

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF100924 SAS No.: BF100924 SDG No.: BF100924
Instrument ID: BNA_F Calibration Date/Time: 10/9/2024 1:10:13
Lab File ID: BF139712.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	0.794	0.761		-4.156	
Pyridine	1.213	1.204		-0.742	
2-Fluorophenol	1.154	1.141		-1.127	
Benzaldehyde	0.822	0.769		-6.448	
Aniline	1.377	1.280		-7.044	
Phenol-d6	1.552	1.523		-1.869	
Phenol	1.632	1.622		-0.613	20.0
bis(2-Chloroethyl)ether	1.329	1.225		-7.825	
2-Chlorophenol	1.236	1.218		-1.456	
1,2-Dichlorobenzene	1.320	1.270		-3.788	
1,3-Dichlorobenzene	1.391	1.367		-1.725	
1,4-Dichlorobenzene	1.409	1.350		-4.187	20.0
Benzyl Alcohol	1.186	1.124		-5.228	
2-Methylphenol	1.032	1.003		-2.81	
2,2-oxybis(1-Chloropropane)	2.300	2.133		-7.261	
Acetophenone	0.475	0.448		-5.684	
3+4-Methylphenols	1.296	1.241		-4.244	
n-Nitroso-di-n-propylamine	0.998	0.922	0.050	-7.615	
Nitrobenzene-d5	0.395	0.378		-4.304	
Hexachloroethane	0.525	0.501		-4.571	
Nitrobenzene	0.409	0.395		-3.423	
Isophorone	0.702	0.665		-5.271	
2-Nitrophenol	0.176	0.179		1.705	20.0
2,4-Dimethylphenol	0.215	0.210		-2.326	
bis(2-Chloroethoxy)methane	0.419	0.401		-4.296	
2,4-Dichlorophenol	0.281	0.276		-1.779	20.0
1,2,4-Trichlorobenzene	0.318	0.306		-3.774	
Benzoic acid	0.214	0.221		3.271	
Naphthalene	1.023	0.975		-4.692	
4-Chloroaniline	0.346	0.326		-5.78	
Hexachlorobutadiene	0.205	0.191		-6.829	20.0
Caprolactam	0.092	0.088		-4.348	
4-Chloro-3-methylphenol	0.318	0.305		-4.088	20.0
2-Methylnaphthalene	0.666	0.628		-5.706	
Hexachlorocyclopentadiene	0.170	0.146	0.050	-14.118	
2,4,6-Trichlorophenol	0.374	0.350		-6.417	20.0
2-Fluorobiphenyl	1.303	1.221		-6.293	
2,4,5-Trichlorophenol	0.404	0.394		-2.475	
1,1-Biphenyl	1.488	1.413		-5.04	

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Lab File ID: BF139712.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	1.115	1.088		-2.422	
2-Nitroaniline	0.400	0.400		0.0	
Dimethylphthalate	1.309	1.255		-4.125	
Acenaphthylene	1.696	1.623		-4.304	
2,6-Dinitrotoluene	0.296	0.288		-2.703	
3-Nitroaniline	0.302	0.287		-4.967	
Acenaphthene	1.164	1.115		-4.21	20.0
2,4-Dinitrophenol	0.159	0.160	0.050	0.629	
4-Nitrophenol	0.230	0.216	0.050	-6.087	
Dibenzofuran	1.630	1.568		-3.804	
2,4-Dinitrotoluene	0.387	0.378		-2.326	
Diethylphthalate	1.352	1.267		-6.287	
4-Chlorophenyl-phenylether	0.650	0.605		-6.923	
Fluorene	1.298	1.222		-5.855	
4-Nitroaniline	0.309	0.287		-7.12	
4,6-Dinitro-2-methylphenol	0.113	0.117		3.54	
n-Nitrosodiphenylamine	0.590	0.576		-2.373	20.0
Azobenzene	1.360	1.277		-6.103	
2,4,6-Tribromophenol	0.193	0.180		-6.736	
4-Bromophenyl-phenylether	0.205	0.198		-3.415	
Hexachlorobenzene	0.228	0.221		-3.07	
Atrazine	0.158	0.156		-1.266	
Pentachlorophenol	0.135	0.127		-5.926	20.0
Phenanthrene	0.943	0.916		-2.863	
Anthracene	0.933	0.888		-4.823	
Carbazole	0.896	0.863		-3.683	
Di-n-butylphthalate	1.090	1.007		-7.615	
Fluoranthene	1.031	0.943		-8.535	20.0
Benzidine	0.353	0.327		-7.365	
Pyrene	1.789	1.902		6.316	
Terphenyl-d14	1.219	1.246		2.215	
Butylbenzylphthalate	0.640	0.637		-0.469	
3,3-Dichlorobenzidine	0.402	0.400		-0.498	
Benzo(a)anthracene	1.315	1.259		-4.259	
Chrysene	1.202	1.199		-0.25	
Bis(2-ethylhexyl)phthalate	0.799	0.779		-2.503	
Di-n-octyl phthalate	1.174	1.155		-1.618	20.0
Benzo(b)fluoranthene	1.293	1.108		-14.308	
Benzo(k)fluoranthene	1.097	1.078		-1.732	

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Instrument ID: BNA_F Calibration Date/Time: 10/9/2024 1:10:13

Lab File ID: BF139712.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.020	0.986		-3.333	20.0
Indeno(1,2,3-cd)pyrene	1.177	1.251		6.287	
Dibenzo(a,h)anthracene	0.976	1.031		5.635	
Benzo(g,h,i)perylene	0.979	1.069		9.193	
1,2,4,5-Tetrachlorobenzene	0.555	0.537		-3.243	
1,4-Dioxane	0.499	0.486		-2.605	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.305		-6.442	
1-Methylnaphthalene	0.651	0.618		-5.069	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BL	SDG No.:	BF100924
Lab Sample ID:	PB163970BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139713.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

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

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BL	SDG No.:	BF100924
Lab Sample ID:	PB163970BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139713.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

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

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BL	SDG No.:	BF100924
Lab Sample ID:	PB163970BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139713.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.822		18-112		79	SPK: -150
13127-88-3	Phenol-d6	116.373		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	79.508		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	77.329		20-109		77	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BL	SDG No.:	BF100924
Lab Sample ID:	PB163970BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139713.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	115.085		10-116		77	SPK: -150
1718-51-0	Terphenyl-d14	78.882		10-105		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102789	6.863				
1146-65-2	Naphthalene-d8	386511	8.145				
15067-26-2	Acenaphthene-d10	223930	9.898				
1517-22-2	Phenanthrene-d10	439622	11.386				
1719-03-5	Chrysene-d12	276476	14.027				
1520-96-3	Perylene-d12	212622	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	180	J			2.21	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	A			5.099	

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BS	SDG No.:	BF100924
Lab Sample ID:	PB163970BS	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
BF139714.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1500		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	810		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	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		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	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1600		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		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	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	930		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BS	SDG No.:	BF100924
Lab Sample ID:	PB163970BS	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
BF139714.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81	130	170	ug/Kg
Total PAH	Total PAH	26100		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1600		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BS	SDG No.:	BF100924
Lab Sample ID:	PB163970BS	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
BF139714.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2800	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	2800	E	160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		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	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	135.127		18-112		90	SPK: -150
13127-88-3	Phenol-d6	133.893		15-107		89	SPK: -150
4165-60-0	Nitrobenzene-d5	89.667		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	87.348		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163970BS	SDG No.:	BF100924
Lab Sample ID:	PB163970BS	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
BF139714.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.427		10-116		88	SPK: -150
1718-51-0	Terphenyl-d14	100.801		10-105		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98382	6.869				
1146-65-2	Naphthalene-d8	380731	8.151				
15067-26-2	Acenaphthene-d10	220033	9.904				
1517-22-2	Phenanthrene-d10	414520	11.392				
1719-03-5	Chrysene-d12	218763	14.033				
1520-96-3	Perylene-d12	184986	15.504				

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BL	SDG No.:	BF100924
Lab Sample ID:	PB163947BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139715.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

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

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BL	SDG No.:	BF100924
Lab Sample ID:	PB163947BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139715.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

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

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BL	SDG No.:	BF100924
Lab Sample ID:	PB163947BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139715.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.599		18-112		96	SPK: -150
13127-88-3	Phenol-d6	138.559		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	95.739		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	93.848		20-109		94	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BL	SDG No.:	BF100924
Lab Sample ID:	PB163947BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139715.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.718		10-116		92	SPK: -150
1718-51-0	Terphenyl-d14	93.386		10-105		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92304	6.863				
1146-65-2	Naphthalene-d8	351162	8.145				
15067-26-2	Acenaphthene-d10	199451	9.898				
1517-22-2	Phenanthrene-d10	392411	11.386				
1719-03-5	Chrysene-d12	247748	14.027				
1520-96-3	Perylene-d12	192020	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	210	J			2.222	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A			5.104	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BS	SDG No.:	BF100924
Lab Sample ID:	PB163947BS	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
BF139716.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1500		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	840		180	270	330	ug/Kg
62-53-3	Aniline	1800		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		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	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	1200		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BS	SDG No.:	BF100924
Lab Sample ID:	PB163947BS	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
BF139716.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1300		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81	130	170	ug/Kg
Total PAH	Total PAH	26400		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	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)	3100		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BS	SDG No.:	BF100924
Lab Sample ID:	PB163947BS	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
BF139716.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1700		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	3600	E	160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		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	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		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	1900		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		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	1700		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134.074		18-112		89	SPK: -150
13127-88-3	Phenol-d6	133.019		15-107		89	SPK: -150
4165-60-0	Nitrobenzene-d5	88.596		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	87.073		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163947BS	SDG No.:	BF100924
Lab Sample ID:	PB163947BS	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
BF139716.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.711		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	101.314		10-105		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98066	6.869				
1146-65-2	Naphthalene-d8	381544	8.151				
15067-26-2	Acenaphthene-d10	213652	9.904				
1517-22-2	Phenanthrene-d10	400245	11.392				
1719-03-5	Chrysene-d12	208540	14.033				
1520-96-3	Perylene-d12	181893	15.498				

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BS	SDG No.:	BF100924
Lab Sample ID:	PB163987BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139717.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.5		1	8	10	ug/L
110-86-1	Pyridine	43.2		1.6	4	5	ug/L
100-52-7	Benzaldehyde	21.4		4	8	10	ug/L
62-53-3	Aniline	46.8		1.6	4	5	ug/L
108-95-2	Phenol	47.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.4		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.1		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.8		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.1		1.4	4	5	ug/L
98-86-2	Acetophenone	44.7		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.5		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	45.5		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.7		1	4	5	ug/L
98-95-3	Nitrobenzene	43.7		1.3	4	5	ug/L
78-59-1	Isophorone	45.7		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	48.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	56.8		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	45.7		5.5	8	10	ug/L
91-20-3	Naphthalene	45		1	4	5	ug/L
106-47-8	4-Chloroaniline	18.5		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	43.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BS	SDG No.:	BF100924
Lab Sample ID:	PB163987BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139717.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47.8		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	45.1		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.9		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	46		1	4	5	ug/L
92-52-4	1,1-Biphenyl	45		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	47		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	46.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	28.3		1.4	4	5	ug/L
83-32-9	Acenaphthene	50.5		0.81	4	5	ug/L
Total PAH	Total PAH	787.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	90	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	92.1		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	45.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.6		0.98	4	5	ug/L
86-73-7	Fluorene	45.3		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	46.5		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.2		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.7		0.89	4	5	ug/L
103-33-3	Azobenzene	45.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	46.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	46.3		1.1	4	5	ug/L
1912-24-9	Atrazine	57.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BS	SDG No.:	BF100924
Lab Sample ID:	PB163987BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139717.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	86.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	48		0.89	4	5	ug/L
120-12-7	Anthracene	49.7		1.1	4	5	ug/L
86-74-8	Carbazole	46.4		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	47.1		1.5	4	5	ug/L
206-44-0	Fluoranthene	45.6		1.3	4	5	ug/L
92-87-5	Benzidine	84.6	E	4.1	8	10	ug/L
129-00-0	Pyrene	50.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	50.4		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	48.4		0.94	4	5	ug/L
218-01-9	Chrysene	48.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	50.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	48.5		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	52		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.9		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.3		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	51.3		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.3		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	40.1		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.1		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	42.9		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.94		10-139		81	SPK: -150
13127-88-3	Phenol-d6	119.461		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	80.855		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	80.097		52-132		80	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BS	SDG No.:	BF100924
Lab Sample ID:	PB163987BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139717.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	118.885		44-137		79	SPK: -150
1718-51-0	Terphenyl-d14	91.811		48-125		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	104485	6.869				
1146-65-2	Naphthalene-d8	400008	8.151				
15067-26-2	Acenaphthene-d10	224940	9.904				
1517-22-2	Phenanthrene-d10	413544	11.392				
1719-03-5	Chrysene-d12	217053	14.033				
1520-96-3	Perylene-d12	191631	15.498				

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BSD	SDG No.:	BF100924
Lab Sample ID:	PB163987BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139718.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.1		1	8	10	ug/L
110-86-1	Pyridine	49.6		1.6	4	5	ug/L
100-52-7	Benzaldehyde	23.9		4	8	10	ug/L
62-53-3	Aniline	54		1.6	4	5	ug/L
108-95-2	Phenol	54.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	55		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	51.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	50.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	50.7		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	52.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	53.7		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	52.1		1.4	4	5	ug/L
98-86-2	Acetophenone	50.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	52.3		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	51		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	50.5		1	4	5	ug/L
98-95-3	Nitrobenzene	48.7		1.3	4	5	ug/L
78-59-1	Isophorone	50.8		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	54.4		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	62.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	50.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	52.5		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	48.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	49.2		5.5	8	10	ug/L
91-20-3	Naphthalene	50.6		1	4	5	ug/L
106-47-8	4-Chloroaniline	21.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BSD	SDG No.:	BF100924
Lab Sample ID:	PB163987BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139718.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	48.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	50.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	50.1		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	50.8		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	50.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	49.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	49.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	52.4		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	51.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	54		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.5		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	31.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	55.9		0.81	4	5	ug/L
Total PAH	Total PAH	867.2		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	96.6	E	2	8	10	ug/L
132-64-9	Dibenzofuran	51.1		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	100.2		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	50.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	49.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.1		0.98	4	5	ug/L
86-73-7	Fluorene	50		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	50		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	54.6		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	52.1		0.89	4	5	ug/L
103-33-3	Azobenzene	50.2		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	50.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	51.1		1.1	4	5	ug/L
1912-24-9	Atrazine	62		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BSD	SDG No.:	BF100924
Lab Sample ID:	PB163987BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139718.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	93.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	52.5		0.89	4	5	ug/L
120-12-7	Anthracene	54.5		1.1	4	5	ug/L
86-74-8	Carbazole	51		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	50.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	49.4		1.3	4	5	ug/L
92-87-5	Benzidine	91.5	E	4.1	8	10	ug/L
129-00-0	Pyrene	56.9		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	54.7		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	38		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	54.2		0.94	4	5	ug/L
218-01-9	Chrysene	54.4		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	55.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	52.3		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	56.7		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	61.6		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	59.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	56.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	45.3		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	52		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	47.9		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	139.606		10-139		93	SPK: -150
13127-88-3	Phenol-d6	135.051		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	90.509		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	89.644		52-132		90	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BSD	SDG No.:	BF100924
Lab Sample ID:	PB163987BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139718.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.926		44-137		87	SPK: -150
1718-51-0	Terphenyl-d14	103.268		48-125		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85890	6.869				
1146-65-2	Naphthalene-d8	332977	8.151				
15067-26-2	Acenaphthene-d10	186571	9.904				
1517-22-2	Phenanthrene-d10	343281	11.392				
1719-03-5	Chrysene-d12	172046	14.033				
1520-96-3	Perylene-d12	166643	15.498				

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BL	SDG No.:	BF100924
Lab Sample ID:	PB163987BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139719.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BL	SDG No.:	BF100924
Lab Sample ID:	PB163987BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139719.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BL	SDG No.:	BF100924
Lab Sample ID:	PB163987BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139719.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	138.414		10-139		92	SPK: -150
13127-88-3	Phenol-d6	134.39		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	89.125		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	88.233		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	PB163987BL	SDG No.:	BF100924
Lab Sample ID:	PB163987BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139719.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	127.341		44-137		85	SPK: -150
1718-51-0	Terphenyl-d14	93.838		48-125		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91202	6.863				
1146-65-2	Naphthalene-d8	355788	8.145				
15067-26-2	Acenaphthene-d10	200276	9.898				
1517-22-2	Phenanthrene-d10	387987	11.386				
1719-03-5	Chrysene-d12	225352	14.027				
1520-96-3	Perylene-d12	180938	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	6.2	J			2.204	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.2	A			5.098	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PORT-ELIZABETH-1201	SDG No.:	BF100924
Lab Sample ID:	P4342-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139720.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.1	5.1	ug/L
100-52-7	Benzaldehyde	4.1	U	4.1	8.2	10.2	ug/L
62-53-3	Aniline	1.6	U	1.6	4.1	5.1	ug/L
108-95-2	Phenol	0.95	U	0.95	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.9	U	0.9	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.2	10.2	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.1	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1	U	1	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.1	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.9	U	0.9	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
65-85-0	Benzoic acid	5.6	U	5.6	8.2	10.2	ug/L
91-20-3	Naphthalene	1	U	1	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PORT-ELIZABETH-1201	SDG No.:	BF100924
Lab Sample ID:	P4342-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139720.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.86	U	0.86	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.1	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	0.93	U	0.93	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.99	U	0.99	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	0.95	U	0.95	4.1	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	4.1	5.1	ug/L
Total PAH	Total PAH	17.66	U	17.66	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.6	U	6.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.2	10.2	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	2.6	J	1.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.1	5.1	ug/L
86-73-7	Fluorene	0.98	U	0.98	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.91	U	0.91	4.1	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.97	U	0.97	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.1	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PORT-ELIZABETH-1201	SDG No.:	BF100924
Lab Sample ID:	P4342-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139720.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.2	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	4.1	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4.1	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.1	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4.1	5.1	ug/L
92-87-5	Benzidine	4.2	U	4.2	8.2	10.2	ug/L
129-00-0	Pyrene	1.1	U	1.1	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	4.1	5.1	ug/L
218-01-9	Chrysene	0.88	U	0.88	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	4.1	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.88	U	0.88	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	73.512		10-139		49	SPK: -150
13127-88-3	Phenol-d6	51.126		10-134		34	SPK: -150
4165-60-0	Nitrobenzene-d5	75.562		49-133		76	SPK: -100
321-60-8	2-Fluorobiphenyl	72.587		52-132		73	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PORT-ELIZABETH-1201	SDG No.:	BF100924
Lab Sample ID:	P4342-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139720.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.042		44-137		68	SPK: -150
1718-51-0	Terphenyl-d14	63.778		48-125		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83372	6.863				
1146-65-2	Naphthalene-d8	313731	8.145				
15067-26-2	Acenaphthene-d10	173613	9.898				
1517-22-2	Phenanthrene-d10	316016	11.386				
1719-03-5	Chrysene-d12	177795	14.027				
1520-96-3	Perylene-d12	139480	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	280	J			2.152	
000141-79-7	3-Penten-2-one, 4-methyl-	10.7	A			4.452	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	26.4	A			5.075	
000108-65-6	1-Methoxy-2-propyl acetate	4.4	J			5.393	
000620-14-4	Benzene, 1-ethyl-3-methyl-	8.2	J			6.922	
	unknown7.257	10.9	J			7.257	
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	4.5	J			7.628	
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.4	J			7.657	
001560-06-1	Benzene, 2-butenyl-	12.9	J			7.881	
1010309-22-7	Sulfurous acid, di(cyclohexylmethy	5.1	J			8.298	
000099-49-0	Carvone	7.6	J			8.481	
000097-53-0	Eugenol	46	J			9.098	
000054-85-3	Isoniazid	6.1	J			9.428	
000607-91-0	1,3-Benzodioxole, 4-methoxy-6-(2-p	5	J			10.004	
000119-61-9	Benzophenone	22.1	J			10.61	
000057-10-3	n-Hexadecanoic acid	18.4	J			11.91	
000057-11-4	Octadecanoic acid	17.3	J			12.692	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	13.8	J			13.357	
000629-59-4	Tetradecane	6.8	J			13.869	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PORT-ELIZABETH-1201	SDG No.:	BF100924
Lab Sample ID:	P4342-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139720.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000629-62-9	Pentadecane	4.8	J			14.186	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3	SDG No.:	BF100924
Lab Sample ID:	P4340-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139721.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	60.1	U	60.1	190	230	ug/Kg
110-86-1	Pyridine	55.3	U	55.3	90	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	67.1	U	67.1	90	120	ug/Kg
108-95-2	Phenol	57.4	U	57.4	90	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58	U	58	90	120	ug/Kg
95-57-8	2-Chlorophenol	57.8	U	57.8	90	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.6	U	58.6	90	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.5	U	59.5	90	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.9	U	59.9	90	120	ug/Kg
100-51-6	Benzyl Alcohol	57.5	U	57.5	190	230	ug/Kg
95-48-7	2-Methylphenol	55.8	U	55.8	90	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	90	120	ug/Kg
98-86-2	Acetophenone	60.2	U	60.2	90	120	ug/Kg
65794-96-9	3+4-Methylphenols	55.3	U	55.3	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.9	U	27.9	55.4	55.4	ug/Kg
67-72-1	Hexachloroethane	57.5	U	57.5	90	120	ug/Kg
98-95-3	Nitrobenzene	62.9	U	62.9	90	120	ug/Kg
78-59-1	Isophorone	58.6	U	58.6	90	120	ug/Kg
88-75-5	2-Nitrophenol	65.4	U	65.4	90	120	ug/Kg
105-67-9	2,4-Dimethylphenol	64.5	U	64.5	90	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.4	U	59.4	90	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52.3	U	52.3	90	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.1	U	59.1	90	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	190	230	ug/Kg
91-20-3	Naphthalene	57.2	U	57.2	90	120	ug/Kg
106-47-8	4-Chloroaniline	57.2	U	57.2	90	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.7	U	57.7	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3	SDG No.:	BF100924
Lab Sample ID:	P4340-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139721.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	60.1	U	60.1	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.7	U	53.7	90	120	ug/Kg
91-57-6	2-Methylnaphthalene	57.1	U	57.1	90	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.4	U	49.4	90	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.2	U	51.2	90	120	ug/Kg
92-52-4	1,1-Biphenyl	60.5	U	60.5	90	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.7	U	57.7	90	120	ug/Kg
88-74-4	2-Nitroaniline	65.8	U	65.8	90	120	ug/Kg
131-11-3	Dimethylphthalate	56.6	U	56.6	90	120	ug/Kg
208-96-8	Acenaphthylene	59.9	U	59.9	90	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.6	U	57.6	90	120	ug/Kg
99-09-2	3-Nitroaniline	61.8	U	61.8	90	120	ug/Kg
83-32-9	Acenaphthene	56.2	U	56.2	90	120	ug/Kg
Total PAH	Total PAH	917.7	U	917.7	90	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.3	U	80.3	190	230	ug/Kg
132-64-9	Dibenzofuran	58.4	U	58.4	90	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	117.3	U	117.3	90	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.7	U	59.7	90	120	ug/Kg
84-66-2	Diethylphthalate	55.5	U	55.5	90	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.3	U	59.3	90	120	ug/Kg
86-73-7	Fluorene	59.2	U	59.2	90	120	ug/Kg
100-01-6	4-Nitroaniline	74.1	U	74.1	90	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	81	U	81	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	56.5	U	56.5	90	120	ug/Kg
103-33-3	Azobenzene	55.1	U	55.1	90	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54.6	U	54.6	90	120	ug/Kg
118-74-1	Hexachlorobenzene	58.9	U	58.9	90	120	ug/Kg
1912-24-9	Atrazine	63.3	U	63.3	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3	SDG No.:	BF100924
Lab Sample ID:	P4340-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139721.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	53.5	U	53.5	190	230	ug/Kg
85-01-8	Phenanthrene	58.2	U	58.2	90	120	ug/Kg
120-12-7	Anthracene	58.4	U	58.4	90	120	ug/Kg
86-74-8	Carbazole	55.6	U	55.6	90	120	ug/Kg
84-74-2	Di-n-butylphthalate	58.4	U	58.4	90	120	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	90	120	ug/Kg
92-87-5	Benzidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	57.5	U	57.5	90	120	ug/Kg
85-68-7	Butylbenzylphthalate	67	U	67	90	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	68.3	U	68.3	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	55.9	U	55.9	90	120	ug/Kg
218-01-9	Chrysene	55	U	55	90	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63	U	63	90	120	ug/Kg
117-84-0	Di-n-octyl phthalate	76.2	U	76.2	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.2	U	56.2	90	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.2	U	57.2	90	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.4	U	64.4	90	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54.1	U	54.1	90	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.2	U	56.2	90	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.5	U	55.5	90	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.1	U	60.1	90	120	ug/Kg
123-91-1	1,4-Dioxane	76.2	U	76.2	90	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.7	U	51.7	90	120	ug/Kg
90-12-0	1-Methylnaphthalene	57.6	U	57.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114.648		18-112		76	SPK: -150
13127-88-3	Phenol-d6	112.86		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	75.99		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	73.972		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3	SDG No.:	BF100924
Lab Sample ID:	P4340-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139721.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	106.006		10-116		71	SPK: -150
1718-51-0	Terphenyl-d14	76.358		10-105		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85414	6.863				
1146-65-2	Naphthalene-d8	322110	8.145				
15067-26-2	Acenaphthene-d10	178988	9.898				
1517-22-2	Phenanthrene-d10	336231	11.386				
1719-03-5	Chrysene-d12	184881	14.027				
1520-96-3	Perylene-d12	157783	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3200	J			2.158	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.087	
000119-61-9	Benzophenone	350	J			10.616	
000057-10-3	n-Hexadecanoic acid	270	J			11.91	
000057-11-4	Octadecanoic acid	51.7	J			12.692	
000301-02-0	9-Octadecenamide, (Z)-	200	J			13.445	
959085-66-6	Heptadecyl heptafluorobutyrate	130	J			13.874	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MS	SDG No.:	BF100924
Lab Sample ID:	P4340-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139722.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		60.1	190	230	ug/Kg
110-86-1	Pyridine	1100		55.3	90	120	ug/Kg
100-52-7	Benzaldehyde	530		130	190	230	ug/Kg
62-53-3	Aniline	790		67.1	90	120	ug/Kg
108-95-2	Phenol	1200		57.4	90	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		57.9	90	120	ug/Kg
95-57-8	2-Chlorophenol	1200		57.8	90	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		58.5	90	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		59.5	90	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		59.9	90	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		57.4	190	230	ug/Kg
95-48-7	2-Methylphenol	1100		55.8	90	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		62.9	90	120	ug/Kg
98-86-2	Acetophenone	1100		60.1	90	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		55.2	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		27.9	55.4	55.4	ug/Kg
67-72-1	Hexachloroethane	1100		57.4	90	120	ug/Kg
98-95-3	Nitrobenzene	1000		62.8	90	120	ug/Kg
78-59-1	Isophorone	1100		58.5	90	120	ug/Kg
88-75-5	2-Nitrophenol	1200		65.4	90	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.5	90	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		59.4	90	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		52.2	90	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		59.1	90	120	ug/Kg
65-85-0	Benzoic acid	870		160	190	230	ug/Kg
91-20-3	Naphthalene	1100		57.2	90	120	ug/Kg
106-47-8	4-Chloroaniline	200		57.2	90	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		57.6	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MS	SDG No.:	BF100924
Lab Sample ID:	P4340-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139722.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		60.1	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		53.6	90	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		57.1	90	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		49.4	90	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		51.2	90	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		60.5	90	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		57.6	90	120	ug/Kg
88-74-4	2-Nitroaniline	1100		65.7	90	120	ug/Kg
131-11-3	Dimethylphthalate	1100		56.5	90	120	ug/Kg
208-96-8	Acenaphthylene	1200		59.9	90	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		57.6	90	120	ug/Kg
99-09-2	3-Nitroaniline	560		61.7	90	120	ug/Kg
83-32-9	Acenaphthene	1200		56.1	90	120	ug/Kg
Total PAH	Total PAH	18500		916.9	90	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1900	E	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	2100	E	80.3	190	230	ug/Kg
132-64-9	Dibenzofuran	1100		58.4	90	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		117.3	90	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		59.7	90	120	ug/Kg
84-66-2	Diethylphthalate	1100		55.4	90	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		59.2	90	120	ug/Kg
86-73-7	Fluorene	1100		59.2	90	120	ug/Kg
100-01-6	4-Nitroaniline	1100		74	90	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		81	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		56.5	90	120	ug/Kg
103-33-3	Azobenzene	1300		55.1	90	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		54.6	90	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		58.8	90	120	ug/Kg
1912-24-9	Atrazine	1400		63.2	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MS	SDG No.:	BF100924
Lab Sample ID:	P4340-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139722.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	E	53.5	190	230	ug/Kg
85-01-8	Phenanthrene	1100		58.1	90	120	ug/Kg
120-12-7	Anthracene	1200		58.4	90	120	ug/Kg
86-74-8	Carbazole	1100		55.6	90	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		58.3	90	120	ug/Kg
206-44-0	Fluoranthene	1100		56.5	90	120	ug/Kg
92-87-5	Benzidine	1400		110	190	230	ug/Kg
129-00-0	Pyrene	1200		57.4	90	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		67	90	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	710		68.2	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1200		55.8	90	120	ug/Kg
218-01-9	Chrysene	1100		55	90	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		63	90	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		76.1	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		56.1	90	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		57.2	90	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		64.4	90	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		54	90	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		56.2	90	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		55.4	90	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		60.1	90	120	ug/Kg
123-91-1	1,4-Dioxane	1100		76.1	90	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		51.7	90	120	ug/Kg
90-12-0	1-Methylnaphthalene	1000		57.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.984		18-112		73	SPK: -150
13127-88-3	Phenol-d6	108.987		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	72.887		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	71.785		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MS	SDG No.:	BF100924
Lab Sample ID:	P4340-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139722.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	104.776		10-116		70	SPK: -150
1718-51-0	Terphenyl-d14	75.977		10-105		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84991	6.869				
1146-65-2	Naphthalene-d8	327420	8.145				
15067-26-2	Acenaphthene-d10	180062	9.904				
1517-22-2	Phenanthrene-d10	333201	11.392				
1719-03-5	Chrysene-d12	167716	14.033				
1520-96-3	Perylene-d12	175394	15.498				

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MSD	SDG No.:	BF100924
Lab Sample ID:	P4340-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
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
BF139723.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		60	190	230	ug/Kg
110-86-1	Pyridine	1100		55.3	89.9	120	ug/Kg
100-52-7	Benzaldehyde	530		130	190	230	ug/Kg
62-53-3	Aniline	830		67	89.9	120	ug/Kg
108-95-2	Phenol	1200		57.3	89.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		57.9	89.9	120	ug/Kg
95-57-8	2-Chlorophenol	1200		57.8	89.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		58.5	89.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		59.5	89.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		59.8	89.9	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		57.4	190	230	ug/Kg
95-48-7	2-Methylphenol	1200		55.8	89.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		62.9	89.9	120	ug/Kg
98-86-2	Acetophenone	1100		60.1	89.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		55.2	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		27.9	55.3	55.3	ug/Kg
67-72-1	Hexachloroethane	1100		57.4	89.9	120	ug/Kg
98-95-3	Nitrobenzene	1100		62.8	89.9	120	ug/Kg
78-59-1	Isophorone	1100		58.5	89.9	120	ug/Kg
88-75-5	2-Nitrophenol	1200		65.4	89.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.5	89.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		59.4	89.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		52.2	89.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		59.1	89.9	120	ug/Kg
65-85-0	Benzoic acid	900		160	190	230	ug/Kg
91-20-3	Naphthalene	1100		57.1	89.9	120	ug/Kg
106-47-8	4-Chloroaniline	230		57.1	89.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		57.6	89.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MSD	SDG No.:	BF100924
Lab Sample ID:	P4340-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
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
BF139723.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1200		60	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		53.6	89.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		57.1	89.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3800	E	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		49.4	89.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		51.2	89.9	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		60.5	89.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		57.6	89.9	120	ug/Kg
88-74-4	2-Nitroaniline	1200		65.7	89.9	120	ug/Kg
131-11-3	Dimethylphthalate	1200		56.5	89.9	120	ug/Kg
208-96-8	Acenaphthylene	1200		59.8	89.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		57.6	89.9	120	ug/Kg
99-09-2	3-Nitroaniline	570		61.7	89.9	120	ug/Kg
83-32-9	Acenaphthene	1200		56.1	89.9	120	ug/Kg
Total PAH	Total PAH	19200		916.4	89.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	2200	E	80.2	190	230	ug/Kg
132-64-9	Dibenzofuran	1200		58.4	89.9	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		59.6	89.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		117.2	89.9	240	ug/Kg
84-66-2	Diethylphthalate	1100		55.4	89.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		59.2	89.9	120	ug/Kg
86-73-7	Fluorene	1200		59.1	89.9	120	ug/Kg
100-01-6	4-Nitroaniline	1100		74	89.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		80.9	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		56.4	89.9	120	ug/Kg
103-33-3	Azobenzene	1400		55.1	89.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		54.6	89.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		58.8	89.9	120	ug/Kg
1912-24-9	Atrazine	1400		63.2	89.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MSD	SDG No.:	BF100924
Lab Sample ID:	P4340-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
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
BF139723.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000	E	53.5	190	230	ug/Kg
85-01-8	Phenanthrene	1200		58.1	89.9	120	ug/Kg
120-12-7	Anthracene	1200		58.4	89.9	120	ug/Kg
86-74-8	Carbazole	1200		55.5	89.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		58.3	89.9	120	ug/Kg
206-44-0	Fluoranthene	1100		56.5	89.9	120	ug/Kg
92-87-5	Benzidine	1600		110	190	230	ug/Kg
129-00-0	Pyrene	1200		57.4	89.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		67	89.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	760		68.2	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1200		55.8	89.9	120	ug/Kg
218-01-9	Chrysene	1200		55	89.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		62.9	89.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		76.1	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		56.1	89.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		57.1	89.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		64.3	89.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		54	89.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		56.2	89.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		55.4	89.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		60	89.9	120	ug/Kg
123-91-1	1,4-Dioxane	1100		76.1	89.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		51.7	89.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	1100		57.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	112.935		18-112		75	SPK: -150
13127-88-3	Phenol-d6	110.743		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	75.092		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	76.041		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-3MSD	SDG No.:	BF100924
Lab Sample ID:	P4340-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139723.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.837		10-116		73	SPK: -150
1718-51-0	Terphenyl-d14	77.572		10-105		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83117	6.863				
1146-65-2	Naphthalene-d8	313856	8.145				
15067-26-2	Acenaphthene-d10	169819	9.904				
1517-22-2	Phenanthrene-d10	306170	11.392				
1719-03-5	Chrysene-d12	155284	14.033				
1520-96-3	Perylene-d12	171359	15.498				

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	EO-03-100724	SDG No.:	BF100924
Lab Sample ID:	P4343-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139724.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.3	U	57.3	180	220	ug/Kg
110-86-1	Pyridine	52.8	U	52.8	85.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	64	U	64	85.9	110	ug/Kg
108-95-2	Phenol	54.8	U	54.8	85.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.3	U	55.3	85.9	110	ug/Kg
95-57-8	2-Chlorophenol	55.2	U	55.2	85.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.9	U	55.9	85.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.8	U	56.8	85.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.1	U	57.1	85.9	110	ug/Kg
100-51-6	Benzyl Alcohol	54.8	U	54.8	180	220	ug/Kg
95-48-7	2-Methylphenol	53.2	U	53.2	85.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60	U	60	85.9	110	ug/Kg
98-86-2	Acetophenone	57.4	U	57.4	85.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.7	U	52.7	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.6	U	26.6	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	54.8	U	54.8	85.9	110	ug/Kg
98-95-3	Nitrobenzene	60	U	60	85.9	110	ug/Kg
78-59-1	Isophorone	55.9	U	55.9	85.9	110	ug/Kg
88-75-5	2-Nitrophenol	62.4	U	62.4	85.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.6	U	61.6	85.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.7	U	56.7	85.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.9	U	49.9	85.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.4	U	56.4	85.9	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.6	U	54.6	85.9	110	ug/Kg
106-47-8	4-Chloroaniline	54.6	U	54.6	85.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	55	U	55	85.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	EO-03-100724	SDG No.:	BF100924
Lab Sample ID:	P4343-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139724.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.3	U	57.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.2	U	51.2	85.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.5	U	54.5	85.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.2	U	47.2	85.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.9	U	48.9	85.9	110	ug/Kg
92-52-4	1,1-Biphenyl	57.7	U	57.7	85.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	55	U	55	85.9	110	ug/Kg
88-74-4	2-Nitroaniline	62.8	U	62.8	85.9	110	ug/Kg
131-11-3	Dimethylphthalate	54	U	54	85.9	110	ug/Kg
208-96-8	Acenaphthylene	57.1	U	57.1	85.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	55	U	55	85.9	110	ug/Kg
99-09-2	3-Nitroaniline	58.9	U	58.9	85.9	110	ug/Kg
83-32-9	Acenaphthene	53.6	U	53.6	85.9	110	ug/Kg
Total PAH	Total PAH	875.3	U	875.3	85.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.6	U	76.6	180	220	ug/Kg
132-64-9	Dibenzofuran	55.7	U	55.7	85.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.9	U	56.9	85.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	111.9	U	111.9	85.9	220	ug/Kg
84-66-2	Diethylphthalate	52.9	U	52.9	85.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.5	U	56.5	85.9	110	ug/Kg
86-73-7	Fluorene	56.5	U	56.5	85.9	110	ug/Kg
100-01-6	4-Nitroaniline	70.7	U	70.7	85.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77.3	U	77.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.9	U	53.9	85.9	110	ug/Kg
103-33-3	Azobenzene	52.6	U	52.6	85.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.1	U	52.1	85.9	110	ug/Kg
118-74-1	Hexachlorobenzene	56.1	U	56.1	85.9	110	ug/Kg
1912-24-9	Atrazine	60.4	U	60.4	85.9	110	ug/Kg



Client:			Date Collected:	10/7/2024 12:00:00 AM	
Project:			Date Received:	10/7/2024 12:00:00 AM	
Client Sample ID:	EO-03-100724		SDG No.:	BF100924	
Lab Sample ID:	P4343-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	9.2	
Sample Wt/Vol:	50.02	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139724.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51.1	U	51.1	180	220	ug/Kg
85-01-8	Phenanthrene	55.5	U	55.5	85.9	110	ug/Kg
120-12-7	Anthracene	55.7	U	55.7	85.9	110	ug/Kg
86-74-8	Carbazole	53	U	53	85.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.7	U	55.7	85.9	110	ug/Kg
206-44-0	Fluoranthene	82.1	J	54	85.9	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	64.8	J	54.8	85.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.9	U	63.9	85.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.1	U	65.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	53.3	U	53.3	85.9	110	ug/Kg
218-01-9	Chrysene	52.5	U	52.5	85.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	60.1	U	60.1	85.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.7	U	72.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	63	J	53.6	85.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	54.6	U	54.6	85.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.4	U	61.4	85.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.6	U	51.6	85.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53.6	U	53.6	85.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	52.9	U	52.9	85.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.3	U	57.3	85.9	110	ug/Kg
123-91-1	1,4-Dioxane	72.7	U	72.7	85.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.3	U	49.3	85.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	55	U	55	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	28.598		18-112		19	SPK: -150
13127-88-3	Phenol-d6	27.324		15-107		18	SPK: -150
4165-60-0	Nitrobenzene-d5	18.464		18-107		18	SPK: -100
321-60-8	2-Fluorobiphenyl	21.042		20-109		21	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	EO-03-100724	SDG No.:	BF100924
Lab Sample ID:	P4343-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139724.D	1	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	23.482		10-116		16	SPK: -150
1718-51-0	Terphenyl-d14	17.388		10-105		17	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83452	6.863				
1146-65-2	Naphthalene-d8	309461	8.145				
15067-26-2	Acenaphthene-d10	163569	9.898				
1517-22-2	Phenanthrene-d10	265584	11.386				
1719-03-5	Chrysene-d12	171547	14.027				
1520-96-3	Perylene-d12	193884	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000544-76-3	Hexadecane	81.5	J			10.322	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	54.8	J			10.545	
000119-61-9	Benzophenone	89	J			10.61	
000629-78-7	Heptadecane	140	J			10.798	
000593-45-3	Octadecane	98.9	J			11.245	
003891-98-3	Dodecane, 2,6,10-trimethyl-	52.8	J			11.275	
000629-92-5	Nonadecane	84.1	J			11.675	
000112-39-0	Hexadecanoic acid, methyl ester	340	J			11.775	
000057-10-3	n-Hexadecanoic acid	190	J			11.91	
000646-31-1	Tetracosane	71.1	J			12.08	
056554-62-2	10,13-Octadecadienoic acid, methyl	950	J			12.463	
000057-11-4	Octadecanoic acid	130	J			12.698	
007378-99-6	N,N-Dimethyloctylamine	150	J			14.927	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	TR-05-100724	SDG No.:	BF100924
Lab Sample ID:	P4344-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139725.D	2	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	410	ug/Kg
110-86-1	Pyridine	98.1	U	98.1	160	210	ug/Kg
100-52-7	Benzaldehyde	220	U	220	330	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	410	ug/Kg
95-48-7	2-Methylphenol	99	U	99	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	98	U	98	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.5	U	49.5	98.2	98.2	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	92.7	U	92.7	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	TR-05-100724	SDG No.:	BF100924
Lab Sample ID:	P4344-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139725.D	2	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.2	U	95.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.7	U	87.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	90.9	U	90.9	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	99.6	U	99.6	160	210	ug/Kg
Total PAH	Total PAH	3370	U	1609.9	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
84-66-2	Diethylphthalate	98.4	U	98.4	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	100	U	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	97.8	U	97.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	96.9	U	96.9	160	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	TR-05-100724	SDG No.:	BF100924
Lab Sample ID:	P4344-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139725.D	2	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	94.9	U	94.9	330	410	ug/Kg
85-01-8	Phenanthrene	200	J	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	98.6	U	98.6	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	520		100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	410	ug/Kg
129-00-0	Pyrene	450		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	390		99.1	160	210	ug/Kg
218-01-9	Chrysene	390		97.6	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	490		99.6	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	J	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	420		110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	95.9	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	99.7	U	99.7	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	J	98.4	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	91.7	U	91.7	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.184		18-112		54	SPK: -150
13127-88-3	Phenol-d6	80.524		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	56.5		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	62.48		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	TR-05-100724	SDG No.:	BF100924
Lab Sample ID:	P4344-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.4
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139725.D	2	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	66.964		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	49.358		10-105		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87429	6.863				
1146-65-2	Naphthalene-d8	320420	8.145				
15067-26-2	Acenaphthene-d10	166027	9.898				
1517-22-2	Phenanthrene-d10	257149	11.386				
1719-03-5	Chrysene-d12	174097	14.027				
1520-96-3	Perylene-d12	181743	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	84.3	A			5.069	
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	85.1	J			8.963	
000629-62-9	Pentadecane	100	J			9.828	
000544-76-3	Hexadecane	180	J			10.322	
000593-49-7	Heptacosane	110	J			10.545	
000119-61-9	Benzophenone	260	J			10.61	
000629-50-5	Tridecane	320	J			10.804	
000646-31-1	Tetracosane	180	J			11.245	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	99.9	J			11.275	
000629-92-5	Nonadecane	140	J			11.675	
000057-10-3	n-Hexadecanoic acid	300	J			11.91	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	130	J			11.998	
107770-99-0	3,5-Dimethyldodecane	130	J			12.081	
000629-78-7	Heptadecane	150	J			12.469	
000057-11-4	Octadecanoic acid	100	J			12.698	
002050-77-3	Decane, 1-iodo-	95.4	J			13.198	
000593-45-3	Octadecane	92.1	J			13.539	
000479-79-8	11H-Benzo[a]fluoren-11-one	200	J			13.874	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-7	SDG No.:	BF100924
Lab Sample ID:	P4340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139726.D	5	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	380	U	380	1200	1400	ug/Kg
110-86-1	Pyridine	350	U	350	560	740	ug/Kg
100-52-7	Benzaldehyde	790	U	790	1200	1400	ug/Kg
62-53-3	Aniline	420	U	420	560	740	ug/Kg
108-95-2	Phenol	360	U	360	560	740	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	360	U	360	560	740	ug/Kg
95-57-8	2-Chlorophenol	360	U	360	560	740	ug/Kg
95-50-1	1,2-Dichlorobenzene	370	U	370	560	740	ug/Kg
541-73-1	1,3-Dichlorobenzene	370	U	370	560	740	ug/Kg
106-46-7	1,4-Dichlorobenzene	380	U	380	560	740	ug/Kg
100-51-6	Benzyl Alcohol	360	U	360	1200	1400	ug/Kg
95-48-7	2-Methylphenol	350	U	350	560	740	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	390	U	390	560	740	ug/Kg
98-86-2	Acetophenone	380	U	380	560	740	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	350	1200	1400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	180	350	350	ug/Kg
67-72-1	Hexachloroethane	360	U	360	560	740	ug/Kg
98-95-3	Nitrobenzene	390	U	390	560	740	ug/Kg
78-59-1	Isophorone	370	U	370	560	740	ug/Kg
88-75-5	2-Nitrophenol	410	U	410	560	740	ug/Kg
105-67-9	2,4-Dimethylphenol	400	U	400	560	740	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	370	U	370	560	740	ug/Kg
120-83-2	2,4-Dichlorophenol	330	U	330	560	740	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	370	U	370	560	740	ug/Kg
65-85-0	Benzoic acid	1000	U	1000	1200	1400	ug/Kg
91-20-3	Naphthalene	860		360	560	740	ug/Kg
106-47-8	4-Chloroaniline	360	U	360	560	740	ug/Kg
87-68-3	Hexachlorobutadiene	360	U	360	560	740	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-7	SDG No.:	BF100924
Lab Sample ID:	P4340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139726.D	5	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	380	U	380	1200	1400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	340	U	340	560	740	ug/Kg
91-57-6	2-Methylnaphthalene	360	U	360	560	740	ug/Kg
77-47-4	Hexachlorocyclopentadiene	680	U	680	1200	1400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	310	U	310	560	740	ug/Kg
95-95-4	2,4,5-Trichlorophenol	320	U	320	560	740	ug/Kg
92-52-4	1,1-Biphenyl	380	U	380	560	740	ug/Kg
91-58-7	2-Chloronaphthalene	360	U	360	560	740	ug/Kg
88-74-4	2-Nitroaniline	410	U	410	560	740	ug/Kg
131-11-3	Dimethylphthalate	350	U	350	560	740	ug/Kg
208-96-8	Acenaphthylene	380	U	380	560	740	ug/Kg
606-20-2	2,6-Dinitrotoluene	360	U	360	560	740	ug/Kg
99-09-2	3-Nitroaniline	390	U	390	560	740	ug/Kg
83-32-9	Acenaphthene	910		350	560	740	ug/Kg
Total PAH	Total PAH	50750		5750	560	11840	ug/Kg
51-28-5	2,4-Dinitrophenol	1100	U	1100	1200	1400	ug/Kg
100-02-7	4-Nitrophenol	500	U	500	1200	1400	ug/Kg
132-64-9	Dibenzofuran	530	J	370	560	740	ug/Kg
121-14-2	2,4-Dinitrotoluene	370	U	370	560	740	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	730	U	730	560	1480	ug/Kg
84-66-2	Diethylphthalate	350	U	350	560	740	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	370	U	370	560	740	ug/Kg
86-73-7	Fluorene	1100		370	560	740	ug/Kg
100-01-6	4-Nitroaniline	460	U	460	560	740	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	510	1200	1400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	350	U	350	560	740	ug/Kg
103-33-3	Azobenzene	350	U	350	560	740	ug/Kg
101-55-3	4-Bromophenyl-phenylether	340	U	340	560	740	ug/Kg
118-74-1	Hexachlorobenzene	370	U	370	560	740	ug/Kg
1912-24-9	Atrazine	400	U	400	560	740	ug/Kg

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-7	SDG No.:	BF100924
Lab Sample ID:	P4340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139726.D	5	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	340	U	340	1200	1400	ug/Kg
85-01-8	Phenanthrene	9000		360	560	740	ug/Kg
120-12-7	Anthracene	2700		370	560	740	ug/Kg
86-74-8	Carbazole	600	J	350	560	740	ug/Kg
84-74-2	Di-n-butylphthalate	370	U	370	560	740	ug/Kg
206-44-0	Fluoranthene	8100		350	560	740	ug/Kg
92-87-5	Benzidine	710	U	710	1200	1400	ug/Kg
129-00-0	Pyrene	7500		360	560	740	ug/Kg
85-68-7	Butylbenzylphthalate	420	U	420	560	740	ug/Kg
91-94-1	3,3-Dichlorobenzidine	430	U	430	1200	1400	ug/Kg
56-55-3	Benzo(a)anthracene	4600		350	560	740	ug/Kg
218-01-9	Chrysene	4000		350	560	740	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	400	U	400	560	740	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	480	1200	1400	ug/Kg
205-99-2	Benzo(b)fluoranthene	3800		350	560	740	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		360	560	740	ug/Kg
50-32-8	Benzo(a)pyrene	3800		400	560	740	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		340	560	740	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	J	350	560	740	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		350	560	740	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	380	560	740	ug/Kg
123-91-1	1,4-Dioxane	480	U	480	560	740	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	320	560	740	ug/Kg
90-12-0	1-Methylnaphthalene	360	U	360	740	740	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	8.28	*	18-112		6	SPK: -150
13127-88-3	Phenol-d6	43.73		15-107		29	SPK: -150
4165-60-0	Nitrobenzene-d5	61.645		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	52.87		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-7	SDG No.:	BF100924
Lab Sample ID:	P4340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139726.D	5	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	2.62	*	10-116		2	SPK: -150
1718-51-0	Terphenyl-d14	40.285		10-105		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79597	6.863				
1146-65-2	Naphthalene-d8	296965	8.145				
15067-26-2	Acenaphthene-d10	159333	9.898				
1517-22-2	Phenanthrene-d10	249802	11.386				
1719-03-5	Chrysene-d12	151840	14.033				
1520-96-3	Perylene-d12	171564	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3100	A			5.069	
000119-61-9	Benzophenone	610	J			10.61	
007320-53-8	Dibenzofuran, 4-methyl-	500	J			10.686	
001430-97-3	9H-Fluorene, 2-methyl-	550	J			10.992	
042224-48-6	2-[2-Phenylethenyl]phenol	360	J			11.239	
000132-65-0	Dibenzothiophene	500	J			11.286	
002531-84-2	Phenanthrene, 2-methyl-	1400	J			11.892	
000613-12-7	Anthracene, 2-methyl-	1500	J			11.916	
000610-48-0	Anthracene, 1-methyl-	750	J			11.963	
000203-64-5	4H-Cyclopenta[def]phenanthrene	2900	J			12.004	
000612-94-2	Naphthalene, 2-phenyl-	630	J			12.186	
052251-71-5	Anthracene, 2-ethyl-	430	J			12.333	
003674-66-6	Phenanthrene, 2,5-dimethyl-	700	J			12.439	
1000318-25-0	1-(4,5-Dimethyl-6H-thiopyran-2-yl)	600	J			12.475	
000781-43-1	9,10-Dimethylantracene	450	J			12.527	
002381-21-7	Pyrene, 1-methyl-	480	J			13.045	
033543-31-6	Fluoranthene, 2-methyl-	740	J			13.157	
000238-84-6	11H-Benzo[a]fluorene	450	J			13.227	
000192-97-2	Benzo[e]pyrene	550	J			15.18	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	1B-7	SDG No.:	BF100924
Lab Sample ID:	P4340-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31
Sample Wt/Vol:	50.05	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
BF139726.D	5	10/8/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000198-55-0	Perylene	2200	J			15.38	

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100924
Lab Sample ID:	P4321-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
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
BF139727.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	88.6	U	88.6	280	340	ug/Kg
110-86-1	Pyridine	81.5	U	81.5	130	170	ug/Kg
100-52-7	Benzaldehyde	190	U	190	280	340	ug/Kg
62-53-3	Aniline	98.9	U	98.9	130	170	ug/Kg
108-95-2	Phenol	84.6	U	84.6	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.4	U	85.4	130	170	ug/Kg
95-57-8	2-Chlorophenol	85.2	U	85.2	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	86.3	U	86.3	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	87.8	U	87.8	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	88.3	U	88.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	84.7	U	84.7	280	340	ug/Kg
95-48-7	2-Methylphenol	82.3	U	82.3	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.8	U	92.8	130	170	ug/Kg
98-86-2	Acetophenone	88.7	U	88.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.4	U	81.4	280	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.1	U	41.1	81.6	81.6	ug/Kg
67-72-1	Hexachloroethane	84.7	U	84.7	130	170	ug/Kg
98-95-3	Nitrobenzene	92.7	U	92.7	130	170	ug/Kg
78-59-1	Isophorone	86.3	U	86.3	130	170	ug/Kg
88-75-5	2-Nitrophenol	96.4	U	96.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.1	U	95.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.6	U	87.6	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77	U	77	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	87.2	U	87.2	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	280	340	ug/Kg
91-20-3	Naphthalene	84.3	U	84.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	84.3	U	84.3	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	85	U	85	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100924
Lab Sample ID:	P4321-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
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
BF139727.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	88.6	U	88.6	280	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.1	U	79.1	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.2	U	84.2	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	280	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.9	U	72.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.5	U	75.5	130	170	ug/Kg
92-52-4	1,1-Biphenyl	89.2	U	89.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	85	U	85	130	170	ug/Kg
88-74-4	2-Nitroaniline	96.9	U	96.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	83.4	U	83.4	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.9	U	84.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	91	U	91	130	170	ug/Kg
83-32-9	Acenaphthene	82.8	U	82.8	130	170	ug/Kg
Total PAH	Total PAH	3070	U	1352.4	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	280	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	340	ug/Kg
132-64-9	Dibenzofuran	86.1	U	86.1	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88	U	88	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	72.9	U	172.9	130	340	ug/Kg
84-66-2	Diethylphthalate	81.7	U	81.7	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.4	U	87.4	130	170	ug/Kg
86-73-7	Fluorene	87.3	U	87.3	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	280	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.3	U	83.3	130	170	ug/Kg
103-33-3	Azobenzene	81.2	U	81.2	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.5	U	80.5	130	170	ug/Kg
118-74-1	Hexachlorobenzene	86.7	U	86.7	130	170	ug/Kg
1912-24-9	Atrazine	93.3	U	93.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100924
Lab Sample ID:	P4321-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
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
BF139727.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	78.9	U	78.9	280	340	ug/Kg
85-01-8	Phenanthrene	340		85.7	130	170	ug/Kg
120-12-7	Anthracene	86.1	U	86.1	130	170	ug/Kg
86-74-8	Carbazole	81.9	U	81.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	86	U	86	130	170	ug/Kg
206-44-0	Fluoranthene	540		83.4	130	170	ug/Kg
92-87-5	Benzidine	170	U	170	280	340	ug/Kg
129-00-0	Pyrene	430		84.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.8	U	98.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	280	340	ug/Kg
56-55-3	Benzo(a)anthracene	340		82.4	130	170	ug/Kg
218-01-9	Chrysene	290		81.1	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.9	U	92.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	280	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	350		82.8	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	180		84.3	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	340		94.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	79.7	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.9	U	82.9	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	J	81.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.6	U	88.6	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	76.2	U	76.2	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	84.9	U	84.9	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.451		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.71		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	57.436		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	55.204		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100924
Lab Sample ID:	P4321-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
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
BF139727.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	68.661		10-116		46	SPK: -150
1718-51-0	Terphenyl-d14	38.868		10-105		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82060	6.863				
1146-65-2	Naphthalene-d8	300501	8.145				
15067-26-2	Acenaphthene-d10	153028	9.898				
1517-22-2	Phenanthrene-d10	239587	11.386				
1719-03-5	Chrysene-d12	168159	14.027				
1520-96-3	Perylene-d12	169190	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2800	J			2.134	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	A			5.075	
000103-65-1	Benzene, propyl-	120	J			6.322	
000108-67-8	Mesitylene	130	J			6.687	
000496-11-7	Indane	110	J			7.046	
000135-01-3	Benzene, 1,2-diethyl-	150	J			7.181	
000134-62-3	Diethyltoluamide	71.1	J			10.275	
000119-61-9	Benzophenone	420	J			10.616	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	88.8	J			10.81	
000057-10-3	n-Hexadecanoic acid	280	J			11.916	
000203-64-5	4H-Cyclopenta[def]phenanthrene	88.8	J			12.004	

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MS	SDG No.:	BF100924
Lab Sample ID:	P4321-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139728.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		88.7	280	340	ug/Kg
110-86-1	Pyridine	1600		81.6	130	170	ug/Kg
100-52-7	Benzaldehyde	850		190	280	340	ug/Kg
62-53-3	Aniline	1100		99	130	170	ug/Kg
108-95-2	Phenol	1700		84.7	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		85.5	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		85.3	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		86.4	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		87.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		88.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		84.8	280	340	ug/Kg
95-48-7	2-Methylphenol	1600		82.3	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		92.9	130	170	ug/Kg
98-86-2	Acetophenone	1700		88.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		81.5	280	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		41.2	81.7	81.7	ug/Kg
67-72-1	Hexachloroethane	1500		84.8	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		92.8	130	170	ug/Kg
78-59-1	Isophorone	1700		86.4	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		96.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		95.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		87.6	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		77.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		87.2	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	280	340	ug/Kg
91-20-3	Naphthalene	1600		84.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	350		84.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		85.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MS	SDG No.:	BF100924
Lab Sample ID:	P4321-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139728.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		88.7	280	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		79.2	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		84.3	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000		160	280	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		72.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		75.6	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		89.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		85.1	130	170	ug/Kg
88-74-4	2-Nitroaniline	1800		97	130	170	ug/Kg
131-11-3	Dimethylphthalate	1800		83.5	130	170	ug/Kg
208-96-8	Acenaphthylene	1800		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		85	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		91.1	130	170	ug/Kg
83-32-9	Acenaphthene	1600		82.8	130	170	ug/Kg
Total PAH	Total PAH	28200		1353.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	1000		250	280	340	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	280	340	ug/Kg
132-64-9	Dibenzofuran	1700		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		173.1	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		88.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		81.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		87.4	130	170	ug/Kg
86-73-7	Fluorene	1600		87.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	760		120	280	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		83.4	130	170	ug/Kg
103-33-3	Azobenzene	1900		81.3	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		80.6	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		86.8	130	170	ug/Kg
1912-24-9	Atrazine	2200		93.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MS	SDG No.:	BF100924
Lab Sample ID:	P4321-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139728.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3000	E	79	280	340	ug/Kg
85-01-8	Phenanthrene	2000		85.8	130	170	ug/Kg
120-12-7	Anthracene	1800		86.2	130	170	ug/Kg
86-74-8	Carbazole	1700		82	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		86.1	130	170	ug/Kg
206-44-0	Fluoranthene	2000		83.5	130	170	ug/Kg
92-87-5	Benzidine	1800		170	280	340	ug/Kg
129-00-0	Pyrene	1800		84.8	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		98.9	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		100	280	340	ug/Kg
56-55-3	Benzo(a)anthracene	2000		82.4	130	170	ug/Kg
218-01-9	Chrysene	2000		81.2	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		93	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		110	280	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		82.8	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		84.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	2100		95	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		79.8	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		82.9	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		81.8	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		88.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1600		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		76.3	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		85	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.174		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.88		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	58.343		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	54.733		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MS	SDG No.:	BF100924
Lab Sample ID:	P4321-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139728.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.722		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	40.475		10-105		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90373	6.869				
1146-65-2	Naphthalene-d8	332020	8.151				
15067-26-2	Acenaphthene-d10	171080	9.904				
1517-22-2	Phenanthrene-d10	266045	11.392				
1719-03-5	Chrysene-d12	174817	14.039				
1520-96-3	Perylene-d12	165297	15.509				

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MSD	SDG No.:	BF100924
Lab Sample ID:	P4321-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139729.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		88.6	280	340	ug/Kg
110-86-1	Pyridine	1800		81.6	130	170	ug/Kg
100-52-7	Benzaldehyde	930		190	280	340	ug/Kg
62-53-3	Aniline	1300		98.9	130	170	ug/Kg
108-95-2	Phenol	1800		84.6	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		85.5	130	170	ug/Kg
95-57-8	2-Chlorophenol	1900		85.2	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		86.4	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		87.8	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		88.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1800		84.7	280	340	ug/Kg
95-48-7	2-Methylphenol	1800		82.3	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		92.8	130	170	ug/Kg
98-86-2	Acetophenone	1800		88.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1800		81.5	280	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		41.1	81.7	81.7	ug/Kg
67-72-1	Hexachloroethane	1600		84.7	130	170	ug/Kg
98-95-3	Nitrobenzene	1800		92.7	130	170	ug/Kg
78-59-1	Isophorone	1800		86.4	130	170	ug/Kg
88-75-5	2-Nitrophenol	1900		96.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		95.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		87.6	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		77.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		87.2	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	280	340	ug/Kg
91-20-3	Naphthalene	1800		84.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	470		84.3	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1700		85	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MSD	SDG No.:	BF100924
Lab Sample ID:	P4321-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139729.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1800		88.6	280	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		79.1	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1700		84.2	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	600		160	280	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		72.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		75.5	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1900		89.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1800		85	130	170	ug/Kg
88-74-4	2-Nitroaniline	1900		97	130	170	ug/Kg
131-11-3	Dimethylphthalate	2000		83.4	130	170	ug/Kg
208-96-8	Acenaphthylene	1900		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		84.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1300		91.1	130	170	ug/Kg
83-32-9	Acenaphthene	1800		82.8	130	170	ug/Kg
Total PAH	Total PAH	31300		1352.8	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	850		250	280	340	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	280	340	ug/Kg
132-64-9	Dibenzofuran	1800		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3500		172.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		88	130	170	ug/Kg
84-66-2	Diethylphthalate	1800		81.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		87.4	130	170	ug/Kg
86-73-7	Fluorene	1700		87.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	690		120	280	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		83.3	130	170	ug/Kg
103-33-3	Azobenzene	2000		81.3	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		80.6	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1900		86.8	130	170	ug/Kg
1912-24-9	Atrazine	2400		93.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MSD	SDG No.:	BF100924
Lab Sample ID:	P4321-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139729.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3200	E	78.9	280	340	ug/Kg
85-01-8	Phenanthrene	2200		85.8	130	170	ug/Kg
120-12-7	Anthracene	2000		86.2	130	170	ug/Kg
86-74-8	Carbazole	1900		82	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	2000		86.1	130	170	ug/Kg
206-44-0	Fluoranthene	2300		83.4	130	170	ug/Kg
92-87-5	Benzidine	2300		170	280	340	ug/Kg
129-00-0	Pyrene	1900		84.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		98.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700		100	280	340	ug/Kg
56-55-3	Benzo(a)anthracene	2200		82.4	130	170	ug/Kg
218-01-9	Chrysene	2200		81.2	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		92.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		110	280	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		82.8	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		84.3	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	2300		94.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		79.7	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		82.9	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		81.8	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		88.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1800		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		76.3	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1700		84.9	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.689		18-112		61	SPK: -150
13127-88-3	Phenol-d6	90.855		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	63.921		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	61.385		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6MSD	SDG No.:	BF100924
Lab Sample ID:	P4321-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	41.3
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139729.D	1	10/7/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.007		10-116		51	SPK: -150
1718-51-0	Terphenyl-d14	42.951		10-105		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81712	6.869				
1146-65-2	Naphthalene-d8	300320	8.151				
15067-26-2	Acenaphthene-d10	150423	9.904				
1517-22-2	Phenanthrene-d10	227294	11.392				
1719-03-5	Chrysene-d12	158691	14.039				
1520-96-3	Perylene-d12	140761	15.51				



Client:				Date Collected:	10/8/2024 12:00:00 AM	
Project:				Date Received:	10/8/2024 12:00:00 AM	
Client Sample ID:	CONCRETE-1			SDG No.:	BF100924	
Lab Sample ID:	P4356-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139730.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

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	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	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	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	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	78	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg



Client:				Date Collected:	10/8/2024 12:00:00 AM	
Project:				Date Received:	10/8/2024 12:00:00 AM	
Client Sample ID:	CONCRETE-1			SDG No.:	BF100924	
Lab Sample ID:	P4356-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	50.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139730.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

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	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	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	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	78	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	78	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CONCRETE-1	SDG No.:	BF100924
Lab Sample ID:	P4356-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139730.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	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	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	78	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	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.688		18-112		46	SPK: -150
13127-88-3	Phenol-d6	83.382		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	64.091		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	71.745		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CONCRETE-1	SDG No.:	BF100924
Lab Sample ID:	P4356-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139730.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	41.167		10-116		27	SPK: -150
1718-51-0	Terphenyl-d14	54.478		10-105		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75811	6.869				
1146-65-2	Naphthalene-d8	275697	8.145				
15067-26-2	Acenaphthene-d10	137243	9.904				
1517-22-2	Phenanthrene-d10	211020	11.386				
1719-03-5	Chrysene-d12	158545	14.027				
1520-96-3	Perylene-d12	147315	15.504				



Client:				Date Collected:	10/8/2024 12:00:00 AM	
Project:				Date Received:	10/8/2024 12:00:00 AM	
Client Sample ID:	CONCRETE-2			SDG No.:	BF100924	
Lab Sample ID:	P4356-03			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	50.01	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139731.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.1	U	52.1	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.4	U	48.4	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	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	78	100	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.5	U	51.5	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.6	U	49.6	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.6	U	49.6	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CONCRETE-2	SDG No.:	BF100924
Lab Sample ID:	P4356-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139731.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52.1	U	52.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.6	U	93.6	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.7	U	48.7	78	100	ug/Kg
Total PAH	Total PAH	795.2	U	795.2	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
84-66-2	Diethylphthalate	48.1	U	48.1	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	49	U	49	78	100	ug/Kg
103-33-3	Azobenzene	47.8	U	47.8	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CONCRETE-2	SDG No.:	BF100924
Lab Sample ID:	P4356-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139731.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	100	ug/Kg
92-87-5	Benzidine	97.8	U	97.8	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58.1	U	58.1	78	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	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.7	U	48.7	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.6	U	49.6	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.9	U	46.9	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48.1	U	48.1	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52.1	U	52.1	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	44.777		18-112		30	SPK: -150
13127-88-3	Phenol-d6	64.503		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	54.467		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	62.489		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CONCRETE-2	SDG No.:	BF100924
Lab Sample ID:	P4356-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139731.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	25.502		10-116		17	SPK: -150
1718-51-0	Terphenyl-d14	46.037		10-105		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82324	6.869				
1146-65-2	Naphthalene-d8	294943	8.145				
15067-26-2	Acenaphthene-d10	143907	9.904				
1517-22-2	Phenanthrene-d10	224821	11.386				
1719-03-5	Chrysene-d12	171196	14.027				
1520-96-3	Perylene-d12	155479	15.504				

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BF100924
Lab Sample ID:	P4359-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139732.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.1	U	57.1	180	220	ug/Kg
110-86-1	Pyridine	52.6	U	52.6	85.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.8	U	63.8	85.6	110	ug/Kg
108-95-2	Phenol	54.6	U	54.6	85.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.1	U	55.1	85.6	110	ug/Kg
95-57-8	2-Chlorophenol	55	U	55	85.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.7	U	55.7	85.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.6	U	56.6	85.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.9	U	56.9	85.6	110	ug/Kg
100-51-6	Benzyl Alcohol	54.6	U	54.6	180	220	ug/Kg
95-48-7	2-Methylphenol	53	U	53	85.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.8	U	59.8	85.6	110	ug/Kg
98-86-2	Acetophenone	57.2	U	57.2	85.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.5	U	52.5	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.5	U	26.5	52.6	52.6	ug/Kg
67-72-1	Hexachloroethane	54.6	U	54.6	85.6	110	ug/Kg
98-95-3	Nitrobenzene	59.8	U	59.8	85.6	110	ug/Kg
78-59-1	Isophorone	55.7	U	55.7	85.6	110	ug/Kg
88-75-5	2-Nitrophenol	62.2	U	62.2	85.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.3	U	61.3	85.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.5	U	56.5	85.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.7	U	49.7	85.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.2	U	56.2	85.6	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.4	U	54.4	85.6	110	ug/Kg
106-47-8	4-Chloroaniline	54.4	U	54.4	85.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.8	U	54.8	85.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BF100924
Lab Sample ID:	P4359-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139732.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57.1	U	57.1	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51	U	51	85.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.3	U	54.3	85.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47	U	47	85.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.7	U	48.7	85.6	110	ug/Kg
92-52-4	1,1-Biphenyl	57.5	U	57.5	85.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.8	U	54.8	85.6	110	ug/Kg
88-74-4	2-Nitroaniline	62.5	U	62.5	85.6	110	ug/Kg
131-11-3	Dimethylphthalate	53.8	U	53.8	85.6	110	ug/Kg
208-96-8	Acenaphthylene	56.9	U	56.9	85.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.8	U	54.8	85.6	110	ug/Kg
99-09-2	3-Nitroaniline	58.7	U	58.7	85.6	110	ug/Kg
83-32-9	Acenaphthene	53.4	U	53.4	85.6	110	ug/Kg
Total PAH	Total PAH	872.1	U	872.1	85.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.3	U	76.3	180	220	ug/Kg
132-64-9	Dibenzofuran	55.5	U	55.5	85.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11.5	U	111.5	85.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.7	U	56.7	85.6	110	ug/Kg
84-66-2	Diethylphthalate	52.7	U	52.7	85.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.3	U	56.3	85.6	110	ug/Kg
86-73-7	Fluorene	56.3	U	56.3	85.6	110	ug/Kg
100-01-6	4-Nitroaniline	70.4	U	70.4	85.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77	U	77	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.7	U	53.7	85.6	110	ug/Kg
103-33-3	Azobenzene	52.4	U	52.4	85.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.9	U	51.9	85.6	110	ug/Kg
118-74-1	Hexachlorobenzene	55.9	U	55.9	85.6	110	ug/Kg
1912-24-9	Atrazine	60.1	U	60.1	85.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BF100924
Lab Sample ID:	P4359-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139732.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.9	U	50.9	180	220	ug/Kg
85-01-8	Phenanthrene	56.8	J	55.3	85.6	110	ug/Kg
120-12-7	Anthracene	55.5	U	55.5	85.6	110	ug/Kg
86-74-8	Carbazole	52.8	U	52.8	85.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.5	U	55.5	85.6	110	ug/Kg
206-44-0	Fluoranthene	140		53.8	85.6	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	110		54.6	85.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.7	U	63.7	85.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.9	U	64.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	53.1	85.6	110	ug/Kg
218-01-9	Chrysene	88.8	J	52.3	85.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.9	U	59.9	85.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.4	U	72.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	140		53.4	85.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	54.4	U	54.4	85.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	110		61.2	85.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.4	U	51.4	85.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53.4	U	53.4	85.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.5	J	52.7	85.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.1	U	57.1	85.6	110	ug/Kg
123-91-1	1,4-Dioxane	72.4	U	72.4	85.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.2	U	49.2	85.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.8	U	54.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127.571		18-112		85	SPK: -150
13127-88-3	Phenol-d6	125.845		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	86.697		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	92.979		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOIL	SDG No.:	BF100924
Lab Sample ID:	P4359-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139732.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.867		10-116		69	SPK: -150
1718-51-0	Terphenyl-d14	68.934		10-105		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88348	6.869				
1146-65-2	Naphthalene-d8	321088	8.145				
15067-26-2	Acenaphthene-d10	158717	9.904				
1517-22-2	Phenanthrene-d10	235947	11.386				
1719-03-5	Chrysene-d12	178507	14.033				
1520-96-3	Perylene-d12	153519	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2900	J			2.152	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.087	
006069-98-3	Cyclohexane, 1-methyl-4-(1-methyle	54.6	J			6.563	
001119-40-0	Pentanedioic acid, dimethyl ester	57	J			7.681	
000119-61-9	Benzophenone	380	J			10.616	
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	49.6	J			10.922	
000057-10-3	n-Hexadecanoic acid	300	J			11.916	
002221-95-6	(1S,4aS,4bS,7S,8aS,10aS)-7-Isoprop	59.7	J			12.027	
	unknown12.133	110	J			12.133	
	unknown12.245	370	J			12.245	
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	240	J			12.333	
	unknown12.463	61.6	J			12.463	
000057-11-4	Octadecanoic acid	79.6	J			12.698	
001599-67-3	1-Docosene	97.2	J			13.88	

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BF100924
Lab Sample ID:	P4359-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139733.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		57.1	180	220	ug/Kg
110-86-1	Pyridine	1000		52.5	85.5	110	ug/Kg
100-52-7	Benzaldehyde	490		120	180	220	ug/Kg
62-53-3	Aniline	570		63.7	85.5	110	ug/Kg
108-95-2	Phenol	1000		54.5	85.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		55	85.5	110	ug/Kg
95-57-8	2-Chlorophenol	1100		54.9	85.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		55.6	85.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		56.5	85.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	990		56.9	85.5	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		54.6	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		53	85.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		59.8	85.5	110	ug/Kg
98-86-2	Acetophenone	1000		57.1	85.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		52.5	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		26.5	52.6	52.6	ug/Kg
67-72-1	Hexachloroethane	860		54.6	85.5	110	ug/Kg
98-95-3	Nitrobenzene	990		59.7	85.5	110	ug/Kg
78-59-1	Isophorone	1000		55.6	85.5	110	ug/Kg
88-75-5	2-Nitrophenol	1000		62.1	85.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		61.3	85.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		56.4	85.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		49.6	85.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		56.1	85.5	110	ug/Kg
65-85-0	Benzoic acid	780		160	180	220	ug/Kg
91-20-3	Naphthalene	1000		54.3	85.5	110	ug/Kg
106-47-8	4-Chloroaniline	170		54.3	85.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	980		54.8	85.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BF100924
Lab Sample ID:	P4359-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.09 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
BF139733.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		57.1	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		51	85.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	990		54.2	85.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	540		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		46.9	85.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		48.7	85.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.5	85.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		54.8	85.5	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.5	85.5	110	ug/Kg
131-11-3	Dimethylphthalate	1100		53.7	85.5	110	ug/Kg
208-96-8	Acenaphthylene	1100		56.9	85.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		54.7	85.5	110	ug/Kg
99-09-2	3-Nitroaniline	630		58.6	85.5	110	ug/Kg
83-32-9	Acenaphthene	980		53.3	85.5	110	ug/Kg
Total PAH	Total PAH	16500		871.2	85.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	480		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1700		76.3	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		55.5	85.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	860		111.4	85.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	900		56.7	85.5	110	ug/Kg
84-66-2	Diethylphthalate	1000		52.7	85.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	960		56.3	85.5	110	ug/Kg
86-73-7	Fluorene	950		56.2	85.5	110	ug/Kg
100-01-6	4-Nitroaniline	760		70.3	85.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380		76.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		53.6	85.5	110	ug/Kg
103-33-3	Azobenzene	1200		52.3	85.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		51.9	85.5	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		55.9	85.5	110	ug/Kg
1912-24-9	Atrazine	1300		60.1	85.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BF100924
Lab Sample ID:	P4359-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139733.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800	E	50.8	180	220	ug/Kg
85-01-8	Phenanthrene	1100		55.2	85.5	110	ug/Kg
120-12-7	Anthracene	1100		55.5	85.5	110	ug/Kg
86-74-8	Carbazole	1000		52.8	85.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		55.4	85.5	110	ug/Kg
206-44-0	Fluoranthene	1100		53.7	85.5	110	ug/Kg
92-87-5	Benzidine	2000	E	110	180	220	ug/Kg
129-00-0	Pyrene	920		54.6	85.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	990		63.6	85.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		64.8	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		53.1	85.5	110	ug/Kg
218-01-9	Chrysene	1100		52.3	85.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		59.8	85.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		72.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		53.3	85.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		54.3	85.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		61.1	85.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	850		51.3	85.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	850		53.4	85.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	750		52.7	85.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		57.1	85.5	110	ug/Kg
123-91-1	1,4-Dioxane	980		72.3	85.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		49.1	85.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	940		54.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114.897		18-112		77	SPK: -150
13127-88-3	Phenol-d6	112.903		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	78.29		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	82.129		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMS	SDG No.:	BF100924
Lab Sample ID:	P4359-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.09 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
BF139733.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	91.825		10-116		61	SPK: -150
1718-51-0	Terphenyl-d14	62.509		10-105		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84821	6.869				
1146-65-2	Naphthalene-d8	310158	8.151				
15067-26-2	Acenaphthene-d10	157085	9.904				
1517-22-2	Phenanthrene-d10	237797	11.392				
1719-03-5	Chrysene-d12	173226	14.033				
1520-96-3	Perylene-d12	149626	15.509				

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMSD	SDG No.:	BF100924
Lab Sample ID:	P4359-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
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
BF139734.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		57.1	180	220	ug/Kg
110-86-1	Pyridine	1000		52.5	85.5	110	ug/Kg
100-52-7	Benzaldehyde	490		120	180	220	ug/Kg
62-53-3	Aniline	590		63.7	85.5	110	ug/Kg
108-95-2	Phenol	1100		54.5	85.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990		55	85.5	110	ug/Kg
95-57-8	2-Chlorophenol	1100		54.9	85.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		55.6	85.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		56.6	85.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		56.9	85.5	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		54.6	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		53	85.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		59.8	85.5	110	ug/Kg
98-86-2	Acetophenone	1000		57.2	85.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		52.5	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		26.5	52.6	52.6	ug/Kg
67-72-1	Hexachloroethane	870		54.6	85.5	110	ug/Kg
98-95-3	Nitrobenzene	1000		59.7	85.5	110	ug/Kg
78-59-1	Isophorone	1000		55.6	85.5	110	ug/Kg
88-75-5	2-Nitrophenol	1100		62.2	85.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		61.3	85.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		56.4	85.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		49.7	85.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		56.2	85.5	110	ug/Kg
65-85-0	Benzoic acid	800		160	180	220	ug/Kg
91-20-3	Naphthalene	1000		54.3	85.5	110	ug/Kg
106-47-8	4-Chloroaniline	190		54.3	85.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	970		54.8	85.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMSD	SDG No.:	BF100924
Lab Sample ID:	P4359-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
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
BF139734.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		57.1	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	990		51	85.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		54.3	85.5	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	550		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		47	85.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		48.7	85.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.5	85.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		54.8	85.5	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.5	85.5	110	ug/Kg
131-11-3	Dimethylphthalate	1100		53.7	85.5	110	ug/Kg
208-96-8	Acenaphthylene	1100		56.9	85.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		54.7	85.5	110	ug/Kg
99-09-2	3-Nitroaniline	650		58.7	85.5	110	ug/Kg
83-32-9	Acenaphthene	1000		53.3	85.5	110	ug/Kg
Total PAH	Total PAH	16860		871.4	85.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	510		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1800	E	76.3	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		55.5	85.5	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	950		56.7	85.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		111.4	85.5	220	ug/Kg
84-66-2	Diethylphthalate	1100		52.7	85.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		56.3	85.5	110	ug/Kg
86-73-7	Fluorene	990		56.2	85.5	110	ug/Kg
100-01-6	4-Nitroaniline	780		70.4	85.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390		77	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		53.7	85.5	110	ug/Kg
103-33-3	Azobenzene	1200		52.4	85.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		51.9	85.5	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		55.9	85.5	110	ug/Kg
1912-24-9	Atrazine	1400		60.1	85.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMSD	SDG No.:	BF100924
Lab Sample ID:	P4359-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139734.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800	E	50.8	180	220	ug/Kg
85-01-8	Phenanthrene	1100		55.2	85.5	110	ug/Kg
120-12-7	Anthracene	1100		55.5	85.5	110	ug/Kg
86-74-8	Carbazole	1100		52.8	85.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.4	85.5	110	ug/Kg
206-44-0	Fluoranthene	1100		53.7	85.5	110	ug/Kg
92-87-5	Benzidine	2200	E	110	180	220	ug/Kg
129-00-0	Pyrene	950		54.6	85.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		63.7	85.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		64.8	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		53.1	85.5	110	ug/Kg
218-01-9	Chrysene	1200		52.3	85.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		59.9	85.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		72.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		53.3	85.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		54.3	85.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		61.2	85.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	880		51.4	85.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	850		53.4	85.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	790		52.7	85.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		57.1	85.5	110	ug/Kg
123-91-1	1,4-Dioxane	970		72.3	85.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		49.1	85.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	950		54.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.32		18-112		78	SPK: -150
13127-88-3	Phenol-d6	115.55		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	77.904		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	82.542		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	EXCAVATION-SOILMSD	SDG No.:	BF100924
Lab Sample ID:	P4359-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139734.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.549		10-116		64	SPK: -150
1718-51-0	Terphenyl-d14	65.867		10-105		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84080	6.869				
1146-65-2	Naphthalene-d8	311222	8.151				
15067-26-2	Acenaphthene-d10	157297	9.904				
1517-22-2	Phenanthrene-d10	238294	11.392				
1719-03-5	Chrysene-d12	168675	14.039				
1520-96-3	Perylene-d12	143520	15.51				

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CF-400-COMP-43	SDG No.:	BF100924
Lab Sample ID:	P4353-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139735.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.9	U	55.9	170	210	ug/Kg
110-86-1	Pyridine	51.4	U	51.4	83.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.4	U	62.4	83.7	110	ug/Kg
108-95-2	Phenol	53.4	U	53.4	83.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.9	U	53.9	83.7	110	ug/Kg
95-57-8	2-Chlorophenol	53.7	U	53.7	83.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.5	U	54.5	83.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.4	U	55.4	83.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.7	U	55.7	83.7	110	ug/Kg
100-51-6	Benzyl Alcohol	53.4	U	53.4	170	210	ug/Kg
95-48-7	2-Methylphenol	51.9	U	51.9	83.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.5	U	58.5	83.7	110	ug/Kg
98-86-2	Acetophenone	55.9	U	55.9	83.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.4	U	51.4	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.9	U	25.9	51.5	51.5	ug/Kg
67-72-1	Hexachloroethane	53.4	U	53.4	83.7	110	ug/Kg
98-95-3	Nitrobenzene	58.4	U	58.4	83.7	110	ug/Kg
78-59-1	Isophorone	54.5	U	54.5	83.7	110	ug/Kg
88-75-5	2-Nitrophenol	60.8	U	60.8	83.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60	U	60	83.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.2	U	55.2	83.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.6	U	48.6	83.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55	U	55	83.7	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53.2	U	53.2	83.7	110	ug/Kg
106-47-8	4-Chloroaniline	53.2	U	53.2	83.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.6	U	53.6	83.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CF-400-COMP-43	SDG No.:	BF100924
Lab Sample ID:	P4353-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139735.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.9	U	55.9	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.9	U	49.9	83.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.1	U	53.1	83.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46	U	46	83.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.6	U	47.6	83.7	110	ug/Kg
92-52-4	1,1-Biphenyl	56.3	U	56.3	83.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.6	U	53.6	83.7	110	ug/Kg
88-74-4	2-Nitroaniline	61.2	U	61.2	83.7	110	ug/Kg
131-11-3	Dimethylphthalate	52.6	U	52.6	83.7	110	ug/Kg
208-96-8	Acenaphthylene	78.5	J	55.7	83.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.6	U	53.6	83.7	110	ug/Kg
99-09-2	3-Nitroaniline	57.4	U	57.4	83.7	110	ug/Kg
83-32-9	Acenaphthene	52.2	U	52.2	83.7	110	ug/Kg
Total PAH	Total PAH	928.5	U	853.1	83.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.7	U	74.7	170	210	ug/Kg
132-64-9	Dibenzofuran	54.3	U	54.3	83.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.5	U	55.5	83.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.1	U	109.1	83.7	220	ug/Kg
84-66-2	Diethylphthalate	51.6	U	51.6	83.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.1	U	55.1	83.7	110	ug/Kg
86-73-7	Fluorene	55	U	55	83.7	110	ug/Kg
100-01-6	4-Nitroaniline	68.9	U	68.9	83.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.3	U	75.3	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.5	U	52.5	83.7	110	ug/Kg
103-33-3	Azobenzene	51.2	U	51.2	83.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.8	U	50.8	83.7	110	ug/Kg
118-74-1	Hexachlorobenzene	54.7	U	54.7	83.7	110	ug/Kg
1912-24-9	Atrazine	58.8	U	58.8	83.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CF-400-COMP-43	SDG No.:	BF100924
Lab Sample ID:	P4353-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139735.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.8	U	49.8	170	210	ug/Kg
85-01-8	Phenanthrene	54.1	U	54.1	83.7	110	ug/Kg
120-12-7	Anthracene	54.3	U	54.3	83.7	110	ug/Kg
86-74-8	Carbazole	51.7	U	51.7	83.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.3	U	54.3	83.7	110	ug/Kg
206-44-0	Fluoranthene	120		52.6	83.7	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	150		53.4	83.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.3	U	62.3	83.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.5	U	63.5	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	130		51.9	83.7	110	ug/Kg
218-01-9	Chrysene	130		51.2	83.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.6	U	58.6	83.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.8	U	70.8	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	130		52.2	83.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	53.2	U	53.2	83.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	120		59.9	83.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.3	U	50.3	83.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.3	U	52.3	83.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	70	J	51.6	83.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.9	U	55.9	83.7	110	ug/Kg
123-91-1	1,4-Dioxane	70.8	U	70.8	83.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.1	U	48.1	83.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.6	U	53.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.533		18-112		66	SPK: -150
13127-88-3	Phenol-d6	95.629		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	66.321		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	73.763		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	CF-400-COMP-43	SDG No.:	BF100924
Lab Sample ID:	P4353-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139735.D	1	10/9/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.284		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	54.143		10-105		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79017	6.869				
1146-65-2	Naphthalene-d8	284103	8.145				
15067-26-2	Acenaphthene-d10	137021	9.904				
1517-22-2	Phenanthrene-d10	218696	11.386				
1719-03-5	Chrysene-d12	171810	14.033				
1520-96-3	Perylene-d12	128240	15.51				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2400	J			2.146	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.081	
000119-61-9	Benzophenone	140	J			10.616	
000057-10-3	n-Hexadecanoic acid	320	J			11.916	
000832-64-4	Phenanthrene, 4-methyl-	100	J			12.004	
003674-66-6	Phenanthrene, 2,5-dimethyl-	78.5	J			12.439	
	unknown	12.475	J			12.475	
116196-83-9	4,4-Bis(tetrahydrothiopyran)	74.2	J			12.698	
000243-17-4	11H-Benzo[b]fluorene	53.4	J			13.051	
002381-21-7	Pyrene, 1-methyl-	72.1	J			13.145	
074685-30-6	5-Eicosene, (E)-	93.1	J			13.88	
000301-02-0	9-Octadecenamide, (Z)-	280	J			14.786	

Hit Summary Sheet SW-846

SDG No.: BF100924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : IB-6								
P4321-01	IB-6	Solid	2-Pentanone, 4-hydroxy-4-methyl *	180.000	A			
P4321-01	IB-6	Solid	4H-Cyclopenta[def]phenanthrene *	88.800	J			
P4321-01	IB-6	Solid	Benzene, 1,2-diethyl- *	150.000	J			
P4321-01	IB-6	Solid	Benzene, propyl- *	120.000	J			
P4321-01	IB-6	Solid	Benzophenone *	420.000	J			
P4321-01	IB-6	Solid	Butane, 2-methoxy-2-methyl- *	2,800.000	J			
P4321-01	IB-6	Solid	Diethyltoluamide *	71.100	J			
P4321-01	IB-6	Solid	Hexadecane, 2,6,10,14-tetramethy *	88.800	J			
P4321-01	IB-6	Solid	Indane *	110.000	J			
P4321-01	IB-6	Solid	Mesitylene *	130.000	J			
P4321-01	IB-6	Solid	n-Hexadecanoic acid *	280.000	J			
			Total Tics :	4,438.70				
P4321-01	IB-6	Solid	Benzo(a)anthracene	340.000		82.4	170	ug/Kg
P4321-01	IB-6	Solid	Benzo(a)pyrene	340.000		94.9	170	ug/Kg
P4321-01	IB-6	Solid	Benzo(b)fluoranthene	350.000		82.8	170	ug/Kg
P4321-01	IB-6	Solid	Benzo(g,h,i)perylene	140.000	J	81.7	170	ug/Kg
P4321-01	IB-6	Solid	Benzo(k)fluoranthene	180.000		84.3	170	ug/Kg
P4321-01	IB-6	Solid	Chrysene	290.000		81.1	170	ug/Kg
P4321-01	IB-6	Solid	Fluoranthene	540.000		83.4	170	ug/Kg
P4321-01	IB-6	Solid	Indeno(1,2,3-cd)pyrene	120.000	J	79.7	170	ug/Kg
P4321-01	IB-6	Solid	Phenanthrene	340.000		85.7	170	ug/Kg
P4321-01	IB-6	Solid	Pyrene	430.000		84.7	170	ug/Kg
			Total Svoc :	3,070.00				
			Total Concentration:	7,508.70				
Client ID : IB-7								
P4340-01	IB-7	Solid	1-(4,5-Dimethyl-6H-thiopyran-2-y *	600.000	J			
P4340-01	IB-7	Solid	11H-Benzo[a]fluorene *	450.000	J			
P4340-01	IB-7	Solid	2-[2-Phenylethenyl]phenol *	360.000	J			
P4340-01	IB-7	Solid	2-Pentanone, 4-hydroxy-4-methyl *	3,100.000	A			
P4340-01	IB-7	Solid	4H-Cyclopenta[def]phenanthrene *	2,900.000	J			
P4340-01	IB-7	Solid	9,10-Dimethylantracene *	450.000	J			
P4340-01	IB-7	Solid	9H-Fluorene, 2-methyl- *	550.000	J			
P4340-01	IB-7	Solid	Anthracene, 1-methyl- *	750.000	J			
P4340-01	IB-7	Solid	Anthracene, 2-ethyl- *	430.000	J			
P4340-01	IB-7	Solid	Anthracene, 2-methyl- *	1,500.000	J			
P4340-01	IB-7	Solid	Benzo[e]pyrene *	550.000	J			
P4340-01	IB-7	Solid	Benzophenone *	610.000	J			

Hit Summary Sheet SW-846

SDG No.: BF100924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4340-01	1B-7	Solid	Dibenzofuran, 4-methyl-	*	500.000	J		
P4340-01	1B-7	Solid	Dibenzothiophene	*	500.000	J		
P4340-01	1B-7	Solid	Fluoranthene, 2-methyl-	*	740.000	J		
P4340-01	1B-7	Solid	Naphthalene, 2-phenyl-	*	630.000	J		
P4340-01	1B-7	Solid	Perylene	*	2,200.000	J		
P4340-01	1B-7	Solid	Phenanthrene, 2,5-dimethyl-	*	700.000	J		
P4340-01	1B-7	Solid	Phenanthrene, 2-methyl-	*	1,400.000	J		
P4340-01	1B-7	Solid	Pyrene, 1-methyl-	*	480.000	J		
Total Tics :				19,400.00				
P4340-01	1B-7	Solid	Acenaphthene	910.000		350	740	ug/Kg
P4340-01	1B-7	Solid	Anthracene	2,700.000		370	740	ug/Kg
P4340-01	1B-7	Solid	Benzo(a)anthracene	4,600.000		350	740	ug/Kg
P4340-01	1B-7	Solid	Benzo(a)pyrene	3,800.000		400	740	ug/Kg
P4340-01	1B-7	Solid	Benzo(b)fluoranthene	3,800.000		350	740	ug/Kg
P4340-01	1B-7	Solid	Benzo(g,h,i)perylene	1,400.000		350	740	ug/Kg
P4340-01	1B-7	Solid	Benzo(k)fluoranthene	1,300.000		360	740	ug/Kg
P4340-01	1B-7	Solid	Carbazole	600.000	J	350	740	ug/Kg
P4340-01	1B-7	Solid	Chrysene	4,000.000		350	740	ug/Kg
P4340-01	1B-7	Solid	Dibenzo(a,h)anthracene	380.000	J	350	740	ug/Kg
P4340-01	1B-7	Solid	Dibenzofuran	530.000	J	370	740	ug/Kg
P4340-01	1B-7	Solid	Fluoranthene	8,100.000		350	740	ug/Kg
P4340-01	1B-7	Solid	Fluorene	1,100.000		370	740	ug/Kg
P4340-01	1B-7	Solid	Indeno(1,2,3-cd)pyrene	1,300.000		340	740	ug/Kg
P4340-01	1B-7	Solid	Naphthalene	860.000		360	740	ug/Kg
P4340-01	1B-7	Solid	Phenanthrene	9,000.000		360	740	ug/Kg
P4340-01	1B-7	Solid	Pyrene	7,500.000		360	740	ug/Kg
P4340-01	1B-7	Solid	Total PAH	50,750.000		5750	11840	ug/Kg
Total Svoc :				102,630.00				
Total Concentration:				122,030.00				
Client ID : 1B-3								
P4340-05	1B-3	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	A		
P4340-05	1B-3	Solid	9-Octadecenamide, (Z)-	*	200.000	J		
P4340-05	1B-3	Solid	Benzophenone	*	350.000	J		
P4340-05	1B-3	Solid	Butane, 2-methoxy-2-methyl-	*	3,200.000	J		
P4340-05	1B-3	Solid	Heptadecyl heptafluorobutyrate	*	130.000	J		
P4340-05	1B-3	Solid	n-Hexadecanoic acid	*	270.000	J		
P4340-05	1B-3	Solid	Octadecanoic acid	*	51.700	J		
Total Tics :				4,361.70				
Total Concentration:				4,361.70				

Hit Summary Sheet SW-846

SDG No.: BF100924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PORT-ELIZABETH-1201							
P4342-01	PORT-ELIZABETH-120 Water	1,3-Benzodioxole, 4-methoxy-6-(	*	5.000	J		
P4342-01	PORT-ELIZABETH-120 Water	1,4-Benzenedicarboxylic acid, bis	*	13.800	J		
P4342-01	PORT-ELIZABETH-120 Water	1-Methoxy-2-propyl acetate	*	4.400	J		
P4342-01	PORT-ELIZABETH-120 Water	2-Pentanone, 4-hydroxy-4-methyl	*	26.400	A		
P4342-01	PORT-ELIZABETH-120 Water	3-Penten-2-one, 4-methyl-	*	10.700	A		
P4342-01	PORT-ELIZABETH-120 Water	Benzene, 1,2,3,4-tetramethyl-	*	11.400	J		
P4342-01	PORT-ELIZABETH-120 Water	Benzene, 1,2,4,5-tetramethyl-	*	4.500	J		
P4342-01	PORT-ELIZABETH-120 Water	Benzene, 1-ethyl-3-methyl-	*	8.200	J		
P4342-01	PORT-ELIZABETH-120 Water	Benzene, 2-butenyl-	*	12.900	J		
P4342-01	PORT-ELIZABETH-120 Water	Benzophenone	*	22.100	J		
P4342-01	PORT-ELIZABETH-120 Water	Butane, 2-methoxy-2-methyl-	*	280.000	J		
P4342-01	PORT-ELIZABETH-120 Water	Carvone	*	7.600	J		
P4342-01	PORT-ELIZABETH-120 Water	Eugenol	*	46.000	J		
P4342-01	PORT-ELIZABETH-120 Water	Isoniazid	*	6.100	J		
P4342-01	PORT-ELIZABETH-120 Water	n-Hexadecanoic acid	*	18.400	J		
P4342-01	PORT-ELIZABETH-120 Water	Octadecanoic acid	*	17.300	J		
P4342-01	PORT-ELIZABETH-120 Water	Pentadecane	*	4.800	J		
P4342-01	PORT-ELIZABETH-120 Water	Sulfurous acid, di(cyclohexylmeth	*	5.100	J		
P4342-01	PORT-ELIZABETH-120 Water	Tetradecane	*	6.800	J		
P4342-01	PORT-ELIZABETH-120 Water	unknown7.257	*	10.900	J		
		Total Tics :		522.40			
P4342-01	PORT-ELIZABETH-120 Water	Diethylphthalate		2.600	J 1.1	5.1	ug/L
		Total Svoc :		2.60			
		Total Concentration:		525.00			
Client ID : EO-03-100724							
P4343-01	EO-03-100724 Solid	10,13-Octadecadienoic acid, meth	*	950.000	J		
P4343-01	EO-03-100724 Solid	Benzophenone	*	89.000	J		
P4343-01	EO-03-100724 Solid	Dodecane, 2,6,10-trimethyl-	*	52.800	J		
P4343-01	EO-03-100724 Solid	Heptadecane	*	140.000	J		
P4343-01	EO-03-100724 Solid	Hexadecane	*	81.500	J		
P4343-01	EO-03-100724 Solid	Hexadecanoic acid, methyl ester	*	340.000	J		
P4343-01	EO-03-100724 Solid	N,N-Dimethyloctylamine	*	150.000	J		
P4343-01	EO-03-100724 Solid	n-Hexadecanoic acid	*	190.000	J		
P4343-01	EO-03-100724 Solid	Nonadecane	*	84.100	J		
P4343-01	EO-03-100724 Solid	Octadecane	*	98.900	J		
P4343-01	EO-03-100724 Solid	Octadecanoic acid	*	130.000	J		
P4343-01	EO-03-100724 Solid	Pentadecane, 2,6,10-trimethyl-	*	54.800	J		
P4343-01	EO-03-100724 Solid	Tetracosane	*	71.100	J		
		Total Tics :		2,432.20			

Hit Summary Sheet SW-846

SDG No.: BF100924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4343-01	EO-03-100724	Solid	Benzo(b)fluoranthene	63.000	J	53.6	110	ug/Kg
P4343-01	EO-03-100724	Solid	Fluoranthene	82.100	J	54	110	ug/Kg
P4343-01	EO-03-100724	Solid	Pyrene	64.800	J	54.8	110	ug/Kg

Total Svoc : 209.90
Total Concentration: 2,642.10

Client ID : TR-05-100724

P4344-01	TR-05-100724	Solid	11H-Benzo[a]fluoren-11-one	*	200.000	J		
P4344-01	TR-05-100724	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	84.300	A		
P4344-01	TR-05-100724	Solid	3,5-Dimethyldodecane	*	130.000	J		
P4344-01	TR-05-100724	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	130.000	J		
P4344-01	TR-05-100724	Solid	Benzophenone	*	260.000	J		
P4344-01	TR-05-100724	Solid	Decane, 1-iodo-	*	95.400	J		
P4344-01	TR-05-100724	Solid	Heptacosane	*	110.000	J		
P4344-01	TR-05-100724	Solid	Heptadecane	*	150.000	J		
P4344-01	TR-05-100724	Solid	Hexadecane	*	180.000	J		
P4344-01	TR-05-100724	Solid	Hexadecane, 2,6,10,14-tetramethy	*	99.900	J		
P4344-01	TR-05-100724	Solid	n-Hexadecanoic acid	*	300.000	J		
P4344-01	TR-05-100724	Solid	Naphthalene, 1,2,3,4-tetrahydro-1.	*	85.100	J		
P4344-01	TR-05-100724	Solid	Nonadecane	*	140.000	J		
P4344-01	TR-05-100724	Solid	Octadecane	*	92.100	J		
P4344-01	TR-05-100724	Solid	Octadecanoic acid	*	100.000	J		
P4344-01	TR-05-100724	Solid	Pentadecane	*	100.000	J		
P4344-01	TR-05-100724	Solid	Tetracosane	*	180.000	J		
P4344-01	TR-05-100724	Solid	Tridecane	*	320.000	J		

Total Tics : 2,756.80

P4344-01	TR-05-100724	Solid	Benzo(a)anthracene		390.000	99.1	210	ug/Kg
P4344-01	TR-05-100724	Solid	Benzo(a)pyrene		420.000	110	210	ug/Kg
P4344-01	TR-05-100724	Solid	Benzo(b)fluoranthene		490.000	99.6	210	ug/Kg
P4344-01	TR-05-100724	Solid	Benzo(g,h,i)perylene		190.000	J	210	ug/Kg
P4344-01	TR-05-100724	Solid	Benzo(k)fluoranthene		160.000	J	210	ug/Kg
P4344-01	TR-05-100724	Solid	Chrysene		390.000	97.6	210	ug/Kg
P4344-01	TR-05-100724	Solid	Fluoranthene		520.000	100	210	ug/Kg
P4344-01	TR-05-100724	Solid	Indeno(1,2,3-cd)pyrene		160.000	J	210	ug/Kg
P4344-01	TR-05-100724	Solid	Phenanthrene		200.000	J	210	ug/Kg
P4344-01	TR-05-100724	Solid	Pyrene		450.000	100	210	ug/Kg

Total Svoc : 3,370.00
Total Concentration: 6,126.80

Client ID : CF-400-COMP-43

P4353-01	CF-400-COMP-43	Solid	11H-Benzo[b]fluorene	*	53.400	J		
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Hit Summary Sheet SW-846

SDG No.: BF100924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4353-01	CF-400-COMP-43	Solid	2-Pentanone, 4-hydroxy-4-methyl *	110.000	A			
P4353-01	CF-400-COMP-43	Solid	4,4-Bis(tetrahydrothiopyran) *	74.200	J			
P4353-01	CF-400-COMP-43	Solid	5-Eicosene, (E)- *	93.100	J			
P4353-01	CF-400-COMP-43	Solid	9-Octadecenamide, (Z)- *	280.000	J			
P4353-01	CF-400-COMP-43	Solid	Benzophenone *	140.000	J			
P4353-01	CF-400-COMP-43	Solid	Butane, 2-methoxy-2-methyl- *	2,400.000	J			
P4353-01	CF-400-COMP-43	Solid	n-Hexadecanoic acid *	320.000	J			
P4353-01	CF-400-COMP-43	Solid	Phenanthrene, 2,5-dimethyl- *	78.500	J			
P4353-01	CF-400-COMP-43	Solid	Phenanthrene, 4-methyl- *	100.000	J			
P4353-01	CF-400-COMP-43	Solid	Pyrene, 1-methyl- *	72.100	J			
P4353-01	CF-400-COMP-43	Solid	unknown12.475 *	60.500	J			
Total Tics :				3,781.80				
P4353-01	CF-400-COMP-43	Solid	Acenaphthylene	78.500	J	55.7	110	ug/Kg
P4353-01	CF-400-COMP-43	Solid	Benzo(a)anthracene	130.000		51.9	110	ug/Kg
P4353-01	CF-400-COMP-43	Solid	Benzo(a)pyrene	120.000		59.9	110	ug/Kg
P4353-01	CF-400-COMP-43	Solid	Benzo(b)fluoranthene	130.000		52.2	110	ug/Kg
P4353-01	CF-400-COMP-43	Solid	Benzo(g,h,i)perylene	70.000	J	51.6	110	ug/Kg
P4353-01	CF-400-COMP-43	Solid	Chrysene	130.000		51.2	110	ug/Kg
P4353-01	CF-400-COMP-43	Solid	Fluoranthene	120.000		52.6	110	ug/Kg
P4353-01	CF-400-COMP-43	Solid	Pyrene	150.000		53.4	110	ug/Kg
Total Svoc :				928.50				
Total Concentration:				4,710.30				
Client ID : EXCAVATION-SOIL								
P4359-01	EXCAVATION-SOIL	Solid	(1S,4aS,4bS,7S,8aS,10aS)-7-Isopr *	59.700	J			
P4359-01	EXCAVATION-SOIL	Solid	1-Docosene *	97.200	J			
P4359-01	EXCAVATION-SOIL	Solid	2-Pentanone, 4-hydroxy-4-methyl *	170.000	A			
P4359-01	EXCAVATION-SOIL	Solid	4b,8-Dimethyl-2-isopropylphenan *	240.000	J			
P4359-01	EXCAVATION-SOIL	Solid	Benzophenone *	380.000	J			
P4359-01	EXCAVATION-SOIL	Solid	Butane, 2-methoxy-2-methyl- *	2,900.000	J			
P4359-01	EXCAVATION-SOIL	Solid	Cyclohexane, 1-methyl-4-(1-meth *	54.600	J			
P4359-01	EXCAVATION-SOIL	Solid	Methanone, (1-hydroxycyclohexy *	49.600	J			
P4359-01	EXCAVATION-SOIL	Solid	n-Hexadecanoic acid *	300.000	J			
P4359-01	EXCAVATION-SOIL	Solid	Octadecanoic acid *	79.600	J			
P4359-01	EXCAVATION-SOIL	Solid	Pentanedioic acid, dimethyl ester *	57.000	J			
P4359-01	EXCAVATION-SOIL	Solid	unknown12.133 *	110.000	J			
P4359-01	EXCAVATION-SOIL	Solid	unknown12.245 *	370.000	J			
P4359-01	EXCAVATION-SOIL	Solid	unknown12.463 *	61.600	J			
Total Tics :				4,929.30				
P4359-01	EXCAVATION-SOIL	Solid	Benzo(a)anthracene	100.000	J	53.1	110	ug/Kg
P4359-01	EXCAVATION-SOIL	Solid	Benzo(a)pyrene	110.000		61.2	110	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF100924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4359-01	EXCAVATION-SOIL	Solid	Benzo(b)fluoranthene	140.000		53.4	110	ug/Kg
P4359-01	EXCAVATION-SOIL	Solid	Benzo(g,h,i)perylene	58.500	J	52.7	110	ug/Kg
P4359-01	EXCAVATION-SOIL	Solid	Chrysene	88.800	J	52.3	110	ug/Kg
P4359-01	EXCAVATION-SOIL	Solid	Fluoranthene	140.000		53.8	110	ug/Kg
P4359-01	EXCAVATION-SOIL	Solid	Phenanthrene	56.800	J	55.3	110	ug/Kg
P4359-01	EXCAVATION-SOIL	Solid	Pyrene	110.000		54.6	110	ug/Kg
Total Svoc :						804.10		
Total Concentration:						5,733.40		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BF100124

SAS No.: BF100124

SDG No.: BF100124

Instrument ID: _____

Calibration Date(s): 10/1/2024 : _____

Calibration Time(s): 14:05 _____

LAB FILE ID:		RRF2.5 = BF139584.D			RRF005 = BF139585.D		RRF010 = BF139586.D	
		RRF020 = BF139587.D			RRF040 = BF139588.D		RRF050 = BF139589.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.820	0.790	0.797	0.783	0.784	0.794	1.7
Pyridine		1.305	1.304	1.277	1.163	1.155	1.213	6.6
2-Fluorophenol		1.285	1.218	1.191	1.113	1.096	1.154	6.8
Benzaldehyde		1.008	1.014	0.926	0.787	0.727	0.822	19.7
Aniline		1.562	1.492	1.462	1.276	1.243	1.377	10.6
Phenol-d6		1.719	1.638	1.599	1.490	1.482	1.552	6.5
Phenol		1.798	1.748	1.691	1.602	1.548	1.632	7.3
bis(2-Chloroethyl)ether		1.356	1.331	1.264	1.258	1.236	1.329	9.4
2-Chlorophenol		1.326	1.337	1.289	1.191	1.180	1.236	6.4
1,2-Dichlorobenzene		1.469	1.429	1.393	1.278	1.256	1.320	8.3
1,3-Dichlorobenzene		1.527	1.477	1.450	1.346	1.330	1.391	6.8
1,4-Dichlorobenzene		1.592	1.510	1.451	1.348	1.341	1.409	8.0
Benzyl Alcohol		1.239	1.244	1.233	1.170	1.144	1.186	4.6
2-Methylphenol		1.105	1.073	1.068	1.010	0.992	1.032	4.8
2,2-oxybis(1-Chloropropane)		2.573	2.446	2.391	2.225	2.186	2.300	7.6
Acetophenone		0.530	0.505	0.494	0.451	0.447	0.475	7.4
3+4-Methylphenols		1.439	1.405	1.363	1.257	1.226	1.296	8.2
n-Nitroso-di-n-propylamine	1.024	1.073	1.066	1.030	0.959	0.932	0.998	5.8
Nitrobenzene-d5		0.420	0.411	0.406	0.382	0.382	0.395	4.4
Hexachloroethane		0.553	0.548	0.550	0.511	0.511	0.525	4.7
Nitrobenzene		0.427	0.424	0.421	0.397	0.391	0.409	3.6
Isophorone		0.766	0.728	0.713	0.675	0.662	0.702	5.2
2-Nitrophenol		0.174	0.172	0.181	0.178	0.175	0.176	2.0
2,4-Dimethylphenol		0.228	0.224	0.218	0.206	0.209	0.215	4.1
bis(2-Chloroethoxy)methane		0.459	0.438	0.433	0.403	0.401	0.419	5.9
2,4-Dichlorophenol		0.300	0.295	0.293	0.275	0.266	0.281	5.4
1,2,4-Trichlorobenzene		0.344	0.336	0.329	0.307	0.301	0.318	5.9
Benzoic acid		0.159	0.187	0.220	0.224	0.227	0.214	14.3
Naphthalene		1.144	1.090	1.074	0.982	0.962	1.023	7.8
4-Chloroaniline		0.382	0.367	0.361	0.340	0.330	0.346	7.2
Hexachlorobutadiene		0.223	0.216	0.216	0.197	0.198	0.205	6.1
Caprolactam		0.098	0.099	0.093	0.088	0.088	0.092	5.5
4-Chloro-3-methylphenol		0.345	0.335	0.331	0.303	0.300	0.318	5.9
2-Methylnaphthalene		0.764	0.718	0.694	0.639	0.620	0.666	9.1
Hexachlorocyclopentadiene		0.120	0.148	0.173	0.184	0.191	0.170	15.8
2,4,6-Trichlorophenol		0.395	0.383	0.391	0.366	0.362	0.374	4.3

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.: BF100124

SAS No.: BF100124

SDG No.: BF100124

Instrument ID: _____

Calibration Date(s): 10/1/2024 : _____

Calibration Time(s): 14:05 _____

LAB FILE ID:		RRF2.5 = BF139584.D			RRF005 = BF139585.D		RRF010 = BF139586.D	
		RRF020 = BF139587.D			RRF040 = BF139588.D		RRF050 = BF139589.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.547	1.443	1.373	1.228	1.203	1.303	11.8
2,4,5-Trichlorophenol		0.433	0.429	0.412	0.390	0.389	0.404	5.3
1,1-Biphenyl		1.680	1.619	1.556	1.416	1.400	1.488	8.7
2-Chloronaphthalene		1.225	1.193	1.156	1.074	1.067	1.115	6.8
2-Nitroaniline		0.401	0.400	0.409	0.394	0.397	0.400	1.4
Dimethylphthalate		1.471	1.387	1.342	1.249	1.249	1.309	7.2
Acenaphthylene		1.889	1.832	1.784	1.632	1.615	1.696	8.2
2,6-Dinitrotoluene		0.313	0.310	0.304	0.288	0.285	0.296	4.6
3-Nitroaniline		0.326	0.319	0.314	0.293	0.291	0.302	5.8
Acenaphthene		1.279	1.237	1.207	1.126	1.115	1.164	6.7
2,4-Dinitrophenol		0.122	0.136	0.164	0.164	0.176	0.159	13.5
4-Nitrophenol		0.230	0.233	0.237	0.228	0.231	0.230	2.7
Dibenzofuran		1.882	1.800	1.713	1.553	1.526	1.630	10.4
2,4-Dinitrotoluene		0.408	0.416	0.406	0.380	0.377	0.387	6.3
Diethylphthalate		1.530	1.451	1.397	1.289	1.290	1.352	8.2
4-Chlorophenyl-phenylether		0.750	0.728	0.689	0.607	0.604	0.650	11.1
Fluorene		1.524	1.436	1.358	1.222	1.212	1.298	11.0
4-Nitroaniline		0.340	0.326	0.323	0.298	0.298	0.309	6.8
4,6-Dinitro-2-methylphenol		0.095	0.105	0.114	0.120	0.116	0.113	8.7
n-Nitrosodiphenylamine		0.653	0.623	0.609	0.568	0.559	0.590	6.7
Azobenzene		1.509	1.451	1.415	1.313	1.296	1.360	7.2
2,4,6-Tribromophenol		0.212	0.208	0.200	0.187	0.182	0.193	7.1
4-Bromophenyl-phenylether		0.225	0.219	0.211	0.198	0.193	0.205	6.5
Hexachlorobenzene		0.251	0.238	0.233	0.220	0.215	0.228	6.1
Atrazine		0.189	0.185	0.164	0.132	0.121	0.158	19.4
Pentachlorophenol		0.127	0.132	0.139	0.140	0.135	0.135	3.9
Phenanthrene		1.071	1.024	0.976	0.904	0.883	0.943	8.9
Anthracene		1.078	0.987	0.978	0.896	0.875	0.933	9.1
Carbazole		1.013	0.968	0.946	0.867	0.852	0.896	9.2
Di-n-butylphthalate		1.194	1.155	1.143	1.069	1.042	1.090	7.1
Fluoranthene		1.217	1.139	1.111	0.993	0.958	1.031	12.3
Benzidine		0.478	0.458	0.335	0.346	0.240	0.353	26.4
Pyrene		1.799	1.737	1.801	1.817	1.746	1.789	2.6
Terphenyl-d14		1.296	1.236	1.228	1.209	1.176	1.219	4.0
Butylbenzylphthalate		0.624	0.609	0.645	0.649	0.646	0.640	3.1
3,3-Dichlorobenzidine		0.440	0.421	0.414	0.395	0.370	0.402	6.0

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.: BF100124 SAS No.: BF100124 SDG No.: BF100124
Instrument ID: _____ Calibration Date(s): 10/1/2024 : _____
Calibration Time(s): 14:05 _____

LAB FILE ID:		RRF2.5 = BF139584.D			RRF005 = BF139585.D		RRF010 = BF139586.D	
		RRF020 = BF139587.D			RRF040 = BF139588.D		RRF050 = BF139589.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.476	1.348	1.331	1.252	1.274	1.315	6.3
Chrysene		1.330	1.242	1.254	1.189	1.116	1.202	6.5
Bis(2-ethylhexyl)phthalate		0.748	0.746	0.796	0.816	0.813	0.799	4.8
Di-n-octyl phthalate		1.038	1.032	1.127	1.189	1.201	1.174	9.9
Benzo(b)fluoranthene		1.541	1.415	1.347	1.153	1.261	1.293	11.6
Benzo(k)fluoranthene		1.122	1.177	1.191	1.126	0.998	1.097	7.0
Benzo(a)pyrene		1.076	1.060	1.042	0.992	0.996	1.020	3.8
Indeno(1,2,3-cd)pyrene		1.021	1.065	1.202	1.210	1.220	1.177	8.1
Dibenzo(a,h)anthracene		0.850	0.898	0.988	1.008	1.014	0.976	7.6
Benzo(g,h,i)perylene		0.833	0.865	0.993	1.020	1.015	0.979	9.5
1,2,4,5-Tetrachlorobenzene		0.601	0.594	0.586	0.536	0.528	0.555	6.7
1,4-Dioxane		0.523	0.523	0.509	0.485	0.488	0.499	3.9
2,3,4,6-Tetrachlorophenol		0.358	0.338	0.339	0.315	0.314	0.326	6.1
1-Methylnaphthalene		0.739	0.708	0.677	0.624	0.610	0.651	8.9

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.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139588.D Time Analyzed: 10:42

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	114444	6.869	436939	8.15	248727	9.91
	UPPER LIMIT	228888	7.369	873878	8.651	497454	10.41
	LOWER LIMIT	57222	6.369	218469.5	7.651	124363.5	9.41
	EPA SAMPLE NO.						
01	PB163970BL	102789	6.86	386511	8.15	223930	9.90
02	PB163970BS	98382	6.87	380731	8.15	220033	9.90
03	PB163947BL	92304	6.86	351162	8.15	199451	9.90
04	PB163947BS	98066	6.87	381544	8.15	213652	9.90
05	PB163987BS	104485	6.87	400008	8.15	224940	9.90
06	PB163987BSD	85890	6.87	332977	8.15	186571	9.90
07	PB163987BL	91202	6.86	355788	8.15	200276	9.90
08	PORT-ELIZABETH-1201	83372	6.86	313731	8.15	173613	9.90
09	1B-3	85414	6.86	322110	8.15	178988	9.90
10	1B-3MS	84991	6.87	327420	8.15	180062	9.90
11	1B-3MSD	83117	6.86	313856	8.15	169819	9.90
12	EO-03-100724	83452	6.86	309461	8.15	163569	9.90
13	TR-05-100724	87429	6.86	320420	8.15	166027	9.90
14	1B-7	79597	6.86	296965	8.15	159333	9.90
15	IB-6	82060	6.86	300501	8.15	153028	9.90
16	IB-6MS	90373	6.87	332020	8.15	171080	9.90
17	IB-6MSD	81712	6.87	300320	8.15	150423	9.90
18	CONCRETE-1	75811	6.87	275697	8.15	137243	9.90
19	CONCRETE-2	82324	6.87	294943	8.15	143907	9.90
20	EXCAVATION-SOIL	88348	6.87	321088	8.15	158717	9.90
21	EXCAVATION-SOILMS	84821	6.87	310158	8.15	157085	9.90
22	EXCAVATION-SOILMSD	84080	6.87	311222	8.15	157297	9.90
23	CF-400-COMP-43	79017	6.87	284103	8.15	137021	9.90

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139588.D Time Analyzed: 21:21

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	114444	6.869	436939	8.15	248727	9.91
UPPER LIMIT	228888	7.369	873878	8.651	497454	10.41
LOWER LIMIT	57222	6.369	218469.5	7.651	124363.5	9.41
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139712.D Time Analyzed: 10:42

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	114196	6.869	432822	8.15	242140	9.90
	UPPER LIMIT	228392	7.369	865644	8.651	484280	10.404
	LOWER LIMIT	57098	6.369	216411	7.651	121070	9.404
	EPA SAMPLE NO.						
01	PB163970BL	102789	6.86	386511	8.15	223930	9.90
02	PB163970BS	98382	6.87	380731	8.15	220033	9.90
03	PB163947BL	92304	6.86	351162	8.15	199451	9.90
04	PB163947BS	98066	6.87	381544	8.15	213652	9.90
05	PB163987BS	104485	6.87	400008	8.15	224940	9.90
06	PB163987BSD	85890	6.87	332977	8.15	186571	9.90
07	PB163987BL	91202	6.86	355788	8.15	200276	9.90
08	PORT-ELIZABETH-1201	83372	6.86	313731	8.15	173613	9.90
09	1B-3	85414	6.86	322110	8.15	178988	9.90
10	1B-3MS	84991	6.87	327420	8.15	180062	9.90
11	1B-3MSD	83117	6.86	313856	8.15	169819	9.90
12	EO-03-100724	83452	6.86	309461	8.15	163569	9.90
13	TR-05-100724	87429	6.86	320420	8.15	166027	9.90
14	1B-7	79597	6.86	296965	8.15	159333	9.90
15	IB-6	82060	6.86	300501	8.15	153028	9.90
16	IB-6MS	90373	6.87	332020	8.15	171080	9.90
17	IB-6MSD	81712	6.87	300320	8.15	150423	9.90
18	CONCRETE-1	75811	6.87	275697	8.15	137243	9.90
19	CONCRETE-2	82324	6.87	294943	8.15	143907	9.90
20	EXCAVATION-SOIL	88348	6.87	321088	8.15	158717	9.90
21	EXCAVATION-SOILMS	84821	6.87	310158	8.15	157085	9.90
22	EXCAVATION-SOILMSD	84080	6.87	311222	8.15	157297	9.90
23	CF-400-COMP-43	79017	6.87	284103	8.15	137021	9.90

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139712.D Time Analyzed: 21:21

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	114196	6.869	432822	8.15	242140	9.90
UPPER LIMIT	228392	7.369	865644	8.651	484280	10.404
LOWER LIMIT	57098	6.369	216411	7.651	121070	9.404
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139588.D Time Analyzed: 10:42

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	459579	11.392	251487	14.033	218952	15.504
	UPPER LIMIT	919158	11.892	502974	14.533	437904	16.004
	LOWER LIMIT	229789.5	10.892	125743.5	13.533	109476	15.004
	EPA SAMPLE NO.						
01	PB163970BL	439622	11.39	276476	14.03	212622	15.50
02	PB163970BS	414520	11.39	218763	14.03	184986	15.50
03	PB163947BL	392411	11.39	247748	14.03	192020	15.50
04	PB163947BS	400245	11.39	208540	14.03	181893	15.50
05	PB163987BS	413544	11.39	217053	14.03	191631	15.50
06	PB163987BSD	343281	11.39	172046	14.03	166643	15.50
07	PB163987BL	387987	11.39	225352	14.03	180938	15.50
08	PORT-ELIZABETH-1201	316016	11.39	177795	14.03	139480	15.50
09	1B-3	336231	11.39	184881	14.03	157783	15.50
10	1B-3MS	333201	11.39	167716	14.03	175394	15.50
11	1B-3MSD	306170	11.39	155284	14.03	171359	15.50
12	EO-03-100724	265584	11.39	171547	14.03	193884	15.50
13	TR-05-100724	257149	11.39	174097	14.03	181743	15.50
14	1B-7	249802	11.39	151840	14.03	171564	15.50
15	IB-6	239587	11.39	168159	14.03	169190	15.50
16	IB-6MS	266045	11.39	174817	14.04	165297	15.51
17	IB-6MSD	227294 *	11.39	158691	14.04	140761	15.51
18	CONCRETE-1	211020 *	11.39	158545	14.03	147315	15.50
19	CONCRETE-2	224821 *	11.39	171196	14.03	155479	15.50
20	EXCAVATION-SOIL	235947	11.39	178507	14.03	153519	15.50
21	EXCAVATION-SOILMS	237797	11.39	173226	14.03	149626	15.51

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139588.D Time Analyzed: 20:52

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	459579	11.392	251487	14.033	218952	15.504
UPPER LIMIT	919158	11.892	502974	14.533	437904	16.004
LOWER LIMIT	229789.5	10.892	125743.5	13.533	109476	15.004
EPA SAMPLE NO.						
22 EXCAVATION-SOILMSD	238294	11.39	168675	14.04	143520	15.51
23 CF-400-COMP-43	218696 *	11.39	171810	14.03	128240	15.51

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.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139712.D Time Analyzed: 10:42

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	441628	11.392	218356	14.033	208840	15.504
	UPPER LIMIT	883256	11.892	436712	14.533	417680	16.004
	LOWER LIMIT	220814	10.892	109178	13.533	104420	15.004
	EPA SAMPLE NO.						
01	PB163970BL	439622	11.39	276476	14.03	212622	15.50
02	PB163970BS	414520	11.39	218763	14.03	184986	15.50
03	PB163947BL	392411	11.39	247748	14.03	192020	15.50
04	PB163947BS	400245	11.39	208540	14.03	181893	15.50
05	PB163987BS	413544	11.39	217053	14.03	191631	15.50
06	PB163987BSD	343281	11.39	172046	14.03	166643	15.50
07	PB163987BL	387987	11.39	225352	14.03	180938	15.50
08	PORT-ELIZABETH-1201	316016	11.39	177795	14.03	139480	15.50
09	1B-3	336231	11.39	184881	14.03	157783	15.50
10	1B-3MS	333201	11.39	167716	14.03	175394	15.50
11	1B-3MSD	306170	11.39	155284	14.03	171359	15.50
12	EO-03-100724	265584	11.39	171547	14.03	193884	15.50
13	TR-05-100724	257149	11.39	174097	14.03	181743	15.50
14	1B-7	249802	11.39	151840	14.03	171564	15.50
15	IB-6	239587	11.39	168159	14.03	169190	15.50
16	IB-6MS	266045	11.39	174817	14.04	165297	15.51
17	IB-6MSD	227294	11.39	158691	14.04	140761	15.51
18	CONCRETE-1	211020 *	11.39	158545	14.03	147315	15.50
19	CONCRETE-2	224821	11.39	171196	14.03	155479	15.50
20	EXCAVATION-SOIL	235947	11.39	178507	14.03	153519	15.50
21	EXCAVATION-SOILMS	237797	11.39	173226	14.03	149626	15.51

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF100924 SAS No.: BF100924 SDG NO.: BF100924

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

Lab File ID: BF139712.D Time Analyzed: 20:52

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	441628	11.392	218356	14.033	208840	15.504
UPPER LIMIT	883256	11.892	436712	14.533	417680	16.004
LOWER LIMIT	220814	10.892	109178	13.533	104420	15.004
EPA SAMPLE NO.						
22 EXCAVATION-SOILMSD	238294	11.39	168675	14.04	143520	15.51
23 CF-400-COMP-43	218696 *	11.39	171810	14.03	128240	15.51

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.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB163947BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1500	ug/Kg	88				28	98	
	Benzaldehyde	1700	840	ug/Kg	49				10	133	
	Aniline	1700	1800	ug/Kg	106		*		38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	1200	ug/Kg	71				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	5700	ug/Kg	173		*		45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1300	ug/Kg	76				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	26400	ug/Kg	97				57	104	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB163947BS	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	3100	ug/Kg	91				60	106	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1900	ug/Kg	112				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	3600	ug/Kg	109		*		10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				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	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163970BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103		
	Pyridine	1700	1500	ug/Kg	88				28	98		
	Benzaldehyde	1700	810	ug/Kg	48				10	133		
	Aniline	1700	1700	ug/Kg	100				38	100		
	Phenol	1700	1600	ug/Kg	94				62	112		
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101		
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112		
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				42	116		
	2-Methylphenol	1700	1600	ug/Kg	94				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100		
	Acetophenone	1700	1500	ug/Kg	88				66	98		
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111		
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95		
	Hexachloroethane	1700	1500	ug/Kg	88				72	108		
	Nitrobenzene	1700	1500	ug/Kg	88				57	101		
	Isophorone	1700	1600	ug/Kg	94				59	99		
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111		
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				46	141		
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97		
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107		
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110		
	Benzoic acid	1700	1600	ug/Kg	94				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	930	ug/Kg	55				16	100		
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98		
	Caprolactam	1700	1600	ug/Kg	94				67	110		
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112		
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104		
	Hexachlorocyclopentadiene	3300	5600	ug/Kg	170		*		45	165		
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102		
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98		
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103		
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99		
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101		
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99		
	Acenaphthylene	1700	1600	ug/Kg	94				63	101		
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104		
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100		
	Acenaphthene	1700	1700	ug/Kg	100				57	104		
	Total PAH	27200	26100	ug/Kg	96				57	104		
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163970BS	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1900	ug/Kg	112				47	152	
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	2800	ug/Kg	85				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				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	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163987BS	n-Nitrosodimethylamine	50	44.5	ug/L	89				55	108	
	Pyridine	50	43.2	ug/L	86				29	97	
	Benzaldehyde	50	21.4	ug/L	43				10	162	
	Aniline	50	46.8	ug/L	94				10	130	
	Phenol	50	47.4	ug/L	95				66	118	
	bis(2-Chloroethyl)ether	50	44.2	ug/L	88				62	103	
	2-Chlorophenol	50	48.4	ug/L	97				70	117	
	1,2-Dichlorobenzene	50	45	ug/L	90				72	102	
	1,3-Dichlorobenzene	50	44.1	ug/L	88				71	103	
	1,4-Dichlorobenzene	50	44	ug/L	88				76	103	
	Benzyl Alcohol	50	46.8	ug/L	94		*		36	93	
	2-Methylphenol	50	47	ug/L	94				69	109	
	2,2-oxybis(1-Chloropropane)	50	46.1	ug/L	92				65	100	
	Acetophenone	50	44.7	ug/L	89				60	104	
	3+4-Methylphenols	50	46.5	ug/L	93				67	106	
	N-Nitroso-di-n-propylamine	50	45.5	ug/L	91				57	107	
	Hexachloroethane	50	44.7	ug/L	89				76	118	
	Nitrobenzene	50	43.7	ug/L	87				58	106	
	Isophorone	50	45.7	ug/L	91				61	102	
	2-Nitrophenol	50	48.1	ug/L	96				70	115	
	2,4-Dimethylphenol	50	56.8	ug/L	114				42	142	
	bis(2-Chloroethoxy)methane	50	45.7	ug/L	91				58	109	
	2,4-Dichlorophenol	50	46.9	ug/L	94				66	115	
	1,2,4-Trichlorobenzene	50	43.5	ug/L	87				41	115	
	Benzoic acid	50	45.7	ug/L	91				10	125	
	Naphthalene	50	45	ug/L	90				64	107	
	4-Chloroaniline	50	18.5	ug/L	37				10	85	
	Hexachlorobutadiene	50	43.1	ug/L	86				69	101	
	Caprolactam	50	47.8	ug/L	96				58	128	
	4-Chloro-3-methylphenol	50	46.1	ug/L	92				65	114	
	2-Methylnaphthalene	50	45.1	ug/L	90				64	107	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		36	160	
	2,4,6-Trichlorophenol	50	45.9	ug/L	92				61	110	
	2,4,5-Trichlorophenol	50	46	ug/L	92				70	106	
	1,1-Biphenyl	50	45	ug/L	90				72	98	
	2-Chloronaphthalene	50	44.8	ug/L	90				59	106	
	2-Nitroaniline	50	47	ug/L	94				73	114	
	Dimethylphthalate	50	46.4	ug/L	93				64	103	
	Acenaphthylene	50	48.2	ug/L	96				79	103	
	2,6-Dinitrotoluene	50	45.4	ug/L	91				64	110	
	3-Nitroaniline	50	28.3	ug/L	57				28	100	
	Acenaphthene	50	50.5	ug/L	101				59	113	
	Total PAH	800	787.6	ug/L	98				59	113	
	2,4-Dinitrophenol	100	100	ug/L	100				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB163987BS	4-Nitrophenol	100	90	ug/L	90				45	147	
	Dibenzofuran	50	45.8	ug/L	92				65	106	
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	92.1	ug/L	92				60	115	
	2,4-Dinitrotoluene	50	46.7	ug/L	93				60	115	
	Diethylphthalate	50	45.6	ug/L	91				63	105	
	4-Chlorophenyl-phenylether	50	43.6	ug/L	87				61	104	
	Fluorene	50	45.3	ug/L	91				64	107	
	4-Nitroaniline	50	46.5	ug/L	93				55	125	
	4,6-Dinitro-2-methylphenol	50	50.2	ug/L	100				62	132	
	N-Nitrosodiphenylamine	50	47.7	ug/L	95				61	109	
	Azobenzene	50	45.9	ug/L	92				59	106	
	4-Bromophenyl-phenylether	50	46.1	ug/L	92				73	103	
	Hexachlorobenzene	50	46.3	ug/L	93				73	106	
	Atrazine	50	57.9	ug/L	116				76	120	
	Pentachlorophenol	100	86.2	ug/L	86				47	114	
	Phenanthrene	50	48	ug/L	96				62	109	
	Anthracene	50	49.7	ug/L	99				65	110	
	Carbazole	50	46.4	ug/L	93				62	106	
	Di-n-butylphthalate	50	47.1	ug/L	94				64	106	
	Fluoranthene	50	45.6	ug/L	91				64	110	
	Benzidine	100	84.6	ug/L	85				10	94	
	Pyrene	50	50.5	ug/L	101				71	103	
	Butylbenzylphthalate	50	50.4	ug/L	101				61	105	
	3,3-Dichlorobenzidine	50	33	ug/L	66				43	108	
	Benzo(a)anthracene	50	48.4	ug/L	97				62	107	
	Chrysene	50	48.3	ug/L	97				61	108	
	bis(2-Ethylhexyl)phthalate	50	50.5	ug/L	101				59	110	
	Di-n-octyl phthalate	50	50.4	ug/L	101				52	139	
	Benzo(b)fluoranthene	50	45.1	ug/L	90				77	113	
	Benzo(k)fluoranthene	50	48.5	ug/L	97				77	105	
	Benzo(a)pyrene	50	52	ug/L	104				72	131	
	Indeno(1,2,3-cd)pyrene	50	55.9	ug/L	112		*		72	105	
	Dibenz(a,h)anthracene	50	55.3	ug/L	111				78	115	
	Benzo(g,h,i)perylene	50	51.3	ug/L	103				75	118	
	1,2,4,5-Tetrachlorobenzene	50	45.3	ug/L	91				72	101	
	1,4-Dioxane	50	40.1	ug/L	80				38	125	
	2,3,4,6-Tetrachlorophenol	50	49.1	ug/L	98				63	116	
	1-Methylnaphthalene	50	42.9	ug/L	86				51	114	
PB163987BSD	n-Nitrosodimethylamine	50	51.1	ug/L	102	14			55	108	20
	Pyridine	50	49.6	ug/L	99	14	*		29	97	20
	Benzaldehyde	50	23.9	ug/L	48	11			10	162	20
	Aniline	50	54	ug/L	108	14			10	130	20
	Phenol	50	54.5	ug/L	109	14			66	118	20
	bis(2-Chloroethyl)ether	50	50.2	ug/L	100	13			62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB163987BSD	2-Chlorophenol	50	55	ug/L	110	13			70	117	20
	1,2-Dichlorobenzene	50	51.7	ug/L	103	14	*		72	102	20
	1,3-Dichlorobenzene	50	50.6	ug/L	101	14			71	103	20
	1,4-Dichlorobenzene	50	50.7	ug/L	101	14			76	103	20
	Benzyl Alcohol	50	52.5	ug/L	105	11	*		36	93	20
	2-Methylphenol	50	53.7	ug/L	107	13			69	109	20
	2,2-oxybis(1-Chloropropane)	50	52.1	ug/L	104	12	*		65	100	20
	Acetophenone	50	50.3	ug/L	101	12			60	104	20
	3+4-Methylphenols	50	52.3	ug/L	105	12			67	106	20
	N-Nitroso-di-n-propylamine	50	51	ug/L	102	11			57	107	20
	Hexachloroethane	50	50.5	ug/L	101	12			76	118	20
	Nitrobenzene	50	48.7	ug/L	97	11			58	106	20
	Isophorone	50	50.8	ug/L	102	11			61	102	20
	2-Nitrophenol	50	54.4	ug/L	109	12			70	115	20
	2,4-Dimethylphenol	50	62.2	ug/L	124	9			42	142	20
	bis(2-Chloroethoxy)methane	50	50.4	ug/L	101	10			58	109	20
	2,4-Dichlorophenol	50	52.5	ug/L	105	11			66	115	20
	1,2,4-Trichlorobenzene	50	48.7	ug/L	97	11			41	115	20
	Benzoic acid	50	49.2	ug/L	98	7			10	125	20
	Naphthalene	50	50.6	ug/L	101	12			64	107	20
	4-Chloroaniline	50	21.3	ug/L	43	14			10	85	20
	Hexachlorobutadiene	50	48.4	ug/L	97	12			69	101	20
	Caprolactam	50	48.5	ug/L	97	1			58	128	20
	4-Chloro-3-methylphenol	50	50.5	ug/L	101	9			65	114	20
	2-Methylnaphthalene	50	50.1	ug/L	100	11			64	107	20
	Hexachlorocyclopentadiene	100	190	ug/L	190	11	*		36	160	20
	2,4,6-Trichlorophenol	50	50.8	ug/L	102	10			61	110	20
	2,4,5-Trichlorophenol	50	50.2	ug/L	100	9			70	106	20
	1,1-Biphenyl	50	49.8	ug/L	100	10	*		72	98	20
	2-Chloronaphthalene	50	49.8	ug/L	100	11			59	106	20
	2-Nitroaniline	50	52.4	ug/L	105	11			73	114	20
	Dimethylphthalate	50	51.4	ug/L	103	10			64	103	20
	Acenaphthylene	50	54	ug/L	108	11	*		79	103	20
	2,6-Dinitrotoluene	50	49.5	ug/L	99	9			64	110	20
	3-Nitroaniline	50	31.5	ug/L	63	11			28	100	20
	Acenaphthene	50	55.9	ug/L	112	10			59	113	20
	Total PAH	800	867.2	ug/L	108	10			59	113	20
	2,4-Dinitrophenol	100	110	ug/L	110	10			36	166	20
	4-Nitrophenol	100	96.6	ug/L	97	7			45	147	20
	Dibenzofuran	50	51.1	ug/L	102	11			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	100.2	ug/L	100	8			60	115	20
	2,4-Dinitrotoluene	50	50.7	ug/L	101	8			60	115	20
	Diethylphthalate	50	49.5	ug/L	99	8			63	105	20
	4-Chlorophenyl-phenylether	50	49.1	ug/L	98	12			61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB163987BSD	Fluorene	50	50	ug/L	100	10			64	107	20
	4-Nitroaniline	50	50	ug/L	100	7			55	125	20
	4,6-Dinitro-2-methylphenol	50	54.6	ug/L	109	8			62	132	20
	N-Nitrosodiphenylamine	50	52.1	ug/L	104	9			61	109	20
	Azobenzene	50	50.2	ug/L	100	9			59	106	20
	4-Bromophenyl-phenylether	50	50.1	ug/L	100	8			73	103	20
	Hexachlorobenzene	50	51.1	ug/L	102	10			73	106	20
	Atrazine	50	62	ug/L	124	7	*		76	120	20
	Pentachlorophenol	100	93.4	ug/L	93	8			47	114	20
	Phenanthrene	50	52.5	ug/L	105	9			62	109	20
	Anthracene	50	54.5	ug/L	109	9			65	110	20
	Carbazole	50	51	ug/L	102	9			62	106	20
	Di-n-butylphthalate	50	50.4	ug/L	101	7			64	106	20
	Fluoranthene	50	49.4	ug/L	99	8			64	110	20
	Benzidine	100	91.5	ug/L	92	8			10	94	20
	Pyrene	50	56.9	ug/L	114	12	*		71	103	20
	Butylbenzylphthalate	50	54.7	ug/L	109	8	*		61	105	20
	3,3-Dichlorobenzidine	50	38	ug/L	76	14			43	108	20
	Benzo(a)anthracene	50	54.2	ug/L	108	11	*		62	107	20
	Chrysene	50	54.4	ug/L	109	12	*		61	108	20
	bis(2-Ethylhexyl)phthalate	50	54.3	ug/L	109	7			59	110	20
	Di-n-octyl phthalate	50	55.4	ug/L	111	9			52	139	20
	Benzo(b)fluoranthene	50	48.2	ug/L	96	7			77	113	20
	Benzo(k)fluoranthene	50	52.3	ug/L	105	8			77	105	20
	Benzo(a)pyrene	50	56.7	ug/L	113	9			72	131	20
	Indeno(1,2,3-cd)pyrene	50	61.6	ug/L	123	10	*		72	105	20
	Dibenz(a,h)anthracene	50	59.6	ug/L	119	7	*		78	115	20
	Benzo(g,h,i)perylene	50	56.4	ug/L	113	9			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	50.6	ug/L	101	11			72	101	20
	1,4-Dioxane	50	45.3	ug/L	91	12			38	125	20
	2,3,4,6-Tetrachlorophenol	50	52	ug/L	104	6			63	116	20
	1-Methylnaphthalene	50	47.9	ug/L	96	11			51	114	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163947BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF100924

SAS No.: BF100924 SDG NO.: BF100924

Lab File ID: BF139715.D

Lab Sample ID: PB163947BL

Instrument ID: BNA_F

Date Extracted: 10/07/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/09/2024

Level: (low/med) LOW

Time Analyzed: 11:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163947BS	PB163947BS	BF139716.D	10/09/2024
IB-6	P4321-01	BF139727.D	10/09/2024
IB-6MS	P4321-01MS	BF139728.D	10/09/2024
IB-6MSD	P4321-01MSD	BF139729.D	10/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163970BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF100924

SAS No.: BF100924 SDG NO.: BF100924

Lab File ID: BF139713.D

Lab Sample ID: PB163970BL

Instrument ID: BNA_F

Date Extracted: 10/08/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/09/2024

Level: (low/med) LOW

Time Analyzed: 10:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163970BS	PB163970BS	BF139714.D	10/09/2024
1B-3	P4340-05	BF139721.D	10/09/2024
1B-3MS	P4340-05MS	BF139722.D	10/09/2024
1B-3MSD	P4340-05MSD	BF139723.D	10/09/2024
EO-03-100724	P4343-01	BF139724.D	10/09/2024
TR-05-100724	P4344-01	BF139725.D	10/09/2024
1B-7	P4340-01	BF139726.D	10/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163987BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF100924

SAS No.: BF100924 SDG NO.: BF100924

Lab File ID: BF139719.D

Lab Sample ID: PB163987BL

Instrument ID: BNA_F

Date Extracted: 10/08/2024

Matrix: (soil/water) Water

Date Analyzed: 10/09/2024

Level: (low/med) LOW

Time Analyzed: 13:36

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PORT-ELIZABETH-1201	P4342-01	BF139720.D	10/09/2024
PB163987BS	PB163987BS	BF139717.D	10/09/2024
PB163987BSD	PB163987BSD	BF139718.D	10/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

CONCRETE-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF100924

SAS No.: BF100924 SDG NO.: BF100924

Lab File ID: BF139730.D

Lab Sample ID: P4356-01

Instrument ID: BNA_F

Date Extracted: 10/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/09/2024

Level: (low/med) LOW

Time Analyzed: 18:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
CONCRETE-1	P4356-01	BF139730.D	10/09/2024
CONCRETE-2	P4356-03	BF139731.D	10/09/2024
EXCAVATION-SOIL	P4359-01	BF139732.D	10/09/2024
EXCAVATION-SOILMS	P4359-01MS	BF139733.D	10/09/2024
EXCAVATION-SOILMSD	P4359-01MSD	BF139734.D	10/09/2024
CF-400-COMP-43	P4353-01	BF139735.D	10/09/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4340-05MS		Client Sample ID: 1B-3MS		DataFile: BF139722.D							
n-Nitrosodimethylamine	1200		1100	ug/Kg	92				66	124	
Pyridine	1200		1100	ug/Kg	92				45	119	
Benzaldehyde	1200		530	ug/Kg	44				10	86	
Aniline	1200		790	ug/Kg	66				10	88	
Phenol	1200		1200	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				54	125	
2-Chlorophenol	1200		1200	ug/Kg	100				79	107	
1,2-Dichlorobenzene	1200		1100	ug/Kg	92				61	105	
1,3-Dichlorobenzene	1200		1100	ug/Kg	92				62	101	
1,4-Dichlorobenzene	1200		1100	ug/Kg	92				63	104	
Benzyl Alcohol	1200		1100	ug/Kg	92				47	126	
2-Methylphenol	1200		1100	ug/Kg	92				66	122	
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92				65	110	
Acetophenone	1200		1100	ug/Kg	92				75	111	
3+4-Methylphenols	1200		1100	ug/Kg	92				66	104	
N-Nitroso-di-n-propylamine	1200		1100	ug/Kg	92				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		1000	ug/Kg	83				70	119	
Isophorone	1200		1100	ug/Kg	92				76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		1400	ug/Kg	117				44	135	
bis(2-Chloroethoxy)methane	1200		1100	ug/Kg	92				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83				57	103	
Benzoic acid	1200		870	ug/Kg	73				50	104	
Naphthalene	1200		1100	ug/Kg	92				72	110	
4-Chloroaniline	1200		200	ug/Kg	17				10	91	
Hexachlorobutadiene	1200		1000	ug/Kg	83				66	114	
Caprolactam	1200		1100	ug/Kg	92				51	134	
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200		1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2300		3600	ug/Kg	157				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
1,1-Biphenyl	1200		1100	ug/Kg	92				75	113	
2-Chloronaphthalene	1200		1100	ug/Kg	92				67	118	
2-Nitroaniline	1200		1100	ug/Kg	92				69	127	
Dimethylphthalate	1200		1100	ug/Kg	92				70	113	
Acenaphthylene	1200		1200	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1200		1100	ug/Kg	92				70	125	
3-Nitroaniline	1200		560	ug/Kg	47				30	99	
Acenaphthene	1200		1200	ug/Kg	100				70	121	
Total PAH	19200		18500	ug/Kg	96				70	121	
2,4-Dinitrophenol	2300		1900	ug/Kg	83				10	155	
4-Nitrophenol	2300		2100	ug/Kg	91				45	133	
Dibenzofuran	1200		1100	ug/Kg	92				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1100	ug/Kg	92				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2200	ug/Kg	92				55	128	
Diethylphthalate	1200		1100	ug/Kg	92				70	112	
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92				71	108	
Fluorene	1200		1100	ug/Kg	92				68	116	
4-Nitroaniline	1200		1100	ug/Kg	92				55	120	
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		1300	ug/Kg	108				73	110	
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200		1100	ug/Kg	92				67	118	
Atrazine	1200		1400	ug/Kg	117				79	127	
Pentachlorophenol	2300		1900	ug/Kg	83				47	128	
Phenanthrene	1200		1100	ug/Kg	92				52	128	
Anthracene	1200		1200	ug/Kg	100				62	124	
Carbazole	1200		1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200		1100	ug/Kg	92				69	118	
Fluoranthene	1200		1100	ug/Kg	92				44	125	
Benzydine	2300		1400	ug/Kg	61				10	119	
Pyrene	1200		1200	ug/Kg	100				26	142	
Butylbenzylphthalate	1200		1300	ug/Kg	108				64	126	
3,3-Dichlorobenzidine	1200		710	ug/Kg	59				33	116	
Benzo(a)anthracene	1200		1200	ug/Kg	100				71	114	
Chrysene	1200		1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1200		1300	ug/Kg	108				42	169	
Di-n-octyl phthalate	1200		1300	ug/Kg	108				23	175	
Benzo(b)fluoranthene	1200		1000	ug/Kg	83				67	121	
Benzo(k)fluoranthene	1200		1000	ug/Kg	83				57	134	
Benzo(a)pyrene	1200		1200	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1200		1300	ug/Kg	108				40	129	
Dibenz(a,h)anthracene	1200		1300	ug/Kg	108				43	123	
Benzo(g,h,i)perylene	1200		1200	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	1200		1100	ug/Kg	92				69	124	
1,4-Dioxane	1200		1100	ug/Kg	92				46	112	
2,3,4,6-Tetrachlorophenol	1200		1100	ug/Kg	92				69	112	
1-Methylnaphthalene	1200		1000	ug/Kg	83				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4340-05MSD		Client Sample ID: 1B-3MSD		DataFile: BF139723.D							
n-Nitrosodimethylamine	1200		1100	ug/Kg	92		0		66	124	20
Pyridine	1200		1100	ug/Kg	92		0		45	119	20
Benzaldehyde	1200		530	ug/Kg	44		0		10	86	20
Aniline	1200		830	ug/Kg	69		4		10	88	20
Phenol	1200		1200	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92		0		54	125	20
2-Chlorophenol	1200		1200	ug/Kg	100		0		79	107	20
1,2-Dichlorobenzene	1200		1100	ug/Kg	92		0		61	105	20
1,3-Dichlorobenzene	1200		1100	ug/Kg	92		0		62	101	20
1,4-Dichlorobenzene	1200		1100	ug/Kg	92		0		63	104	20
Benzyl Alcohol	1200		1200	ug/Kg	100		8		47	126	20
2-Methylphenol	1200		1200	ug/Kg	100		8		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92		0		65	110	20
Acetophenone	1200		1100	ug/Kg	92		0		75	111	20
3+4-Methylphenols	1200		1100	ug/Kg	92		0		66	104	20
N-Nitroso-di-n-propylamine	1200		1100	ug/Kg	92		0		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		0		65	117	20
Nitrobenzene	1200		1100	ug/Kg	92		10		70	119	20
Isophorone	1200		1100	ug/Kg	92		0		76	122	20
2-Nitrophenol	1200		1200	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1200		1400	ug/Kg	117		0		44	135	20
bis(2-Chloroethoxy)methane	1200		1100	ug/Kg	92		0		68	112	20
2,4-Dichlorophenol	1200		1100	ug/Kg	92		0		72	118	20
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92		10		57	103	20
Benzoic acid	1200		900	ug/Kg	75		3		50	104	20
Naphthalene	1200		1100	ug/Kg	92		0		72	110	20
4-Chloroaniline	1200		230	ug/Kg	19		11		10	91	20
Hexachlorobutadiene	1200		1100	ug/Kg	92		10		66	114	20
Caprolactam	1200		1200	ug/Kg	100		8		51	134	20
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92		0		57	132	20
2-Methylnaphthalene	1200		1100	ug/Kg	92		0		59	123	20
Hexachlorocyclopentadiene	2300		3800	ug/Kg	165		5		10	175	20
2,4,6-Trichlorophenol	1200		1200	ug/Kg	100		8		72	117	20
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92		0		72	117	20
1,1-Biphenyl	1200		1100	ug/Kg	92		0		75	113	20
2-Chloronaphthalene	1200		1100	ug/Kg	92		0		67	118	20
2-Nitroaniline	1200		1200	ug/Kg	100		8		69	127	20
Dimethylphthalate	1200		1200	ug/Kg	100		8		70	113	20
Acenaphthylene	1200		1200	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1200		1100	ug/Kg	92		0		70	125	20
3-Nitroaniline	1200		570	ug/Kg	48		2		30	99	20
Acenaphthene	1200		1200	ug/Kg	100		0		70	121	20
Total PAH	19200		19200	ug/Kg	100		4		70	121	20
2,4-Dinitrophenol	2300		2000	ug/Kg	87		5		10	155	20
4-Nitrophenol	2300		2200	ug/Kg	96		5		45	133	20
Dibenzofuran	1200		1200	ug/Kg	100		8		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		1200	ug/Kg	100		8		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2300	ug/Kg	96		4		55	128	20
Diethylphthalate	1200		1100	ug/Kg	92		0		70	112	20
4-Chlorophenyl-phenylether	1200		1100	ug/Kg	92		0		71	108	20
Fluorene	1200		1200	ug/Kg	100		8		68	116	20
4-Nitroaniline	1200		1100	ug/Kg	92		0		55	120	20
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92		0		10	160	20
N-Nitrosodiphenylamine	1200		1200	ug/Kg	100		8		73	118	20
Azobenzene	1200		1400	ug/Kg	117	*	8		73	110	20
4-Bromophenyl-phenylether	1200		1200	ug/Kg	100		8		65	121	20
Hexachlorobenzene	1200		1200	ug/Kg	100		8		67	118	20
Atrazine	1200		1400	ug/Kg	117		0		79	127	20
Pentachlorophenol	2300		2000	ug/Kg	87		5		47	128	20
Phenanthrene	1200		1200	ug/Kg	100		8		52	128	20
Anthracene	1200		1200	ug/Kg	100		0		62	124	20
Carbazole	1200		1200	ug/Kg	100		8		59	119	20
Di-n-butylphthalate	1200		1200	ug/Kg	100		8		69	118	20
Fluoranthene	1200		1100	ug/Kg	92		0		44	125	20
Benzydine	2300		1600	ug/Kg	70		14		10	119	20
Pyrene	1200		1200	ug/Kg	100		0		26	142	20
Butylbenzylphthalate	1200		1300	ug/Kg	108		0		64	126	20
3,3-Dichlorobenzidine	1200		760	ug/Kg	63		7		33	116	20
Benzo(a)anthracene	1200		1200	ug/Kg	100		0		71	114	20
Chrysene	1200		1200	ug/Kg	100		8		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1400	ug/Kg	117		8		42	169	20
Di-n-octyl phthalate	1200		1300	ug/Kg	108		0		23	175	20
Benzo(b)fluoranthene	1200		1000	ug/Kg	83		0		67	121	20
Benzo(k)fluoranthene	1200		1100	ug/Kg	92		10		57	134	20
Benzo(a)pyrene	1200		1200	ug/Kg	100		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1400	ug/Kg	117		8		40	129	20
Dibenz(a,h)anthracene	1200		1400	ug/Kg	117		8		43	123	20
Benzo(g,h,i)perylene	1200		1300	ug/Kg	108		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100		8		69	124	20
1,4-Dioxane	1200		1100	ug/Kg	92		0		46	112	20
2,3,4,6-Tetrachlorophenol	1200		1200	ug/Kg	100		8		69	112	20
1-Methylnaphthalene	1200		1100	ug/Kg	92		10		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4359-01MS		Client Sample ID: EXCAVATION-SOILMS		DataFile: BF139733.D							
n-Nitrosodimethylamine	1100		1000	ug/Kg	91				66	124	
Pyridine	1100		1000	ug/Kg	91				45	119	
Benzaldehyde	1100		490	ug/Kg	45				10	86	
Aniline	1100		570	ug/Kg	52				10	88	
Phenol	1100		1000	ug/Kg	91				67	126	
bis(2-Chloroethyl)ether	1100		980	ug/Kg	89				54	125	
2-Chlorophenol	1100		1100	ug/Kg	100				79	107	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		990	ug/Kg	90				63	104	
Benzyl Alcohol	1100		1000	ug/Kg	91				47	126	
2-Methylphenol	1100		1000	ug/Kg	91				66	122	
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91				65	110	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		1000	ug/Kg	91				66	104	
N-Nitroso-di-n-propylamine	1100		990	ug/Kg	90				59	119	
Hexachloroethane	1100		860	ug/Kg	78				65	117	
Nitrobenzene	1100		990	ug/Kg	90				70	119	
Isophorone	1100		1000	ug/Kg	91				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		1300	ug/Kg	118				44	135	
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		980	ug/Kg	89				57	103	
Benzoic acid	1100		780	ug/Kg	71				50	104	
Naphthalene	1100		1000	ug/Kg	91				72	110	
4-Chloroaniline	1100		170	ug/Kg	15				10	91	
Hexachlorobutadiene	1100		980	ug/Kg	89				66	114	
Caprolactam	1100		1000	ug/Kg	91				51	134	
4-Chloro-3-methylphenol	1100		970	ug/Kg	88				57	132	
2-Methylnaphthalene	1100		990	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	2200		540	ug/Kg	25				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
1,1-Biphenyl	1100		1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		1100	ug/Kg	100				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		960	ug/Kg	87				70	125	
3-Nitroaniline	1100		630	ug/Kg	57				30	99	
Acenaphthene	1100		980	ug/Kg	89				70	121	
Total PAH	17600	0	16500	ug/Kg	94				70	121	
2,4-Dinitrophenol	2200		480	ug/Kg	22				10	155	
4-Nitrophenol	2200		1700	ug/Kg	77				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1860	ug/Kg	85				55	128	
2,4-Dinitrotoluene	1100		900	ug/Kg	82				55	128	
Diethylphthalate	1100		1000	ug/Kg	91				70	112	
4-Chlorophenyl-phenylether	1100		960	ug/Kg	87				71	108	
Fluorene	1100		950	ug/Kg	86				68	116	
4-Nitroaniline	1100		760	ug/Kg	69				55	120	
4,6-Dinitro-2-methylphenol	1100		380	ug/Kg	35				10	160	
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109				73	118	
Azobenzene	1100		1200	ug/Kg	109				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		1300	ug/Kg	118				79	127	
Pentachlorophenol	2200		1800	ug/Kg	82				47	128	
Phenanthrene	1100	56.8	1100	ug/Kg	95				52	128	
Anthracene	1100		1100	ug/Kg	100				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1100	ug/Kg	100				69	118	
Fluoranthene	1100	140	1100	ug/Kg	87				44	125	
Benztidine	2200		2000	ug/Kg	91				10	119	
Pyrene	1100	110	920	ug/Kg	74				26	142	
Butylbenzylphthalate	1100		990	ug/Kg	90				64	126	
3,3-Dichlorobenzidine	1100		1000	ug/Kg	91				33	116	
Benzo(a)anthracene	1100	100	1200	ug/Kg	100				71	114	
Chrysene	1100	88.8	1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100				42	169	
Di-n-octyl phthalate	1100		1300	ug/Kg	118				23	175	
Benzo(b)fluoranthene	1100	140	1100	ug/Kg	87				67	121	
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109				57	134	
Benzo(a)pyrene	1100	110	1200	ug/Kg	99				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	850	ug/Kg	77				40	129	
Dibenz(a,h)anthracene	1100		850	ug/Kg	77				43	123	
Benzo(g,h,i)perylene	1100	58.5	750	ug/Kg	63				24	125	
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100				69	124	
1,4-Dioxane	1100		980	ug/Kg	89				46	112	
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86				69	112	
1-Methylnaphthalene	1100		940	ug/Kg	85				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4359-01MSD		Client Sample ID: EXCAVATION-SOILMSD		DataFile: BF139734.D							
n-Nitrosodimethylamine	1100		1000	ug/Kg	91		0		66	124	20
Pyridine	1100		1000	ug/Kg	91		0		45	119	20
Benzaldehyde	1100		490	ug/Kg	45		0		10	86	20
Aniline	1100		590	ug/Kg	54		4		10	88	20
Phenol	1100		1100	ug/Kg	100		9		67	126	20
bis(2-Chloroethyl)ether	1100		990	ug/Kg	90		1		54	125	20
2-Chlorophenol	1100		1100	ug/Kg	100		0		79	107	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		0		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		0		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		1		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		9		47	126	20
2-Methylphenol	1100		1000	ug/Kg	91		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		0		65	110	20
Acetophenone	1100		1000	ug/Kg	91		0		75	111	20
3+4-Methylphenols	1100		1100	ug/Kg	100		9		66	104	20
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91		1		59	119	20
Hexachloroethane	1100		870	ug/Kg	79		1		65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		1		70	119	20
Isophorone	1100		1000	ug/Kg	91		0		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		9		54	145	20
2,4-Dimethylphenol	1100		1300	ug/Kg	118		0		44	135	20
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91		0		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		9		72	118	20
1,2,4-Trichlorobenzene	1100		990	ug/Kg	90		1		57	103	20
Benzoic acid	1100		800	ug/Kg	73		3		50	104	20
Naphthalene	1100		1000	ug/Kg	91		0		72	110	20
4-Chloroaniline	1100		190	ug/Kg	17		13		10	91	20
Hexachlorobutadiene	1100		970	ug/Kg	88		1		66	114	20
Caprolactam	1100		1000	ug/Kg	91		0		51	134	20
4-Chloro-3-methylphenol	1100		990	ug/Kg	90		2		57	132	20
2-Methylnaphthalene	1100		1000	ug/Kg	91		1		59	123	20
Hexachlorocyclopentadiene	2200		550	ug/Kg	25		0		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		0		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		9		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		0		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		0		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1100		1000	ug/Kg	91		4		70	125	20
3-Nitroaniline	1100		650	ug/Kg	59		3		30	99	20
Acenaphthene	1100		1000	ug/Kg	91		2		70	121	20
Total PAH	17600	0	16860	ug/Kg	96		2		70	121	20
2,4-Dinitrophenol	2200		510	ug/Kg	23		4		10	155	20
4-Nitrophenol	2200		1800	ug/Kg	82		6		45	133	20
Dibenzofuran	1100		1000	ug/Kg	91		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1950	ug/Kg	89		5		55	128	20
2,4-Dinitrotoluene	1100		950	ug/Kg	86		5		55	128	20
Diethylphthalate	1100		1100	ug/Kg	100		9		70	112	20
4-Chlorophenyl-phenylether	1100		980	ug/Kg	89		2		71	108	20
Fluorene	1100		990	ug/Kg	90		5		68	116	20
4-Nitroaniline	1100		780	ug/Kg	71		3		55	120	20
4,6-Dinitro-2-methylphenol	1100		390	ug/Kg	35		0		10	160	20
N-Nitrosodiphenylamine	1100		1300	ug/Kg	118		8		73	118	20
Azobenzene	1100		1200	ug/Kg	109		0		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		9		67	118	20
Atrazine	1100		1400	ug/Kg	127		7		79	127	20
Pentachlorophenol	2200		1800	ug/Kg	82		0		47	128	20
Phenanthrene	1100	56.8	1100	ug/Kg	95		0		52	128	20
Anthracene	1100		1100	ug/Kg	100		0		62	124	20
Carbazole	1100		1100	ug/Kg	100		9		59	119	20
Di-n-butylphthalate	1100		1200	ug/Kg	109		9		69	118	20
Fluoranthene	1100	140	1100	ug/Kg	87		0		44	125	20
Benzydine	2200		2200	ug/Kg	100		9		10	119	20
Pyrene	1100	110	950	ug/Kg	76		3		26	142	20
Butylbenzylphthalate	1100		1000	ug/Kg	91		1		64	126	20
3,3-Dichlorobenzidine	1100		1100	ug/Kg	100		9		33	116	20
Benzo(a)anthracene	1100	100	1200	ug/Kg	100		0		71	114	20
Chrysene	1100	88.8	1200	ug/Kg	101		9		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1200	ug/Kg	109		9		42	169	20
Di-n-octyl phthalate	1100		1400	ug/Kg	127		7		23	175	20
Benzo(b)fluoranthene	1100	140	1100	ug/Kg	87		0		67	121	20
Benzo(k)fluoranthene	1100	0	1300	ug/Kg	118		8		57	134	20
Benzo(a)pyrene	1100	110	1200	ug/Kg	99		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	880	ug/Kg	80		4		40	129	20
Dibenz(a,h)anthracene	1100		850	ug/Kg	77		0		43	123	20
Benzo(g,h,i)perylene	1100	58.5	790	ug/Kg	67		6		24	125	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		0		69	124	20
1,4-Dioxane	1100		970	ug/Kg	88		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91		6		69	112	20
1-Methylnaphthalene	1100		950	ug/Kg	86		1		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4321-01MS		Client Sample ID: IB-6MS		DataFile: BF139728.D							
n-Nitrosodimethylamine	1700		1600	ug/Kg	94				66	124	
Pyridine	1700		1600	ug/Kg	94				45	119	
Benzaldehyde	1700		850	ug/Kg	50				10	86	
Aniline	1700		1100	ug/Kg	65				10	88	
Phenol	1700		1700	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1700		1600	ug/Kg	94				54	125	
2-Chlorophenol	1700		1700	ug/Kg	100				79	107	
1,2-Dichlorobenzene	1700		1600	ug/Kg	94				61	105	
1,3-Dichlorobenzene	1700		1600	ug/Kg	94				62	101	
1,4-Dichlorobenzene	1700		1600	ug/Kg	94				63	104	
Benzyl Alcohol	1700		1700	ug/Kg	100				47	126	
2-Methylphenol	1700		1600	ug/Kg	94				66	122	
2,2-oxybis(1-Chloropropane)	1700		1600	ug/Kg	94				65	110	
Acetophenone	1700		1700	ug/Kg	100				75	111	
3+4-Methylphenols	1700		1700	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1700		1600	ug/Kg	94				59	119	
Hexachloroethane	1700		1500	ug/Kg	88				65	117	
Nitrobenzene	1700		1600	ug/Kg	94				70	119	
Isophorone	1700		1700	ug/Kg	100				76	122	
2-Nitrophenol	1700		1700	ug/Kg	100				54	145	
2,4-Dimethylphenol	1700		2100	ug/Kg	124				44	135	
bis(2-Chloroethoxy)methane	1700		1700	ug/Kg	100				68	112	
2,4-Dichlorophenol	1700		1700	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1700		1600	ug/Kg	94				57	103	
Benzoic acid	1700		1400	ug/Kg	82				50	104	
Naphthalene	1700		1600	ug/Kg	94				72	110	
4-Chloroaniline	1700		350	ug/Kg	21				10	91	
Hexachlorobutadiene	1700		1600	ug/Kg	94				66	114	
Caprolactam	1700		1700	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1700		1600	ug/Kg	94				57	132	
2-Methylnaphthalene	1700		1600	ug/Kg	94				59	123	
Hexachlorocyclopentadiene	3400		1000	ug/Kg	29				10	175	
2,4,6-Trichlorophenol	1700		1700	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1700		1700	ug/Kg	100				72	117	
1,1-Biphenyl	1700		1700	ug/Kg	100				75	113	
2-Chloronaphthalene	1700		1700	ug/Kg	100				67	118	
2-Nitroaniline	1700		1800	ug/Kg	106				69	127	
Dimethylphthalate	1700		1800	ug/Kg	106				70	113	
Acenaphthylene	1700		1800	ug/Kg	106				79	118	
2,6-Dinitrotoluene	1700		1600	ug/Kg	94				70	125	
3-Nitroaniline	1700		1200	ug/Kg	71				30	99	
Acenaphthene	1700		1600	ug/Kg	94				70	121	
Total PAH	27200	3070	28200	ug/Kg	104				70	121	
2,4-Dinitrophenol	3400		1000	ug/Kg	29				10	155	
4-Nitrophenol	3400		3000	ug/Kg	88				45	133	
Dibenzofuran	1700		1700	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3400		3200	ug/Kg	94				55	128	
2,4-Dinitrotoluene	1700		1600	ug/Kg	94				55	128	
Diethylphthalate	1700		1700	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1700		1600	ug/Kg	94				71	108	
Fluorene	1700		1600	ug/Kg	94				68	116	
4-Nitroaniline	1700		1400	ug/Kg	82				55	120	
4,6-Dinitro-2-methylphenol	1700		760	ug/Kg	45				10	160	
N-Nitrosodiphenylamine	1700		1900	ug/Kg	112				73	118	
Azobenzene	1700		1900	ug/Kg	112	*			73	110	
4-Bromophenyl-phenylether	1700		1800	ug/Kg	106				65	121	
Hexachlorobenzene	1700		1700	ug/Kg	100				67	118	
Atrazine	1700		2200	ug/Kg	129	*			79	127	
Pentachlorophenol	3400		3000	ug/Kg	88				47	128	
Phenanthrene	1700	340	2000	ug/Kg	98				52	128	
Anthracene	1700		1800	ug/Kg	106				62	124	
Carbazole	1700		1700	ug/Kg	100				59	119	
Di-n-butylphthalate	1700		1800	ug/Kg	106				69	118	
Fluoranthene	1700	540	2000	ug/Kg	86				44	125	
Benzydine	3400		1800	ug/Kg	53				10	119	
Pyrene	1700	430	1800	ug/Kg	81				26	142	
Butylbenzylphthalate	1700		1700	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1700		1500	ug/Kg	88				33	116	
Benzo(a)anthracene	1700	340	2000	ug/Kg	98				71	114	
Chrysene	1700	290	2000	ug/Kg	101				57	121	
bis(2-Ethylhexyl)phthalate	1700		1900	ug/Kg	112				42	169	
Di-n-octyl phthalate	1700		2100	ug/Kg	124				23	175	
Benzo(b)fluoranthene	1700	350	2200	ug/Kg	109				67	121	
Benzo(k)fluoranthene	1700	180	1800	ug/Kg	95				57	134	
Benzo(a)pyrene	1700	340	2100	ug/Kg	104				70	142	
Indeno(1,2,3-cd)pyrene	1700	120	1400	ug/Kg	75				40	129	
Dibenz(a,h)anthracene	1700		1300	ug/Kg	76				43	123	
Benzo(g,h,i)perylene	1700	140	1200	ug/Kg	62				24	125	
1,2,4,5-Tetrachlorobenzene	1700		1800	ug/Kg	106				69	124	
1,4-Dioxane	1700		1600	ug/Kg	94				46	112	
2,3,4,6-Tetrachlorophenol	1700		1600	ug/Kg	94				69	112	
1-Methylnaphthalene	1700		1500	ug/Kg	88				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4321-01MSD		Client Sample ID: IB-6MSD		DataFile: BF139729.D							
n-Nitrosodimethylamine	1700		1800	ug/Kg	106		12		66	124	20
Pyridine	1700		1800	ug/Kg	106		12		45	119	20
Benzaldehyde	1700		930	ug/Kg	55		10		10	86	20
Aniline	1700		1300	ug/Kg	76		16		10	88	20
Phenol	1700		1800	ug/Kg	106		6		67	126	20
bis(2-Chloroethyl)ether	1700		1700	ug/Kg	100		6		54	125	20
2-Chlorophenol	1700		1900	ug/Kg	112	*	11		79	107	20
1,2-Dichlorobenzene	1700		1800	ug/Kg	106	*	12		61	105	20
1,3-Dichlorobenzene	1700		1800	ug/Kg	106	*	12		62	101	20
1,4-Dichlorobenzene	1700		1800	ug/Kg	106	*	12		63	104	20
Benzyl Alcohol	1700		1800	ug/Kg	106		6		47	126	20
2-Methylphenol	1700		1800	ug/Kg	106		12		66	122	20
2,2-oxybis(1-Chloropropane)	1700		1800	ug/Kg	106		12		65	110	20
Acetophenone	1700		1800	ug/Kg	106		6		75	111	20
3+4-Methylphenols	1700		1800	ug/Kg	106	*	6		66	104	20
N-Nitroso-di-n-propylamine	1700		1700	ug/Kg	100		6		59	119	20
Hexachloroethane	1700		1600	ug/Kg	94		7		65	117	20
Nitrobenzene	1700		1800	ug/Kg	106		12		70	119	20
Isophorone	1700		1800	ug/Kg	106		6		76	122	20
2-Nitrophenol	1700		1900	ug/Kg	112		11		54	145	20
2,4-Dimethylphenol	1700		2300	ug/Kg	135		8		44	135	20
bis(2-Chloroethoxy)methane	1700		1800	ug/Kg	106		6		68	112	20
2,4-Dichlorophenol	1700		1800	ug/Kg	106		6		72	118	20
1,2,4-Trichlorobenzene	1700		1700	ug/Kg	100		6		57	103	20
Benzoic acid	1700		1500	ug/Kg	88		7		50	104	20
Naphthalene	1700		1800	ug/Kg	106		12		72	110	20
4-Chloroaniline	1700		470	ug/Kg	28		29	*	10	91	20
Hexachlorobutadiene	1700		1700	ug/Kg	100		6		66	114	20
Caprolactam	1700		1800	ug/Kg	106		6		51	134	20
4-Chloro-3-methylphenol	1700		1700	ug/Kg	100		6		57	132	20
2-Methylnaphthalene	1700		1700	ug/Kg	100		6		59	123	20
Hexachlorocyclopentadiene	3400		600	ug/Kg	18		47	*	10	175	20
2,4,6-Trichlorophenol	1700		1900	ug/Kg	112		11		72	117	20
2,4,5-Trichlorophenol	1700		1800	ug/Kg	106		6		72	117	20
1,1-Biphenyl	1700		1900	ug/Kg	112		11		75	113	20
2-Chloronaphthalene	1700		1800	ug/Kg	106		6		67	118	20
2-Nitroaniline	1700		1900	ug/Kg	112		6		69	127	20
Dimethylphthalate	1700		2000	ug/Kg	118	*	11		70	113	20
Acenaphthylene	1700		1900	ug/Kg	112		6		79	118	20
2,6-Dinitrotoluene	1700		1800	ug/Kg	106		12		70	125	20
3-Nitroaniline	1700		1300	ug/Kg	76		7		30	99	20
Acenaphthene	1700		1800	ug/Kg	106		12		70	121	20
Total PAH	27200	3070	31300	ug/Kg	115		10		70	121	20
2,4-Dinitrophenol	3400		850	ug/Kg	25		15		10	155	20
4-Nitrophenol	3400		3200	ug/Kg	94		7		45	133	20
Dibenzofuran	1700		1800	ug/Kg	106		6		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3400		3500	ug/Kg	103		9		55	128	20
2,4-Dinitrotoluene	1700		1700	ug/Kg	100		6		55	128	20
Diethylphthalate	1700		1800	ug/Kg	106		6		70	112	20
4-Chlorophenyl-phenylether	1700		1700	ug/Kg	100		6		71	108	20
Fluorene	1700		1700	ug/Kg	100		6		68	116	20
4-Nitroaniline	1700		1500	ug/Kg	88		7		55	120	20
4,6-Dinitro-2-methylphenol	1700		690	ug/Kg	41		9		10	160	20
N-Nitrosodiphenylamine	1700		2200	ug/Kg	129	*	14		73	118	20
Azobenzene	1700		2000	ug/Kg	118	*	5		73	110	20
4-Bromophenyl-phenylether	1700		2000	ug/Kg	118		11		65	121	20
Hexachlorobenzene	1700		1900	ug/Kg	112		11		67	118	20
Atrazine	1700		2400	ug/Kg	141	*	9		79	127	20
Pentachlorophenol	3400		3200	ug/Kg	94		7		47	128	20
Phenanthrene	1700	340	2200	ug/Kg	109		11		52	128	20
Anthracene	1700		2000	ug/Kg	118		11		62	124	20
Carbazole	1700		1900	ug/Kg	112		11		59	119	20
Di-n-butylphthalate	1700		2000	ug/Kg	118		11		69	118	20
Fluoranthene	1700	540	2300	ug/Kg	104		19		44	125	20
Benzidine	3400		2300	ug/Kg	68		25	*	10	119	20
Pyrene	1700	430	1900	ug/Kg	86		6		26	142	20
Butylbenzylphthalate	1700		1800	ug/Kg	106		6		64	126	20
3,3-Dichlorobenzidine	1700		1700	ug/Kg	100		13		33	116	20
Benzo(a)anthracene	1700	340	2200	ug/Kg	109		11		71	114	20
Chrysene	1700	290	2200	ug/Kg	112		10		57	121	20
bis(2-Ethylhexyl)phthalate	1700		2000	ug/Kg	118		5		42	169	20
Di-n-octyl phthalate	1700		2300	ug/Kg	135		8		23	175	20
Benzo(b)fluoranthene	1700	350	2400	ug/Kg	121		10		67	121	20
Benzo(k)fluoranthene	1700	180	2100	ug/Kg	113		17		57	134	20
Benzo(a)pyrene	1700	340	2300	ug/Kg	115		10		70	142	20
Indeno(1,2,3-cd)pyrene	1700	120	1600	ug/Kg	87		15		40	129	20
Dibenz(a,h)anthracene	1700		1500	ug/Kg	88		15		43	123	20
Benzo(g,h,i)perylene	1700	140	1400	ug/Kg	74		18		24	125	20
1,2,4,5-Tetrachlorobenzene	1700		2000	ug/Kg	118		11		69	124	20
1,4-Dioxane	1700		1800	ug/Kg	106		12		46	112	20
2,3,4,6-Tetrachlorophenol	1700		1700	ug/Kg	100		6		69	112	20
1-Methylnaphthalene	1700		1700	ug/Kg	100		13		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF100924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4321-01	IB-6	BF139727.D	2-Fluorophenol	150	82.45	55		18	112
			Phenol-d6	150	81.71	54		15	107
			Nitrobenzene-d5	100	57.44	57		18	107
			2-Fluorobiphenyl	100	55.20	55		20	109
			2,4,6-Tribromophenol	150	68.66	46		10	116
			Terphenyl-d14	100	38.87	39		10	105
P4321-01MS	IB-6MS	BF139728.D	2-Fluorophenol	150	83.17	55		18	112
			Phenol-d6	150	81.88	55		15	107
			Nitrobenzene-d5	100	58.34	58		18	107
			2-Fluorobiphenyl	100	54.73	55		20	109
			2,4,6-Tribromophenol	150	70.72	47		10	116
			Terphenyl-d14	100	40.48	40		10	105
P4321-01MSD	IB-6MSD	BF139729.D	2-Fluorophenol	150	91.69	61		18	112
			Phenol-d6	150	90.86	61		15	107
			Nitrobenzene-d5	100	63.92	64		18	107
			2-Fluorobiphenyl	100	61.39	61		20	109
			2,4,6-Tribromophenol	150	76.01	51		10	116
			Terphenyl-d14	100	42.95	43		10	105
PB163947BL	PB163947BL	BF139715.D	2-Fluorophenol	150	143.60	96		18	112
			Phenol-d6	150	138.56	92		15	107
			Nitrobenzene-d5	100	95.74	96		18	107
			2-Fluorobiphenyl	100	93.85	94		20	109
			2,4,6-Tribromophenol	150	137.72	92		10	116
			Terphenyl-d14	100	93.39	93		10	105
PB163947BS	PB163947BS	BF139716.D	2-Fluorophenol	150	134.07	89		18	112
			Phenol-d6	150	133.02	89		15	107
			Nitrobenzene-d5	100	88.60	89		18	107
			2-Fluorobiphenyl	100	87.07	87		20	109
			2,4,6-Tribromophenol	150	134.71	90		10	116
			Terphenyl-d14	100	101.31	101		10	105

Surrogate Summary

SW-846

SDG No.: **BF100924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4340-01	1B-7	BF139726.D	2-Fluorophenol	150	8.28	6	*	18	112
			Phenol-d6	150	43.73	29		15	107
			Nitrobenzene-d5	100	61.65	62		18	107
			2-Fluorobiphenyl	100	52.87	53		20	109
			2,4,6-Tribromophenol	150	2.62	2	*	10	116
			Terphenyl-d14	100	40.29	40		10	105
P4340-05	1B-3	BF139721.D	2-Fluorophenol	150	114.65	76		18	112
			Phenol-d6	150	112.86	75		15	107
			Nitrobenzene-d5	100	75.99	76		18	107
			2-Fluorobiphenyl	100	73.97	74		20	109
			2,4,6-Tribromophenol	150	106.01	71		10	116
			Terphenyl-d14	100	76.36	76		10	105
P4340-05MS	1B-3MS	BF139722.D	2-Fluorophenol	150	109.98	73		18	112
			Phenol-d6	150	108.99	73		15	107
			Nitrobenzene-d5	100	72.89	73		18	107
			2-Fluorobiphenyl	100	71.79	72		20	109
			2,4,6-Tribromophenol	150	104.78	70		10	116
			Terphenyl-d14	100	75.98	76		10	105
P4340-05MSD	1B-3MSD	BF139723.D	2-Fluorophenol	150	112.94	75		18	112
			Phenol-d6	150	110.74	74		15	107
			Nitrobenzene-d5	100	75.09	75		18	107
			2-Fluorobiphenyl	100	76.04	76		20	109
			2,4,6-Tribromophenol	150	108.84	73		10	116
			Terphenyl-d14	100	77.57	78		10	105
P4343-01	EO-03-100724	BF139724.D	2-Fluorophenol	150	28.60	19		18	112
			Phenol-d6	150	27.32	18		15	107
			Nitrobenzene-d5	100	18.46	18		18	107
			2-Fluorobiphenyl	100	21.04	21		20	109
			2,4,6-Tribromophenol	150	23.48	16		10	116
			Terphenyl-d14	100	17.39	17		10	105
P4344-01	TR-05-100724	BF139725.D	2-Fluorophenol	150	81.18	54		18	112
			Phenol-d6	150	80.52	54		15	107
			Nitrobenzene-d5	100	56.50	56		18	107
			2-Fluorobiphenyl	100	62.48	62		20	109
			2,4,6-Tribromophenol	150	66.96	45		10	116
			Terphenyl-d14	100	49.36	49		10	105
PB163970BL	PB163970BL	BF139713.D	2-Fluorophenol	150	118.82	79		18	112
			Phenol-d6	150	116.37	78		15	107
			Nitrobenzene-d5	100	79.51	80		18	107
			2-Fluorobiphenyl	100	77.33	77		20	109
			2,4,6-Tribromophenol	150	115.09	77		10	116
			Terphenyl-d14	100	78.88	79		10	105
PB163970BS	PB163970BS	BF139714.D	2-Fluorophenol	150	135.13	90		18	112
			Phenol-d6	150	133.89	89		15	107
			Nitrobenzene-d5	100	89.67	90		18	107
			2-Fluorobiphenyl	100	87.35	87		20	109
			2,4,6-Tribromophenol	150	131.43	88		10	116
			Terphenyl-d14	100	100.80	101		10	105

Surrogate Summary

SW-846

SDG No.: **BF100924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4342-01	PORT-ELIZABETH	BF139720.D	2-Fluorophenol	150	73.51	49		10	139
			Phenol-d6	150	51.13	34		10	134
			Nitrobenzene-d5	100	75.56	76		49	133
			2-Fluorobiphenyl	100	72.59	73		52	132
			2,4,6-Tribromophenol	150	102.04	68		44	137
			Terphenyl-d14	100	63.78	64		48	125
PB163987BL	PB163987BL	BF139719.D	2-Fluorophenol	150	138.41	92		10	139
			Phenol-d6	150	134.39	90		10	134
			Nitrobenzene-d5	100	89.13	89		49	133
			2-Fluorobiphenyl	100	88.23	88		52	132
			2,4,6-Tribromophenol	150	127.34	85		44	137
			Terphenyl-d14	100	93.84	94		48	125
PB163987BS	PB163987BS	BF139717.D	2-Fluorophenol	150	120.94	81		10	139
			Phenol-d6	150	119.46	80		10	134
			Nitrobenzene-d5	100	80.86	81		49	133
			2-Fluorobiphenyl	100	80.10	80		52	132
			2,4,6-Tribromophenol	150	118.89	79		44	137
			Terphenyl-d14	100	91.81	92		48	125
PB163987BSD	PB163987BSD	BF139718.D	2-Fluorophenol	150	139.61	93		10	139
			Phenol-d6	150	135.05	90		10	134
			Nitrobenzene-d5	100	90.51	91		49	133
			2-Fluorobiphenyl	100	89.64	90		52	132
			2,4,6-Tribromophenol	150	129.93	87		44	137
			Terphenyl-d14	100	103.27	103		48	125

Surrogate Summary

SW-846

SDG No.: **BF100924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4353-01	CF-400-COMP-43	BF139735.D	2-Fluorophenol	150	99.53	66		18	112
			Phenol-d6	150	95.63	64		15	107
			Nitrobenzene-d5	100	66.32	66		18	107
			2-Fluorobiphenyl	100	73.76	74		20	109
			2,4,6-Tribromophenol	150	78.28	52		10	116
			Terphenyl-d14	100	54.14	54		10	105
P4356-01	CONCRETE-1	BF139730.D	2-Fluorophenol	150	69.69	46		18	112
			Phenol-d6	150	83.38	56		15	107
			Nitrobenzene-d5	100	64.09	64		18	107
			2-Fluorobiphenyl	100	71.75	72		20	109
			2,4,6-Tribromophenol	150	41.17	27		10	116
			Terphenyl-d14	100	54.48	54		10	105
P4356-03	CONCRETE-2	BF139731.D	2-Fluorophenol	150	44.78	30		18	112
			Phenol-d6	150	64.50	43		15	107
			Nitrobenzene-d5	100	54.47	54		18	107
			2-Fluorobiphenyl	100	62.49	62		20	109
			2,4,6-Tribromophenol	150	25.50	17		10	116
			Terphenyl-d14	100	46.04	46		10	105
P4359-01	EXCAVATION-SOIBF139732.D		2-Fluorophenol	150	127.57	85		18	112
			Phenol-d6	150	125.85	84		15	107
			Nitrobenzene-d5	100	86.70	87		18	107
			2-Fluorobiphenyl	100	92.98	93		20	109
			2,4,6-Tribromophenol	150	102.87	69		10	116
			Terphenyl-d14	100	68.93	69		10	105
P4359-01MS	EXCAVATION-SOIBF139733.D		2-Fluorophenol	150	114.90	77		18	112
			Phenol-d6	150	112.90	75		15	107
			Nitrobenzene-d5	100	78.29	78		18	107
			2-Fluorobiphenyl	100	82.13	82		20	109
			2,4,6-Tribromophenol	150	91.83	61		10	116
			Terphenyl-d14	100	62.51	63		10	105
P4359-01MSD	EXCAVATION-SOIBF139734.D		2-Fluorophenol	150	117.32	78		18	112
			Phenol-d6	150	115.55	77		15	107
			Nitrobenzene-d5	100	77.90	78		18	107
			2-Fluorobiphenyl	100	82.54	83		20	109
			2,4,6-Tribromophenol	150	96.55	64		10	116
			Terphenyl-d14	100	65.87	66		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF100924

Lab Code: CHEM

SAS No.: BF100924

SDG NO.: BF100924

Lab File ID: BF139711.D

DFTPP Injection Date: 10/09/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.4
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	40.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.8
442	Greater than 50% of mass 198	86.1
443	15.0 - 24.0% of mass 442	16.8 (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	BF139712.D	10/09/2024	10:13
PB163970BL	PB163970BL	BF139713.D	10/09/2024	10:42
PB163970BS	PB163970BS	BF139714.D	10/09/2024	11:11
PB163947BL	PB163947BL	BF139715.D	10/09/2024	11:40
PB163947BS	PB163947BS	BF139716.D	10/09/2024	12:09
PB163987BS	PB163987BS	BF139717.D	10/09/2024	12:37
PB163987BSD	PB163987BSD	BF139718.D	10/09/2024	13:07
PB163987BL	PB163987BL	BF139719.D	10/09/2024	13:36
PORT-ELIZABETH-1201	P4342-01	BF139720.D	10/09/2024	14:08
1B-3	P4340-05	BF139721.D	10/09/2024	14:36
1B-3MS	P4340-05MS	BF139722.D	10/09/2024	15:05
1B-3MSD	P4340-05MSD	BF139723.D	10/09/2024	15:33
EO-03-100724	P4343-01	BF139724.D	10/09/2024	16:02
TR-05-100724	P4344-01	BF139725.D	10/09/2024	16:31
1B-7	P4340-01	BF139726.D	10/09/2024	17:00
IB-6	P4321-01	BF139727.D	10/09/2024	17:29
IB-6MS	P4321-01MS	BF139728.D	10/09/2024	17:59
IB-6MSD	P4321-01MSD	BF139729.D	10/09/2024	18:27

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF100924

Lab Code: CHEM

SAS No.: BF100924 SDG NO.: BF100924

Lab File ID: BF139711.D

DFTPP Injection Date: 10/09/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.4
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	40.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.8
442	Greater than 50% of mass 198	86.1
443	15.0 - 24.0% of mass 442	16.8 (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
CONCRETE-1	P4356-01	BF139730.D	10/09/2024	18:57
CONCRETE-2	P4356-03	BF139731.D	10/09/2024	19:26
EXCAVATION-SOIL	P4359-01	BF139732.D	10/09/2024	19:54
EXCAVATION-SOILMS	P4359-01MS	BF139733.D	10/09/2024	20:23
EXCAVATION-SOILMSD	P4359-01MSD	BF139734.D	10/09/2024	20:52
CF-400-COMP-43	P4353-01	BF139735.D	10/09/2024	21:21