	100		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF090924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1900		1900	ug/Kg	100		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3900	ug/Kg	103		3		55	128	20
Diethylphthalate	1900		2100	ug/Kg	111		0		70	112	20
4-Chlorophenyl-phenylether	1900		1900	ug/Kg	100		0		71	108	20
Fluorene	1900		1900	ug/Kg	100		0		68	116	20
4-Nitroaniline	1900		1700	ug/Kg	89		0		55	120	20
4,6-Dinitro-2-methylphenol	1900		2100	ug/Kg	111		6		10	160	20
N-Nitrosodiphenylamine	1900		2100	ug/Kg	111		0		73	118	20
Azobenzene	1900		2100	ug/Kg	111	*	0		73	110	20
4-Bromophenyl-phenylether	1900		2100	ug/Kg	111		0		65	121	20
Hexachlorobenzene	1900		2000	ug/Kg	105		5		67	118	20
Atrazine	1900		2800	ug/Kg	147	*	0		79	127	20
Pentachlorophenol	3800		3700	ug/Kg	97		2		47	128	20
Phenanthrene	1900		2000	ug/Kg	105		5		52	128	20
Anthracene	1900		2000	ug/Kg	105		0		62	124	20
Carbazole	1900		1800	ug/Kg	95		0		59	119	20
Di-n-butylphthalate	1900		2400	ug/Kg	126	*	0		69	118	20
Fluoranthene	1900		1800	ug/Kg	95		7		44	125	20
Benzydine	3800		2600	ug/Kg	68		8		10	119	20
Pyrene	1900		1600	ug/Kg	84		0		26	142	20
Butylbenzylphthalate	1900		2600	ug/Kg	137	*	4		64	126	20
3,3-Dichlorobenzidine	1900		1800	ug/Kg	95		7		33	116	20
Benzo(a)anthracene	1900		2000	ug/Kg	105		0		71	114	20
Chrysene	1900		2000	ug/Kg	105		5		57	121	20
bis(2-Ethylhexyl)phthalate	1900		2800	ug/Kg	147		0		42	169	20
Di-n-octyl phthalate	1900		2500	ug/Kg	132		5		23	175	20
Benzo(b)fluoranthene	1900		2100	ug/Kg	111		0		67	121	20
Benzo(k)fluoranthene	1900		2300	ug/Kg	121		0		57	134	20
Benzo(a)pyrene	1900		2200	ug/Kg	116		4		70	142	20
Indeno(1,2,3-cd)pyrene	1900		1500	ug/Kg	79		0		40	129	20
Dibenz(a,h)anthracene	1900		1500	ug/Kg	79		0		43	123	20
Benzo(g,h,i)perylene	1900		1300	ug/Kg	68		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1900		1900	ug/Kg	100		0		69	124	20
1,4-Dioxane	1900		1500	ug/Kg	79		0		46	112	20
2,3,4,6-Tetrachlorophenol	1900		2000	ug/Kg	105		0		69	112	20
1-Methylnaphthalene	1900		1800	ug/Kg	95		0		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF090924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3852-02	VNJ223	BF139289.D	2-Fluorophenol	150	86.52	58		18	112
			Phenol-d6	150	85.65	57		15	107
			Nitrobenzene-d5	100	62.55	63		18	107
			2-Fluorobiphenyl	100	66.55	67		20	109
			2,4,6-Tribromophenol	150	75.44	50		10	116
			Terphenyl-d14	100	51.34	51		10	105
P3871-01	B1(0-6)	BF139290.D	2-Fluorophenol	150	50.68	34		18	112
			Phenol-d6	150	85.03	57		15	107
			Nitrobenzene-d5	100	64.51	65		18	107
			2-Fluorobiphenyl	100	65.09	65		20	109
			2,4,6-Tribromophenol	150	28.72	19		10	116
			Terphenyl-d14	100	48.16	48		10	105
P3880-01	SHEEPSHEAD-SO	BF139288.D	2-Fluorophenol	150	94.93	63		18	112
			Phenol-d6	150	93.80	63		15	107
			Nitrobenzene-d5	100	67.91	68		18	107
			2-Fluorobiphenyl	100	68.59	69		20	109
			2,4,6-Tribromophenol	150	81.67	54		10	116
			Terphenyl-d14	100	56.37	56		10	105
P3881-01	VNJ-217	BF139283.D	2-Fluorophenol	150	16.19	11	*	18	112
			Phenol-d6	150	58.33	39		15	107
			Nitrobenzene-d5	100	62.76	63		18	107
			2-Fluorobiphenyl	100	67.67	68		20	109
			2,4,6-Tribromophenol	150	0.55	0	*	10	116
			Terphenyl-d14	100	61.43	61		10	105
P3888-01	DN-B-36	BF139291.D	2-Fluorophenol	150	86.73	58		18	112
			Phenol-d6	150	85.23	57		15	107
			Nitrobenzene-d5	100	66.20	66		18	107
			2-Fluorobiphenyl	100	74.24	74		20	109
			2,4,6-Tribromophenol	150	80.95	54		10	116
			Terphenyl-d14	100	55.21	55		10	105
P3888-02	DN-W-02	BF139284.D	2-Fluorophenol	150	115.28	77		18	112
			Phenol-d6	150	113.92	76		15	107
			Nitrobenzene-d5	100	84.77	85		18	107
			2-Fluorobiphenyl	100	84.67	85		20	109
			2,4,6-Tribromophenol	150	112.33	75		10	116
			Terphenyl-d14	100	68.16	68		10	105
P3888-02MS	DN-W-02MS	BF139285.D	2-Fluorophenol	150	106.56	71		18	112
			Phenol-d6	150	107.79	72		15	107
			Nitrobenzene-d5	100	77.53	78		18	107
			2-Fluorobiphenyl	100	76.37	76		20	109
			2,4,6-Tribromophenol	150	114.15	76		10	116
			Terphenyl-d14	100	64.69	65		10	105
P3888-02MSD	DN-W-02MSD	BF139286.D	2-Fluorophenol	150	108.10	72		18	112
			Phenol-d6	150	109.64	73		15	107
			Nitrobenzene-d5	100	79.65	80		18	107
			2-Fluorobiphenyl	100	76.58	77		20	109
			2,4,6-Tribromophenol	150	112.91	75		10	116
			Terphenyl-d14	100	64.76	65		10	105
P3892-01	ARS20-005	BF139287.D	2-Fluorophenol	150	91.64	61		18	112

Surrogate Summary

SW-846

SDG No.: **BF090924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3892-01	ARS20-005	BF139287.D	Phenol-d6	150	90.59	60		15	107
			Nitrobenzene-d5	100	71.84	72		18	107
			2-Fluorobiphenyl	100	81.66	82		20	109
			2,4,6-Tribromophenol	150	113.94	76		10	116
			Terphenyl-d14	100	52.23	52		10	105
PB163214BL	PB163214BL	BF139281.D	2-Fluorophenol	150	118.73	79		18	112
			Phenol-d6	150	115.78	77		15	107
			Nitrobenzene-d5	100	82.11	82		18	107
			2-Fluorobiphenyl	100	77.71	78		20	109
			2,4,6-Tribromophenol	150	121.51	81		10	116
PB163214BS	PB163214BS	BF139282.D	Terphenyl-d14	100	78.72	79		10	105
			2-Fluorophenol	150	139.22	93		18	112
			Phenol-d6	150	138.81	93		15	107
			Nitrobenzene-d5	100	99.87	100		18	107
			2-Fluorobiphenyl	100	97.37	97		20	109
			2,4,6-Tribromophenol	150	157.16	105		10	116
			Terphenyl-d14	100	105.98	106	*	10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF090924

Lab Code: CHEM

SAS No.: BF090924 SDG NO.: BF090924

Lab File ID: BF139279.D

DFTPP Injection Date: 09/09/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	50
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	41.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.5
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	6.8
275	10.0 - 60.0% of mass 198	26.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	79.3
443	15.0 - 24.0% of mass 442	15.4 (19.5) 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	BF139280.D	09/09/2024	12:03
PB163214BL	PB163214BL	BF139281.D	09/09/2024	14:15
PB163214BS	PB163214BS	BF139282.D	09/09/2024	14:45
VNJ-217	P3881-01	BF139283.D	09/09/2024	15:18
DN-W-02	P3888-02	BF139284.D	09/09/2024	15:48
DN-W-02MS	P3888-02MS	BF139285.D	09/09/2024	16:17
DN-W-02MSD	P3888-02MSD	BF139286.D	09/09/2024	16:48
ARS20-005	P3892-01	BF139287.D	09/09/2024	17:18
SHEEPSHEAD-SOIL-PILE	P3880-01	BF139288.D	09/09/2024	17:48
VNJ223	P3852-02	BF139289.D	09/09/2024	18:18
B1 (0-6)	P3871-01	BF139290.D	09/09/2024	18:49
DN-B-36	P3888-01	BF139291.D	09/09/2024	19:19