

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF052924 SAS No.: BF052924 SDG No.: BF052924
Instrument ID: BNA_F Calibration Date/Time: 5/29/2024 11:55
Lab File ID: BF138054.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	0.505	0.473		-6.337	
Pyridine	1.144	1.174		2.622	
2-Fluorophenol	1.177	1.149		-2.379	
Benzaldehyde	0.785	0.831		5.86	
Aniline	1.297	1.406		8.404	
Phenol-d6	1.450	1.415		-2.414	
Phenol	1.464	1.452		-0.82	20.0
bis(2-Chloroethyl) ether	1.124	1.128		0.356	
2-Chlorophenol	1.274	1.274		0.0	
1,2-Dichlorobenzene	1.393	1.370		-1.651	
1,3-Dichlorobenzene	1.474	1.466		-0.543	
1,4-Dichlorobenzene	1.480	1.477		-0.203	20.0
Benzyl Alcohol	1.005	1.022		1.692	
2-Methylphenol	1.016	1.012		-0.394	
2,2-oxybis(1-Chloropropane)	1.382	1.399		1.23	
Acetophenone	0.448	0.449		0.223	
3+4-Methylphenols	1.331	1.327		-0.301	
n-Nitroso-di-n-propylamine	0.815	0.828	0.050	1.595	
Nitrobenzene-d5	0.340	0.341		0.294	
Hexachloroethane	0.501	0.508		1.397	
Nitrobenzene	0.345	0.350		1.449	
Isophorone	0.590	0.600		1.695	
2-Nitrophenol	0.173	0.188		8.671	20.0
2,4-Dimethylphenol	0.223	0.225		0.897	
bis(2-Chloroethoxy) methane	0.357	0.368		3.081	
2,4-Dichlorophenol	0.280	0.289		3.214	20.0
1,2,4-Trichlorobenzene	0.313	0.323		3.195	
Benzoic acid	0.189	0.209		10.582	
Naphthalene	1.006	1.010		0.398	
4-Chloroaniline	0.330	0.355		7.576	
Hexachlorobutadiene	0.198	0.204		3.03	20.0
Caprolactam	0.081	0.087		7.407	
4-Chloro-3-methylphenol	0.285	0.294		3.158	20.0
2-Methylnaphthalene	0.646	0.662		2.477	
Hexachlorocyclopentadiene	0.207	0.203	0.050	-1.932	
2,4,6-Trichlorophenol	0.357	0.370		3.641	20.0
2-Fluorobiphenyl	1.298	1.288		-0.77	
2,4,5-Trichlorophenol	0.390	0.408		4.615	
1,1-Biphenyl	1.403	1.421		1.283	

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Instrument ID: BNA_F Calibration Date/Time: 5/29/2024 11:55

Lab File ID: BF138054.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	1.120	1.129		0.804	
2-Nitroaniline	0.287	0.294		2.439	
Dimethylphthalate	1.254	1.302		3.828	
Acenaphthylene	1.610	1.636		1.615	
2,6-Dinitrotoluene	0.288	0.309		7.292	
3-Nitroaniline	0.281	0.298		6.05	
Acenaphthene	1.064	1.092		2.632	20.0
2,4-Dinitrophenol	0.129	0.146	0.050	13.178	
4-Nitrophenol	0.202	0.202	0.050	0.0	
Dibenzofuran	1.549	1.564		0.968	
2,4-Dinitrotoluene	0.372	0.407		9.409	
Diethylphthalate	1.171	1.241		5.978	
4-Chlorophenyl-phenylether	0.604	0.633		4.801	
Fluorene	1.225	1.246		1.714	
4-Nitroaniline	0.267	0.273		2.247	
4,6-Dinitro-2-methylphenol	0.115	0.128		11.304	
n-Nitrosodiphenylamine	0.613	0.614		0.163	20.0
Azobenzene	1.065	1.081		1.502	
2,4,6-Tribromophenol	0.202	0.215		6.436	
4-Bromophenyl-phenylether	0.219	0.228		4.11	
Hexachlorobenzene	0.242	0.249		2.893	
Atrazine	0.167	0.157		-5.988	
Pentachlorophenol	0.142	0.149		4.93	20.0
Phenanthrene	0.986	0.975		-1.116	
Anthracene	0.978	0.981		0.307	
Carbazole	0.893	0.884		-1.008	
Di-n-butylphthalate	0.991	1.079		8.88	
Fluoranthene	1.000	1.002		0.2	20.0
Benzidine	0.261	0.424		62.452	
Pyrene	1.749	1.761		0.686	
Terphenyl-d14	1.357	1.390		2.432	
Butylbenzylphthalate	0.528	0.628		18.939	
3,3-Dichlorobenzidine	0.351	0.414		17.949	
Benzo(a)anthracene	1.265	1.303		3.004	
Chrysene	1.210	1.228		1.488	
Bis(2-ethylhexyl)phthalate	0.663	0.774		16.742	
Di-n-octyl phthalate	0.896	1.191		32.924	20.0
Benzo(b)fluoranthene	1.158	1.186		2.418	
Benzo(k)fluoranthene	1.138	1.168		2.636	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF052924 SAS No.: BF052924 SDG No.: BF052924

Instrument ID: BNA_F Calibration Date/Time: 5/29/2024 11:55

Lab File ID: BF138054.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.989	1.041		5.258	20.0
Indeno(1,2,3-cd)pyrene	1.285	1.290		0.389	
Dibenzo(a,h)anthracene	1.062	1.056		-0.565	
Benzo(g,h,i)perylene	1.115	1.083		-2.87	
1,2,4,5-Tetrachlorobenzene	0.544	0.563		3.493	
1,4-Dioxane	0.510	0.487		-4.51	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.324		5.882	
1-Methylnaphthalene	0.635	0.644		1.417	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	PB161170BL	SDG No.:	BF052924
Lab Sample ID:	PB161170BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138055.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

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

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	PB161170BL	SDG No.:	BF052924
Lab Sample ID:	PB161170BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138055.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

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



Client:				Date Collected:	5/29/2024 12:00:00 AM	
Project:				Date Received:	5/29/2024 12:00:00 AM	
Client Sample ID:	PB161170BL			SDG No.:	BF052924	
Lab Sample ID:	PB161170BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138055.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.664		18-112		88	SPK: -150
13127-88-3	Phenol-d6	128.694		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	87.397		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	86.177		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	PB161170BL	SDG No.:	BF052924
Lab Sample ID:	PB161170BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138055.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.252		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	91.377		14-112		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	142998	7.034				
1146-65-2	Naphthalene-d8	567269	8.316				
15067-26-2	Acenaphthene-d10	331108	10.08				
1517-22-2	Phenanthrene-d10	557816	11.58				
1719-03-5	Chrysene-d12	318422	14.233				
1520-96-3	Perylene-d12	285543	15.804				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown2.134	7500	J			2.134	
000994-05-8	Butane, 2-methoxy-2-methyl-	86.3	J			2.481	

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	PB161170BS	SDG No.:	BF052924
Lab Sample ID:	PB161170BS	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
BF138056.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	270	330	ug/Kg
110-86-1	Pyridine	1300		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	1800		180	270	330	ug/Kg
62-53-3	Aniline	1000		96.9	130	170	ug/Kg
108-95-2	Phenol	1500		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	130	170	ug/Kg
78-59-1	Isophorone	1500		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	PB161170BS	SDG No.:	BF052924
Lab Sample ID:	PB161170BS	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
BF138056.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	130	170	ug/Kg
Total PAH	Total PAH	25300		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		85	130	170	ug/Kg
1912-24-9	Atrazine	1900		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	PB161170BS	SDG No.:	BF052924
Lab Sample ID:	PB161170BS	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
BF138056.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3100	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1600		84.4	130	170	ug/Kg
86-74-8	Carbazole	1500		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	130	170	ug/Kg
92-87-5	Benzidine	770		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	130	170	ug/Kg
218-01-9	Chrysene	1600		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	122.782		18-112		82	SPK: -150
13127-88-3	Phenol-d6	119.76		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	82.615		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	83.448		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	PB161170BS	SDG No.:	BF052924
Lab Sample ID:	PB161170BS	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
BF138056.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.486		10-110		93	SPK: -150
1718-51-0	Terphenyl-d14	87.829		14-112		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	159747	7.04				
1146-65-2	Naphthalene-d8	616668	8.322				
15067-26-2	Acenaphthene-d10	343980	10.086				
1517-22-2	Phenanthrene-d10	573616	11.58				
1719-03-5	Chrysene-d12	319016	14.233				
1520-96-3	Perylene-d12	305231	15.804				

Report of Analysis

Client:				Date Collected:	5/21/2024 12:00:00 AM		
Project:				Date Received:	5/21/2024 12:00:00 AM		
Client Sample ID:	EXPE2			SDG No.:	BF052924		
Lab Sample ID:	P2560-07			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	11.1		
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138057.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	97.5	U	97.5	300	370	ug/Kg
110-86-1	Pyridine	89.8	U	89.8	150	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	93.1	U	93.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94	U	94	150	190	ug/Kg
95-57-8	2-Chlorophenol	93.8	U	93.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	95	U	95	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.6	U	96.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	97.2	U	97.2	150	190	ug/Kg
100-51-6	Benzyl Alcohol	93.2	U	93.2	300	370	ug/Kg
95-48-7	2-Methylphenol	90.5	U	90.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	97.6	U	97.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	89.6	U	89.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.3	U	45.3	89.9	89.9	ug/Kg
67-72-1	Hexachloroethane	93.2	U	93.2	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	95	U	95	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.4	U	96.4	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	84.8	U	84.8	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	95.9	U	95.9	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	300	370	ug/Kg
91-20-3	Naphthalene	92.8	U	92.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	92.8	U	92.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.6	U	93.6	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2	SDG No.:	BF052924
Lab Sample ID:	P2560-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138057.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	97.5	U	97.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.1	U	87.1	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	92.7	U	92.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.2	U	80.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.1	U	83.1	150	190	ug/Kg
92-52-4	1,1-Biphenyl	98.2	U	98.2	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.6	U	93.6	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	91.8	U	91.8	150	190	ug/Kg
208-96-8	Acenaphthylene	97.2	U	97.2	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.5	U	93.5	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	91.1	U	91.1	150	190	ug/Kg
Total PAH	Total PAH	1484.1	U	1484.1	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	94.8	U	94.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.8	U	96.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	90.3	U	190.3	150	380	ug/Kg
84-66-2	Diethylphthalate	90	U	90	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.2	U	96.2	150	190	ug/Kg
86-73-7	Fluorene	96	U	96	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.7	U	91.7	150	190	ug/Kg
103-33-3	Azobenzene	89.4	U	89.4	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88.6	U	88.6	150	190	ug/Kg
118-74-1	Hexachlorobenzene	95.5	U	95.5	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2	SDG No.:	BF052924
Lab Sample ID:	P2560-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138057.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	86.8	U	86.8	300	370	ug/Kg
85-01-8	Phenanthrene	94.4	U	94.4	150	190	ug/Kg
120-12-7	Anthracene	94.8	U	94.8	150	190	ug/Kg
86-74-8	Carbazole	90.2	U	90.2	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	94.7	U	94.7	150	190	ug/Kg
206-44-0	Fluoranthene	91.8	U	91.8	150	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	93.2	U	93.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	90.7	U	90.7	150	190	ug/Kg
218-01-9	Chrysene	89.3	U	89.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.1	U	91.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	92.8	U	92.8	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.7	U	87.7	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.2	U	91.2	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90	U	90	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.5	U	97.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.9	U	83.9	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	93.5	U	93.5	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.939		18-112		68	SPK: -150
13127-88-3	Phenol-d6	100.49		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	72.461		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	811.911	*	20-109		812	SPK: -100

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2	SDG No.:	BF052924
Lab Sample ID:	P2560-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138057.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	148.068		10-110		99	SPK: -150
1718-51-0	Terphenyl-d14	38.534		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103806	7.034				
1146-65-2	Naphthalene-d8	342804	8.322				
15067-26-2	Acenaphthene-d10	13301	10.104				
1517-22-2	Phenanthrene-d10	4714	11.592				
1719-03-5	Chrysene-d12	177736	14.304				
1520-96-3	Perylene-d12	99376	15.81				

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MS	SDG No.:	BF052924
Lab Sample ID:	P2560-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.09	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
BF138058.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		97.3	300	370	ug/Kg
110-86-1	Pyridine	1200		89.6	150	190	ug/Kg
100-52-7	Benzaldehyde	310	J	200	300	370	ug/Kg
62-53-3	Aniline	1100		110	150	190	ug/Kg
108-95-2	Phenol	1600		93	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		93.9	150	190	ug/Kg
95-57-8	2-Chlorophenol	1600		93.6	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		94.9	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		96.4	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		97	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1700		93.1	300	370	ug/Kg
95-48-7	2-Methylphenol	1600		90.4	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		100	150	190	ug/Kg
98-86-2	Acetophenone	1800		97.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1600		89.5	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		45.2	89.7	89.7	ug/Kg
67-72-1	Hexachloroethane	1500		93.1	150	190	ug/Kg
98-95-3	Nitrobenzene	1600		100	150	190	ug/Kg
78-59-1	Isophorone	1800		94.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	1800		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		100	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		96.2	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		84.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		95.8	150	190	ug/Kg
65-85-0	Benzoic acid	1800		270	300	370	ug/Kg
91-20-3	Naphthalene	1600		92.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	990		92.6	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		93.4	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MS	SDG No.:	BF052924
Lab Sample ID:	P2560-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.09	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
BF138058.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2600		97.3	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		86.9	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1300		92.5	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	19600	E	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22600	E	80.1	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29800	E	83	150	190	ug/Kg
92-52-4	1,1-Biphenyl	12500	E	98	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	11500	E	93.4	150	190	ug/Kg
88-74-4	2-Nitroaniline	14300	E	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	18200	E	91.6	150	190	ug/Kg
208-96-8	Acenaphthylene	10700	E	97	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	10700	E	93.3	150	190	ug/Kg
99-09-2	3-Nitroaniline	8800	E	100	150	190	ug/Kg
83-32-9	Acenaphthene	7700	E	91	150	190	ug/Kg
Total PAH	Total PAH	310660	E	1481.9	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	7900	E	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	16800	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	8400	E	94.7	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	860		96.7	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1560		190	150	380	ug/Kg
84-66-2	Diethylphthalate	7300	E	89.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		96	150	190	ug/Kg
86-73-7	Fluorene	4700	E	95.9	150	190	ug/Kg
100-01-6	4-Nitroaniline	1700		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	21300	E	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	208700	E	91.5	150	190	ug/Kg
103-33-3	Azobenzene	640		89.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4500	E	88.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	20600	E	95.3	150	190	ug/Kg
1912-24-9	Atrazine	26300	E	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MS	SDG No.:	BF052924
Lab Sample ID:	P2560-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.09	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
BF138058.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	474100	E	86.7	300	370	ug/Kg
85-01-8	Phenanthrene	65400	E	94.2	150	190	ug/Kg
120-12-7	Anthracene	114700	E	94.7	150	190	ug/Kg
86-74-8	Carbazole	88300	E	90.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	9800	E	94.5	150	190	ug/Kg
206-44-0	Fluoranthene	89200	E	91.6	150	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	660		93.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	2800		110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2100		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1700		90.5	150	190	ug/Kg
218-01-9	Chrysene	1600		89.2	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		91	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	2300		92.6	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	2000		100	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		87.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		91.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		89.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	13800	E	97.3	150	190	ug/Kg
123-91-1	1,4-Dioxane	1000		120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	25500	E	83.8	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1500		93.3	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.097		18-112		73	SPK: -150
13127-88-3	Phenol-d6	111.391		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	80.078		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	636.909	*	20-109		637	SPK: -100

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MS	SDG No.:	BF052924
Lab Sample ID:	P2560-07MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.09	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
BF138058.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	167.865	*	10-110		112	SPK: -150
1718-51-0	Terphenyl-d14	44.12		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95059	7.04				
1146-65-2	Naphthalene-d8	330207	8.322				
15067-26-2	Acenaphthene-d10	18847	10.104				
1517-22-2	Phenanthrene-d10	1516	11.622				
1719-03-5	Chrysene-d12	153629	14.304				
1520-96-3	Perylene-d12	49654	15.804				

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MSD	SDG No.:	BF052924
Lab Sample ID:	P2560-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.07 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
BF138059.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		97.4	300	370	ug/Kg
110-86-1	Pyridine	1100		89.7	150	190	ug/Kg
100-52-7	Benzaldehyde	320	J	200	300	370	ug/Kg
62-53-3	Aniline	1100		110	150	190	ug/Kg
108-95-2	Phenol	1600		93	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		93.9	150	190	ug/Kg
95-57-8	2-Chlorophenol	1600		93.7	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		94.9	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		96.5	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		97.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1600		93.1	300	370	ug/Kg
95-48-7	2-Methylphenol	1500		90.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		100	150	190	ug/Kg
98-86-2	Acetophenone	1800		97.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1500		89.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		45.2	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	1500		93.1	150	190	ug/Kg
98-95-3	Nitrobenzene	1600		100	150	190	ug/Kg
78-59-1	Isophorone	1700		94.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	1700		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		100	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		96.3	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		84.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		95.8	150	190	ug/Kg
65-85-0	Benzoic acid	1600		270	300	370	ug/Kg
91-20-3	Naphthalene	1600		92.7	150	190	ug/Kg
106-47-8	4-Chloroaniline	960		92.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		93.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MSD	SDG No.:	BF052924
Lab Sample ID:	P2560-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.07 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
BF138059.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2200		97.4	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		87	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1200		92.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5000	E	180	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	5900	E	80.1	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	6100	E	83	150	190	ug/Kg
92-52-4	1,1-Biphenyl	3200	E	98.1	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	3200	E	93.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	3700	E	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	4500	E	91.7	150	190	ug/Kg
208-96-8	Acenaphthylene	2700		97.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	J	93.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	2700		100	150	190	ug/Kg
83-32-9	Acenaphthene	1900		91	150	190	ug/Kg
Total PAH	Total PAH	216210		1482.7	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		270	300	370	ug/Kg
100-02-7	4-Nitrophenol	4700	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	2000		94.7	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250		190.1	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		96.7	150	190	ug/Kg
84-66-2	Diethylphthalate	2200		89.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.1	U	96.1	150	190	ug/Kg
86-73-7	Fluorene	2200		96	150	190	ug/Kg
100-01-6	4-Nitroaniline	2400		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	154800	E	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	141900	E	91.6	150	190	ug/Kg
103-33-3	Azobenzene	580		89.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67300	E	88.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	21700	E	95.4	150	190	ug/Kg
1912-24-9	Atrazine	152400	E	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MSD	SDG No.:	BF052924
Lab Sample ID:	P2560-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.07 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
BF138059.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	368100	E	86.7	300	370	ug/Kg
85-01-8	Phenanthrene	55100	E	94.3	150	190	ug/Kg
120-12-7	Anthracene	78100	E	94.7	150	190	ug/Kg
86-74-8	Carbazole	43700	E	90.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	5800	E	94.6	150	190	ug/Kg
206-44-0	Fluoranthene	59300	E	91.7	150	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	810		93.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	2400		110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2100		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1600		90.6	150	190	ug/Kg
218-01-9	Chrysene	1600		89.2	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		91	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		92.7	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	1800		100	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		87.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		91.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		89.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3700	E	97.4	150	190	ug/Kg
123-91-1	1,4-Dioxane	930		120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	6100	E	83.8	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1400		93.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.28		18-112		68	SPK: -150
13127-88-3	Phenol-d6	105.401		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	78.944		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	168.509	*	20-109		169	SPK: -100

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	EXPE2MSD	SDG No.:	BF052924
Lab Sample ID:	P2560-07MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.07 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
BF138059.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	45.1		10-110		30	SPK: -150
1718-51-0	Terphenyl-d14	50.084		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	109088	7.039				
1146-65-2	Naphthalene-d8	377163	8.322				
15067-26-2	Acenaphthene-d10	75963	10.186				
1517-22-2	Phenanthrene-d10	2067	11.633				
1719-03-5	Chrysene-d12	142475	14.304				
1520-96-3	Perylene-d12	45965	15.809				

Report of Analysis

Client:		Date Collected:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	WCS-TPT	SDG No.:	BF052924
Lab Sample ID:	P2637-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
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
BF138060.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.2	U	59.2	180	230	ug/Kg
110-86-1	Pyridine	54.5	U	54.5	88.6	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	230	ug/Kg
62-53-3	Aniline	66.1	U	66.1	88.6	120	ug/Kg
108-95-2	Phenol	56.5	U	56.5	88.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.1	U	57.1	88.6	120	ug/Kg
95-57-8	2-Chlorophenol	56.9	U	56.9	88.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.7	U	57.7	88.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.6	U	58.6	88.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59	U	59	88.6	120	ug/Kg
100-51-6	Benzyl Alcohol	56.6	U	56.6	180	230	ug/Kg
95-48-7	2-Methylphenol	55	U	55	88.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62	U	62	88.6	120	ug/Kg
98-86-2	Acetophenone	59.3	U	59.3	88.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.4	U	54.4	180	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.5	U	27.5	54.6	54.6	ug/Kg
67-72-1	Hexachloroethane	56.6	U	56.6	88.6	120	ug/Kg
98-95-3	Nitrobenzene	61.9	U	61.9	88.6	120	ug/Kg
78-59-1	Isophorone	57.7	U	57.7	88.6	120	ug/Kg
88-75-5	2-Nitrophenol	64.4	U	64.4	88.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.6	U	63.6	88.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.5	U	58.5	88.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.5	U	51.5	88.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.2	U	58.2	88.6	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	230	ug/Kg
91-20-3	Naphthalene	56.3	U	56.3	88.6	120	ug/Kg
106-47-8	4-Chloroaniline	56.3	U	56.3	88.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.8	U	56.8	88.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	WCS-TPT	SDG No.:	BF052924
Lab Sample ID:	P2637-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
Sample Wt/Vol:	50.05	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
BF138060.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59.2	U	59.2	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.8	U	52.8	88.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.3	U	56.3	88.6	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.7	U	48.7	88.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.5	U	50.5	88.6	120	ug/Kg
92-52-4	1,1-Biphenyl	59.6	U	59.6	88.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.8	U	56.8	88.6	120	ug/Kg
88-74-4	2-Nitroaniline	64.8	U	64.8	88.6	120	ug/Kg
131-11-3	Dimethylphthalate	55.7	U	55.7	88.6	120	ug/Kg
208-96-8	Acenaphthylene	59	U	59	88.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.7	U	56.7	88.6	120	ug/Kg
99-09-2	3-Nitroaniline	60.8	U	60.8	88.6	120	ug/Kg
83-32-9	Acenaphthene	55.3	U	55.3	88.6	120	ug/Kg
Total PAH	Total PAH	903.6	U	903.6	88.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	230	ug/Kg
100-02-7	4-Nitrophenol	79.1	U	79.1	180	230	ug/Kg
132-64-9	Dibenzofuran	57.6	U	57.6	88.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.8	U	58.8	88.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	115.5	U	115.5	88.6	240	ug/Kg
84-66-2	Diethylphthalate	54.6	U	54.6	88.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.4	U	58.4	88.6	120	ug/Kg
86-73-7	Fluorene	58.3	U	58.3	88.6	120	ug/Kg
100-01-6	4-Nitroaniline	73	U	73	88.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.8	U	79.8	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.6	U	55.6	88.6	120	ug/Kg
103-33-3	Azobenzene	54.3	U	54.3	88.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.8	U	53.8	88.6	120	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	88.6	120	ug/Kg
1912-24-9	Atrazine	62.3	U	62.3	88.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	WCS-TPT	SDG No.:	BF052924
Lab Sample ID:	P2637-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
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
BF138060.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.7	U	52.7	180	230	ug/Kg
85-01-8	Phenanthrene	57.3	U	57.3	88.6	120	ug/Kg
120-12-7	Anthracene	57.6	U	57.6	88.6	120	ug/Kg
86-74-8	Carbazole	54.8	U	54.8	88.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.5	U	57.5	88.6	120	ug/Kg
206-44-0	Fluoranthene	80.9	J	55.7	88.6	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	230	ug/Kg
129-00-0	Pyrene	70.3	J	56.6	88.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	66	U	66	88.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.2	U	67.2	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	55	U	55	88.6	120	ug/Kg
218-01-9	Chrysene	54.2	U	54.2	88.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.1	U	62.1	88.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	75	U	75	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.6	J	55.3	88.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.3	U	56.3	88.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	63.4	U	63.4	88.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53.3	U	53.3	88.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.4	U	55.4	88.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.6	U	54.6	88.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.2	U	59.2	88.6	120	ug/Kg
123-91-1	1,4-Dioxane	75	U	75	88.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.9	U	50.9	88.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.7	U	56.7	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.455		18-112		73	SPK: -150
13127-88-3	Phenol-d6	109.957		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	73.459		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	72.592		20-109		73	SPK: -100

Report of Analysis

Client:		Date Collected:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	WCS-TPT	SDG No.:	BF052924
Lab Sample ID:	P2637-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.1
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
BF138060.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	111.71		10-110		74	SPK: -150
1718-51-0	Terphenyl-d14	65.2		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100326	7.034				
1146-65-2	Naphthalene-d8	387984	8.316				
15067-26-2	Acenaphthene-d10	217349	10.081				
1517-22-2	Phenanthrene-d10	324949	11.58				
1719-03-5	Chrysene-d12	189512	14.233				
1520-96-3	Perylene-d12	189156	15.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			2.41	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	45.7	A			5.293	
000770-35-4	1-Phenoxypropan-2-ol	53.2	J			8.622	
000057-10-3	n-Hexadecanoic acid	160	J			12.086	
000057-11-4	Octadecanoic acid	94.3	J			12.874	
000301-02-0	9-Octadecenamide, (Z)-	160	J			13.633	
330207-53-9	E-14-Hexadecenal	100	J			14.08	

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-02-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
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
BF138061.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.6	U	55.6	170	210	ug/Kg
110-86-1	Pyridine	51.2	U	51.2	83.3	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.1	U	62.1	83.3	110	ug/Kg
108-95-2	Phenol	53.1	U	53.1	83.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.6	U	53.6	83.3	110	ug/Kg
95-57-8	2-Chlorophenol	53.5	U	53.5	83.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.2	U	54.2	83.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.1	U	55.1	83.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.4	U	55.4	83.3	110	ug/Kg
100-51-6	Benzyl Alcohol	53.2	U	53.2	170	210	ug/Kg
95-48-7	2-Methylphenol	51.6	U	51.6	83.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.2	U	58.2	83.3	110	ug/Kg
98-86-2	Acetophenone	55.7	U	55.7	83.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.1	U	51.1	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.8	U	25.8	51.3	51.3	ug/Kg
67-72-1	Hexachloroethane	53.2	U	53.2	83.3	110	ug/Kg
98-95-3	Nitrobenzene	58.2	U	58.2	83.3	110	ug/Kg
78-59-1	Isophorone	54.2	U	54.2	83.3	110	ug/Kg
88-75-5	2-Nitrophenol	60.5	U	60.5	83.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	83.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55	U	55	83.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.4	U	48.4	83.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.7	U	54.7	83.3	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.9	U	52.9	83.3	110	ug/Kg
106-47-8	4-Chloroaniline	52.9	U	52.9	83.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.4	U	53.4	83.3	110	ug/Kg



Client:				Date Collected:	5/24/2024 12:00:00 AM	
Project:				Date Received:	5/24/2024 12:00:00 AM	
Client Sample ID:	HR-02-05242024			SDG No.:	BF052924	
Lab Sample ID:	P2610-03			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.5	
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
BF138061.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.6	U	55.6	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.7	U	49.7	83.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.9	U	52.9	83.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99.9	U	99.9	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.7	U	45.7	83.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.4	U	47.4	83.3	110	ug/Kg
92-52-4	1,1-Biphenyl	56	U	56	83.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.4	U	53.4	83.3	110	ug/Kg
88-74-4	2-Nitroaniline	60.9	U	60.9	83.3	110	ug/Kg
131-11-3	Dimethylphthalate	52.3	U	52.3	83.3	110	ug/Kg
208-96-8	Acenaphthylene	55.4	U	55.4	83.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.3	U	53.3	83.3	110	ug/Kg
99-09-2	3-Nitroaniline	57.1	U	57.1	83.3	110	ug/Kg
83-32-9	Acenaphthene	52	U	52	83.3	110	ug/Kg
Total PAH	Total PAH	848.9	U	848.9	83.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.3	U	74.3	170	210	ug/Kg
132-64-9	Dibenzofuran	54.1	U	54.1	83.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.5	U	108.5	83.3	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.2	U	55.2	83.3	110	ug/Kg
84-66-2	Diethylphthalate	51.3	U	51.3	83.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.8	U	54.8	83.3	110	ug/Kg
86-73-7	Fluorene	54.8	U	54.8	83.3	110	ug/Kg
100-01-6	4-Nitroaniline	68.6	U	68.6	83.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75	U	75	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.3	U	52.3	83.3	110	ug/Kg
103-33-3	Azobenzene	51	U	51	83.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.6	U	50.6	83.3	110	ug/Kg
118-74-1	Hexachlorobenzene	54.5	U	54.5	83.3	110	ug/Kg
1912-24-9	Atrazine	58.6	U	58.6	83.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-02-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
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
BF138061.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.5	U	49.5	170	210	ug/Kg
85-01-8	Phenanthrene	53.8	U	53.8	83.3	110	ug/Kg
120-12-7	Anthracene	54.1	U	54.1	83.3	110	ug/Kg
86-74-8	Carbazole	51.4	U	51.4	83.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	54	U	54	83.3	110	ug/Kg
206-44-0	Fluoranthene	52.3	U	52.3	83.3	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	53.2	U	53.2	83.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	62	U	62	83.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.2	U	63.2	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	51.7	U	51.7	83.3	110	ug/Kg
218-01-9	Chrysene	50.9	U	50.9	83.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.3	U	58.3	83.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.5	U	70.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	52	U	52	83.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.9	U	52.9	83.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	59.6	U	59.6	83.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50	U	50	83.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52	U	52	83.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.3	U	51.3	83.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.6	U	55.6	83.3	110	ug/Kg
123-91-1	1,4-Dioxane	70.5	U	70.5	83.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.9	U	47.9	83.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.3	U	53.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	55.559		18-112		37	SPK: -150
13127-88-3	Phenol-d6	55.795		15-107		37	SPK: -150
4165-60-0	Nitrobenzene-d5	39.521		18-107		40	SPK: -100
321-60-8	2-Fluorobiphenyl	46.744		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-02-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
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
BF138061.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	56.764		10-110		38	SPK: -150
1718-51-0	Terphenyl-d14	34.232		14-112		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80187	7.034				
1146-65-2	Naphthalene-d8	291721	8.322				
15067-26-2	Acenaphthene-d10	151287	10.086				
1517-22-2	Phenanthrene-d10	209537	11.58				
1719-03-5	Chrysene-d12	162979	14.233				
1520-96-3	Perylene-d12	128502	15.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	510	J			2.369	
000629-59-4	Tetradecane	200	J			9.463	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	260	J			9.78	
000629-94-7	Heneicosane	360	J			9.992	
000544-76-3	Hexadecane	470	J			10.498	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	340	J			10.716	
000629-78-7	Heptadecane	1000	J			10.975	
000593-45-3	Octadecane	620	J			11.422	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	300	J			11.451	
000629-92-5	Nonadecane	570	J			11.851	
000112-39-0	Hexadecanoic acid, methyl ester	1400	J			11.957	
000057-10-3	n-Hexadecanoic acid	550	J			12.092	
000112-95-8	Eicosane	500	J			12.257	
002462-85-3	9,12-Octadecadienoic acid, methyl	7700	J			12.663	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	5200	J			12.68	
000112-61-8	Methyl stearate	1100	J			12.751	
000544-71-8	(9E,11E)-Octadecadienoic acid	380	J			12.786	
000112-80-1	Oleic Acid	820	J			12.804	
000057-11-4	Octadecanoic acid	230	J			12.88	

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-02-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
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
BF138061.D	1	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000544-77-4	Hexadecane, 1-iodo-	380	J			13.021	

Report of Analysis

Client:				Date Collected:	5/21/2024 12:00:00 AM		
Project:				Date Received:	5/21/2024 12:00:00 AM		
Client Sample ID:	INT-PE1			SDG No.:	BF052924		
Lab Sample ID:	P2560-09			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	22.2		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138062.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	560	U	560	1700	2100	ug/Kg
110-86-1	Pyridine	510	U	510	830	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1700	2100	ug/Kg
62-53-3	Aniline	620	U	620	830	1100	ug/Kg
108-95-2	Phenol	530	U	530	830	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	540	U	540	830	1100	ug/Kg
95-57-8	2-Chlorophenol	540	U	540	830	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	540	U	540	830	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	550	830	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	560	U	560	830	1100	ug/Kg
100-51-6	Benzyl Alcohol	530	U	530	1700	2100	ug/Kg
95-48-7	2-Methylphenol	520	U	520	830	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	830	1100	ug/Kg
98-86-2	Acetophenone	560	U	560	830	1100	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	510	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	510	510	ug/Kg
67-72-1	Hexachloroethane	530	U	530	830	1100	ug/Kg
98-95-3	Nitrobenzene	580	U	580	830	1100	ug/Kg
78-59-1	Isophorone	540	U	540	830	1100	ug/Kg
88-75-5	2-Nitrophenol	610	U	610	830	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	600	U	600	830	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	550	U	550	830	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	480	U	480	830	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	550	U	550	830	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	530	U	530	830	1100	ug/Kg
106-47-8	4-Chloroaniline	530	U	530	830	1100	ug/Kg
87-68-3	Hexachlorobutadiene	530	U	530	830	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	INT-PE1	SDG No.:	BF052924
Lab Sample ID:	P2560-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
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
BF138062.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	560	U	560	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	500	U	500	830	1100	ug/Kg
91-57-6	2-Methylnaphthalene	530	U	530	830	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	460	U	460	830	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	480	U	480	830	1100	ug/Kg
92-52-4	1,1-Biphenyl	560	U	560	830	1100	ug/Kg
91-58-7	2-Chloronaphthalene	530	U	530	830	1100	ug/Kg
88-74-4	2-Nitroaniline	610	U	610	830	1100	ug/Kg
131-11-3	Dimethylphthalate	520	U	520	830	1100	ug/Kg
208-96-8	Acenaphthylene	560	U	560	830	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	530	U	530	830	1100	ug/Kg
99-09-2	3-Nitroaniline	570	U	570	830	1100	ug/Kg
83-32-9	Acenaphthene	520	U	520	830	1100	ug/Kg
Total PAH	Total PAH	24590	U	8500	830	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	740	U	740	1700	2100	ug/Kg
132-64-9	Dibenzofuran	540	U	540	830	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1080	U	1080	830	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	830	1100	ug/Kg
84-66-2	Diethylphthalate	510	U	510	830	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	550	U	550	830	1100	ug/Kg
86-73-7	Fluorene	550	U	550	830	1100	ug/Kg
100-01-6	4-Nitroaniline	690	U	690	830	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	750	U	750	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	520	U	520	830	1100	ug/Kg
103-33-3	Azobenzene	510	U	510	830	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	510	U	510	830	1100	ug/Kg
118-74-1	Hexachlorobenzene	550	U	550	830	1100	ug/Kg
1912-24-9	Atrazine	590	U	590	830	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	INT-PE1	SDG No.:	BF052924
Lab Sample ID:	P2560-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
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
BF138062.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	500	U	500	1700	2100	ug/Kg
85-01-8	Phenanthrene	2100		540	830	1100	ug/Kg
120-12-7	Anthracene	550	J	540	830	1100	ug/Kg
86-74-8	Carbazole	520	U	520	830	1100	ug/Kg
84-74-2	Di-n-butylphthalate	540	U	540	830	1100	ug/Kg
206-44-0	Fluoranthene	5200		520	830	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	2900		530	830	1100	ug/Kg
85-68-7	Butylbenzylphthalate	620	U	620	830	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630	U	630	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	2700		520	830	1100	ug/Kg
218-01-9	Chrysene	2700		510	830	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	580	U	580	830	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	710	U	710	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200		520	830	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		530	830	1100	ug/Kg
50-32-8	Benzo(a)pyrene	2300		600	830	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	800	J	500	830	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	520	U	520	830	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	840	J	510	830	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	560	U	560	830	1100	ug/Kg
123-91-1	1,4-Dioxane	710	U	710	830	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	480	U	480	830	1100	ug/Kg
90-12-0	1-Methylnaphthalene	530	U	530	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.605		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.92		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	58.18		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	73.28		20-109		73	SPK: -100

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	INT-PE1	SDG No.:	BF052924
Lab Sample ID:	P2560-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.2
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
BF138062.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.455		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	49.075		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70426	7.034				
1146-65-2	Naphthalene-d8	254913	8.322				
15067-26-2	Acenaphthene-d10	128461	10.086				
1517-22-2	Phenanthrene-d10	171656	11.592				
1719-03-5	Chrysene-d12	150763	14.233				
1520-96-3	Perylene-d12	132808	15.804				

Report of Analysis

Client:				Date Collected:	5/21/2024 12:00:00 AM		
Project:				Date Received:	5/21/2024 12:00:00 AM		
Client Sample ID:	INT-PE2			SDG No.:	BF052924		
Lab Sample ID:	P2560-10			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	16.2		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138063.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	520	U	520	1600	2000	ug/Kg
110-86-1	Pyridine	480	U	480	780	1000	ug/Kg
100-52-7	Benzaldehyde	1100	U	1100	1600	2000	ug/Kg
62-53-3	Aniline	580	U	580	780	1000	ug/Kg
108-95-2	Phenol	490	U	490	780	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	500	U	500	780	1000	ug/Kg
95-57-8	2-Chlorophenol	500	U	500	780	1000	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	500	780	1000	ug/Kg
541-73-1	1,3-Dichlorobenzene	510	U	510	780	1000	ug/Kg
106-46-7	1,4-Dichlorobenzene	520	U	520	780	1000	ug/Kg
100-51-6	Benzyl Alcohol	500	U	500	1600	2000	ug/Kg
95-48-7	2-Methylphenol	480	U	480	780	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	540	U	540	780	1000	ug/Kg
98-86-2	Acetophenone	520	U	520	780	1000	ug/Kg
65794-96-9	3+4-Methylphenols	480	U	480	1600	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	240	U	240	480	480	ug/Kg
67-72-1	Hexachloroethane	500	U	500	780	1000	ug/Kg
98-95-3	Nitrobenzene	540	U	540	780	1000	ug/Kg
78-59-1	Isophorone	500	U	500	780	1000	ug/Kg
88-75-5	2-Nitrophenol	560	U	560	780	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	560	U	560	780	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	510	U	510	780	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	450	U	450	780	1000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	510	U	510	780	1000	ug/Kg
65-85-0	Benzoic acid	1400	U	1400	1600	2000	ug/Kg
91-20-3	Naphthalene	490	U	490	780	1000	ug/Kg
106-47-8	4-Chloroaniline	490	U	490	780	1000	ug/Kg
87-68-3	Hexachlorobutadiene	500	U	500	780	1000	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	INT-PE2	SDG No.:	BF052924
Lab Sample ID:	P2560-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF138063.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	520	U	520	1600	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	460	U	460	780	1000	ug/Kg
91-57-6	2-Methylnaphthalene	490	U	490	780	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	930	U	930	1600	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	430	U	430	780	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	440	U	440	780	1000	ug/Kg
92-52-4	1,1-Biphenyl	520	U	520	780	1000	ug/Kg
91-58-7	2-Chloronaphthalene	500	U	500	780	1000	ug/Kg
88-74-4	2-Nitroaniline	570	U	570	780	1000	ug/Kg
131-11-3	Dimethylphthalate	490	U	490	780	1000	ug/Kg
208-96-8	Acenaphthylene	520	U	520	780	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	500	U	500	780	1000	ug/Kg
99-09-2	3-Nitroaniline	530	U	530	780	1000	ug/Kg
83-32-9	Acenaphthene	480	U	480	780	1000	ug/Kg
Total PAH	Total PAH	22780	U	7890	780	16000	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	U	1400	1600	2000	ug/Kg
100-02-7	4-Nitrophenol	690	U	690	1600	2000	ug/Kg
132-64-9	Dibenzofuran	500	U	500	780	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	510	U	510	780	1000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1010	U	1010	780	2000	ug/Kg
84-66-2	Diethylphthalate	480	U	480	780	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	510	U	510	780	1000	ug/Kg
86-73-7	Fluorene	510	U	510	780	1000	ug/Kg
100-01-6	4-Nitroaniline	640	U	640	780	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	700	U	700	1600	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	490	U	490	780	1000	ug/Kg
103-33-3	Azobenzene	470	U	470	780	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	470	U	470	780	1000	ug/Kg
118-74-1	Hexachlorobenzene	510	U	510	780	1000	ug/Kg
1912-24-9	Atrazine	550	U	550	780	1000	ug/Kg

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	INT-PE2	SDG No.:	BF052924
Lab Sample ID:	P2560-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF138063.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	460	U	460	1600	2000	ug/Kg
85-01-8	Phenanthrene	1900		500	780	1000	ug/Kg
120-12-7	Anthracene	500	U	500	780	1000	ug/Kg
86-74-8	Carbazole	480	U	480	780	1000	ug/Kg
84-74-2	Di-n-butylphthalate	500	U	500	780	1000	ug/Kg
206-44-0	Fluoranthene	5100		490	780	1000	ug/Kg
92-87-5	Benzidine	970	U	970	1600	2000	ug/Kg
129-00-0	Pyrene	2800		500	780	1000	ug/Kg
85-68-7	Butylbenzylphthalate	580	U	580	780	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	590	U	590	1600	2000	ug/Kg
56-55-3	Benzo(a)anthracene	2500		480	780	1000	ug/Kg
218-01-9	Chrysene	2400		470	780	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	540	U	540	780	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	660	U	660	1600	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	3000		480	780	1000	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		490	780	1000	ug/Kg
50-32-8	Benzo(a)pyrene	2300		550	780	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	710	J	470	780	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	480	U	480	780	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	770	J	480	780	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	520	U	520	780	1000	ug/Kg
123-91-1	1,4-Dioxane	660	U	660	780	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	450	U	450	780	1000	ug/Kg
90-12-0	1-Methylnaphthalene	500	U	500	1000	1000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	65.285		18-112		44	SPK: -150
13127-88-3	Phenol-d6	67.87		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	48.655		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	61.83		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	5/21/2024 12:00:00 AM
Project:		Date Received:	5/21/2024 12:00:00 AM
Client Sample ID:	INT-PE2	SDG No.:	BF052924
Lab Sample ID:	P2560-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF138063.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	73.485		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	40.88		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62031	7.034				
1146-65-2	Naphthalene-d8	230588	8.316				
15067-26-2	Acenaphthene-d10	109892	10.092				
1517-22-2	Phenanthrene-d10	145410	11.604				
1719-03-5	Chrysene-d12	146240	14.239				
1520-96-3	Perylene-d12	126056	15.804				

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-01-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.1 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
BF138064.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	890	1100	ug/Kg
110-86-1	Pyridine	260	U	260	430	560	ug/Kg
100-52-7	Benzaldehyde	600	U	600	890	1100	ug/Kg
62-53-3	Aniline	320	U	320	430	560	ug/Kg
108-95-2	Phenol	270	U	270	430	560	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	430	560	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	430	560	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	430	560	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	430	560	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	430	560	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	890	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	430	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	430	560	ug/Kg
98-86-2	Acetophenone	290	U	290	430	560	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	890	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	430	560	ug/Kg
98-95-3	Nitrobenzene	300	U	300	430	560	ug/Kg
78-59-1	Isophorone	280	U	280	430	560	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	430	560	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	430	560	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	430	560	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	430	560	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	430	560	ug/Kg
65-85-0	Benzoic acid	780	U	780	890	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	430	560	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	430	560	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-01-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.1 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
BF138064.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	290	U	290	890	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	430	560	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	430	560	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	510	890	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	430	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	430	560	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	430	560	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	430	560	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	430	560	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	430	560	ug/Kg
208-96-8	Acenaphthylene	280	U	280	430	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	430	560	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	430	560	ug/Kg
83-32-9	Acenaphthene	270	U	270	430	560	ug/Kg
Total PAH	Total PAH	4370	U	4370	430	8960	ug/Kg
51-28-5	2,4-Dinitrophenol	800	U	800	890	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	890	1100	ug/Kg
132-64-9	Dibenzofuran	280	U	280	430	560	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	430	1120	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	430	560	ug/Kg
84-66-2	Diethylphthalate	260	U	260	430	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	430	560	ug/Kg
86-73-7	Fluorene	280	U	280	430	560	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	430	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	890	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	430	560	ug/Kg
103-33-3	Azobenzene	260	U	260	430	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	430	560	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	430	560	ug/Kg
1912-24-9	Atrazine	300	U	300	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-01-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.1	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
BF138064.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	890	1100	ug/Kg
85-01-8	Phenanthrene	280	U	280	430	560	ug/Kg
120-12-7	Anthracene	280	U	280	430	560	ug/Kg
86-74-8	Carbazole	260	U	260	430	560	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	430	560	ug/Kg
206-44-0	Fluoranthene	270	U	270	430	560	ug/Kg
92-87-5	Benzidine	540	U	540	890	1100	ug/Kg
129-00-0	Pyrene	270	U	270	430	560	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	430	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	890	1100	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	270	430	560	ug/Kg
218-01-9	Chrysene	260	U	260	430	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	430	560	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	890	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	270	430	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	U	270	430	560	ug/Kg
50-32-8	Benzo(a)pyrene	310	U	310	430	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	430	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	430	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	430	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	430	560	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	430	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	430	560	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	560	560	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	45.2		18-112		30	SPK: -150
13127-88-3	Phenol-d6	47.645		15-107		32	SPK: -150
4165-60-0	Nitrobenzene-d5	34.385		18-107		34	SPK: -100
321-60-8	2-Fluorobiphenyl	37.875		20-109		38	SPK: -100

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-01-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.1 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
BF138064.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	42.395		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	28.635		14-112		29	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68909	7.034				
1146-65-2	Naphthalene-d8	255509	8.322				
15067-26-2	Acenaphthene-d10	134445	10.08				
1517-22-2	Phenanthrene-d10	191171	11.58				
1719-03-5	Chrysene-d12	146537	14.233				
1520-96-3	Perylene-d12	119559	15.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	680	J			2.357	
	unknown8.598	550	J			8.598	
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	550	J			8.822	
000629-50-5	Tridecane	1000	J			8.892	
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	560	J			9.257	
000629-59-4	Tetradecane	1500	J			9.463	
003891-98-3	Dodecane, 2,6,10-trimethyl-	620	J			9.78	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	1900	J			9.992	
000544-76-3	Hexadecane	2100	J			10.492	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	1100	J			10.716	
000593-45-3	Octadecane	3000	J			10.969	
055045-14-2	Tetradecane, 4-ethyl-	1700	J			11.422	
017312-63-9	Nonane, 5-butyl-	620	J			11.451	
000629-92-5	Nonadecane	1400	J			11.845	
000112-39-0	Hexadecanoic acid, methyl ester	10400	J			11.957	
000112-95-8	Eicosane	1300	J			12.257	
002462-85-3	9,12-Octadecadienoic acid, methyl	44700	J			12.657	
001937-62-8	9-Octadecenoic acid, methyl ester,	22100	J			12.68	
000112-61-8	Methyl stearate	4500	J			12.745	

Report of Analysis

Client:		Date Collected:	5/24/2024 12:00:00 AM
Project:		Date Received:	5/24/2024 12:00:00 AM
Client Sample ID:	HR-01-05242024	SDG No.:	BF052924
Lab Sample ID:	P2610-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	50.1	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
BF138064.D	5	5/29/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB161170

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000629-94-7	Heneicosane	1000	J			13.015	

Hit Summary Sheet SW-846

SDG No.: BF052924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : INT-PE1								
P2560-09	INT-PE1	Solid	Anthracene	550.000	J	540	1100	ug/Kg
P2560-09	INT-PE1	Solid	Benzo(a)anthracene	2,700.000		520	1100	ug/Kg
P2560-09	INT-PE1	Solid	Benzo(a)pyrene	2,300.000		600	1100	ug/Kg
P2560-09	INT-PE1	Solid	Benzo(b)fluoranthene	3,200.000		520	1100	ug/Kg
P2560-09	INT-PE1	Solid	Benzo(g,h,i)perylene	840.000	J	510	1100	ug/Kg
P2560-09	INT-PE1	Solid	Benzo(k)fluoranthene	1,300.000		530	1100	ug/Kg
P2560-09	INT-PE1	Solid	Chrysene	2,700.000		510	1100	ug/Kg
P2560-09	INT-PE1	Solid	Fluoranthene	5,200.000		520	1100	ug/Kg
P2560-09	INT-PE1	Solid	Indeno(1,2,3-cd)pyrene	800.000	J	500	1100	ug/Kg
P2560-09	INT-PE1	Solid	Phenanthrene	2,100.000		540	1100	ug/Kg
P2560-09	INT-PE1	Solid	Pyrene	2,900.000		530	1100	ug/Kg
Total Svoc :				24,590.00				
Total Concentration:				24,590.00				
Client ID : INT-PE2								
P2560-10	INT-PE2	Solid	Benzo(a)anthracene	2,500.000		480	1000	ug/Kg
P2560-10	INT-PE2	Solid	Benzo(a)pyrene	2,300.000		550	1000	ug/Kg
P2560-10	INT-PE2	Solid	Benzo(b)fluoranthene	3,000.000		480	1000	ug/Kg
P2560-10	INT-PE2	Solid	Benzo(g,h,i)perylene	770.000	J	480	1000	ug/Kg
P2560-10	INT-PE2	Solid	Benzo(k)fluoranthene	1,300.000		490	1000	ug/Kg
P2560-10	INT-PE2	Solid	Chrysene	2,400.000		470	1000	ug/Kg
P2560-10	INT-PE2	Solid	Fluoranthene	5,100.000		490	1000	ug/Kg
P2560-10	INT-PE2	Solid	Indeno(1,2,3-cd)pyrene	710.000	J	470	1000	ug/Kg
P2560-10	INT-PE2	Solid	Phenanthrene	1,900.000		500	1000	ug/Kg
P2560-10	INT-PE2	Solid	Pyrene	2,800.000		500	1000	ug/Kg
Total Svoc :				22,780.00				
Total Concentration:				22,780.00				
Client ID : HR-01-05242024								
P2610-01	HR-01-05242024	Solid	9,12-Octadecadienoic acid, methy *	44,700.000	J			
P2610-01	HR-01-05242024	Solid	9-Octadecenoic acid, methyl ester *	22,100.000	J			
P2610-01	HR-01-05242024	Solid	Butane, 2-methoxy-2-methyl- *	680.000	J			
P2610-01	HR-01-05242024	Solid	Carbonic acid, eicosyl vinyl ester *	1,900.000	J			
P2610-01	HR-01-05242024	Solid	Dodecane, 2,6,10-trimethyl- *	620.000	J			
P2610-01	HR-01-05242024	Solid	Eicosane *	1,300.000	J			
P2610-01	HR-01-05242024	Solid	Heneicosane *	1,000.000	J			
P2610-01	HR-01-05242024	Solid	Hexadecane *	2,100.000	J			
P2610-01	HR-01-05242024	Solid	Hexadecanoic acid, methyl ester *	10,400.000	J			

Hit Summary Sheet SW-846

SDG No.: BF052924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2610-01	HR-01-05242024	Solid	Methyl stearate	*	4,500.000	J		
P2610-01	HR-01-05242024	Solid	Naphthalene, 1,2,3,4-tetrahydro-1-	*	560.000	J		
P2610-01	HR-01-05242024	Solid	Naphthalene, 1,2,3,4-tetrahydro-6-	*	550.000	J		
P2610-01	HR-01-05242024	Solid	Nonadecane	*	1,400.000	J		
P2610-01	HR-01-05242024	Solid	Nonane, 5-butyl-	*	620.000	J		
P2610-01	HR-01-05242024	Solid	Octadecane	*	3,000.000	J		
P2610-01	HR-01-05242024	Solid	Pentadecane, 2,6,10-trimethyl-	*	1,100.000	J		
P2610-01	HR-01-05242024	Solid	Tetradecane	*	1,500.000	J		
P2610-01	HR-01-05242024	Solid	Tetradecane, 4-ethyl-	*	1,700.000	J		
P2610-01	HR-01-05242024	Solid	Tridecane	*	1,000.000	J		
P2610-01	HR-01-05242024	Solid	unknown8.598	*	550.000	J		
Total Tics :					101,280.00			
Total Concentration:					101,280.00			

Client ID : HR-02-05242024

P2610-03	HR-02-05242024	Solid	(9E,11E)-Octadecadienoic acid	*	380.000	J		
P2610-03	HR-02-05242024	Solid	9,12-Octadecadienoic acid, methyl	*	7,700.000	J		
P2610-03	HR-02-05242024	Solid	9-Octadecenoic acid (Z)-, methyl	*	5,200.000	J		
P2610-03	HR-02-05242024	Solid	Butane, 2-methoxy-2-methyl-	*	510.000	J		
P2610-03	HR-02-05242024	Solid	Eicosane	*	500.000	J		
P2610-03	HR-02-05242024	Solid	Heneicosane	*	360.000	J		
P2610-03	HR-02-05242024	Solid	Heptadecane	*	1,000.000	J		
P2610-03	HR-02-05242024	Solid	Heptadecane, 2,6,10,15-tetramethyl-	*	260.000	J		
P2610-03	HR-02-05242024	Solid	Hexadecane	*	470.000	J		
P2610-03	HR-02-05242024	Solid	Hexadecane, 1-iodo-	*	380.000	J		
P2610-03	HR-02-05242024	Solid	Hexadecane, 2,6,10,14-tetramethyl-	*	300.000	J		
P2610-03	HR-02-05242024	Solid	Hexadecanoic acid, methyl ester	*	1,400.000	J		
P2610-03	HR-02-05242024	Solid	Methyl stearate	*	1,100.000	J		
P2610-03	HR-02-05242024	Solid	n-Hexadecanoic acid	*	550.000	J		
P2610-03	HR-02-05242024	Solid	Nonadecane	*	570.000	J		
P2610-03	HR-02-05242024	Solid	Octadecane	*	620.000	J		
P2610-03	HR-02-05242024	Solid	Octadecanoic acid	*	230.000	J		
P2610-03	HR-02-05242024	Solid	Oleic Acid	*	820.000	J		
P2610-03	HR-02-05242024	Solid	Pentadecane, 2,6,10-trimethyl-	*	340.000	J		
P2610-03	HR-02-05242024	Solid	Tetradecane	*	200.000	J		
Total Tics :					22,890.00			
Total Concentration:					22,890.00			

Client ID : WCS-TPT

P2637-01	WCS-TPT	Solid	1-Phenoxypropan-2-ol	*	53.200	J		
P2637-01	WCS-TPT	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	45.700	A		

Hit Summary Sheet SW-846

SDG No.: BF052924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2637-01	WCS-TPT	Solid	9-Octadecenamide, (Z)-	*	160.000	J		
P2637-01	WCS-TPT	Solid	Butane, 2-methoxy-2-methyl-	*	1,100.000	J		
P2637-01	WCS-TPT	Solid	E-14-Hexadecenal	*	100.000	J		
P2637-01	WCS-TPT	Solid	n-Hexadecanoic acid	*	160.000	J		
P2637-01	WCS-TPT	Solid	Octadecanoic acid	*	94.300	J		
Total Tics :					1,713.20			
P2637-01	WCS-TPT	Solid	Benzo(b)fluoranthene		57.600	J 55.3	120	ug/Kg
P2637-01	WCS-TPT	Solid	Fluoranthene		80.900	J 55.7	120	ug/Kg
P2637-01	WCS-TPT	Solid	Pyrene		70.300	J 56.6	120	ug/Kg
Total Svoc :					208.80			
Total Concentration:					1,922.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF051424 SAS No.: BF051424 SDG No.: BF051424
Instrument ID: _____ Calibration Date(s): 5/14/2024 : _____
Calibration Time(s): 11:17 : _____

LAB FILE ID:		RRF2.5 = BF137910.D			RRF005 = BF137911.D		RRF010 = BF137912.D	
		RRF020 = BF137913.D			RRF040 = BF137914.D		RRF050 = BF137915.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.503	0.501	0.516	0.496	0.495	0.505	1.8
Pyridine		1.050	1.087	1.182	1.160	1.147	1.144	4.8
2-Fluorophenol		1.264	1.212	1.237	1.157	1.118	1.177	5.3
Benzaldehyde			0.935	0.905	0.788	0.736	0.785	14.7
Aniline		1.265	1.259	1.333	1.293	1.279	1.297	2.5
Phenol-d6		1.601	1.511	1.525	1.414	1.372	1.450	6.6
Phenol		1.587	1.517	1.527	1.439	1.402	1.464	5.5
bis(2-Chloroethyl)ether		1.203	1.148	1.170	1.107	1.078	1.124	4.5
2-Chlorophenol		1.371	1.316	1.334	1.260	1.207	1.274	5.3
1,2-Dichlorobenzene		1.540	1.467	1.475	1.359	1.309	1.393	7.2
1,3-Dichlorobenzene		1.596	1.525	1.567	1.446	1.396	1.474	6.0
1,4-Dichlorobenzene		1.598	1.533	1.567	1.452	1.404	1.480	5.8
Benzyl Alcohol		1.024	0.995	1.045	1.012	0.980	1.005	2.4
2-Methylphenol		1.071	1.033	1.054	1.003	0.977	1.016	3.6
2,2-oxybis(1-Chloropropane)		1.475	1.427	1.444	1.371	1.317	1.382	4.9
Acetophenone		0.481	0.467	0.474	0.431	0.431	0.448	5.5
3+4-Methylphenols		1.456	1.382	1.411	1.315	1.261	1.331	6.5
n-Nitroso-di-n-propylamine	0.856	0.851	0.841	0.846	0.801	0.770	0.815	4.7
Nitrobenzene-d5		0.345	0.344	0.358	0.332	0.331	0.340	2.9
Hexachloroethane		0.524	0.500	0.531	0.500	0.480	0.501	4.1
Nitrobenzene		0.350	0.352	0.361	0.337	0.337	0.345	2.8
Isophorone		0.611	0.592	0.616	0.577	0.572	0.590	3.0
2-Nitrophenol		0.159	0.166	0.179	0.175	0.177	0.173	4.5
2,4-Dimethylphenol		0.226	0.220	0.232	0.220	0.221	0.223	2.0
bis(2-Chloroethoxy)methane		0.380	0.365	0.377	0.346	0.343	0.357	4.6
2,4-Dichlorophenol		0.273	0.283	0.296	0.280	0.274	0.280	2.8
1,2,4-Trichlorobenzene		0.334	0.316	0.329	0.304	0.300	0.313	4.4
Benzoic acid			0.148	0.177	0.190	0.195	0.189	12.9
Naphthalene		1.086	1.042	1.070	0.976	0.953	1.006	5.8
4-Chloroaniline		0.317	0.327	0.342	0.329	0.327	0.330	2.3
Hexachlorobutadiene		0.208	0.201	0.207	0.193	0.193	0.198	3.5
Caprolactam		0.080	0.080	0.081	0.083	0.079	0.081	2.3
4-Chloro-3-methylphenol		0.287	0.286	0.300	0.283	0.275	0.285	2.7
2-Methylnaphthalene		0.709	0.672	0.681	0.627	0.617	0.646	6.3
Hexachlorocyclopentadiene		0.171	0.176	0.210	0.213	0.220	0.207	11.4
2,4,6-Trichlorophenol		0.359	0.354	0.373	0.350	0.349	0.357	2.3

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.: BF051424 SAS No.: BF051424 SDG No.: BF051424
Instrument ID: _____ Calibration Date(s): 5/14/2024 : _____
Calibration Time(s): 11:17 _____

LAB FILE ID:		RRF2.5 = BF137910.D			RRF005 = BF137911.D		RRF010 = BF137912.D	
		RRF020 = BF137913.D			RRF040 = BF137914.D		RRF050 = BF137915.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.483	1.396	1.402	1.218	1.212	1.298	9.6
2,4,5-Trichlorophenol		0.393	0.387	0.407	0.389	0.380	0.390	2.2
1,1-Biphenyl		1.537	1.454	1.489	1.333	1.336	1.403	6.3
2-Chloronaphthalene		1.204	1.155	1.187	1.075	1.072	1.120	5.4
2-Nitroaniline		0.272	0.279	0.294	0.290	0.282	0.287	3.2
Dimethylphthalate		1.348	1.294	1.306	1.227	1.187	1.254	4.9
Acenaphthylene		1.709	1.646	1.709	1.575	1.546	1.610	4.8
2,6-Dinitrotoluene		0.286	0.285	0.298	0.288	0.282	0.288	1.7
3-Nitroaniline		0.281	0.274	0.288	0.284	0.277	0.281	1.7
Acenaphthene		1.131	1.070	1.114	1.033	1.029	1.064	4.0
2,4-Dinitrophenol			0.079	0.110	0.138	0.139	0.129	22.9
4-Nitrophenol		0.163	0.187	0.206	0.218	0.209	0.202	10.3
Dibenzofuran		1.681	1.619	1.644	1.497	1.464	1.549	6.2
2,4-Dinitrotoluene		0.346	0.371	0.385	0.385	0.364	0.372	3.8
Diethylphthalate		1.255	1.208	1.214	1.165	1.110	1.171	4.8
4-Chlorophenyl-phenylether		0.649	0.637	0.631	0.593	0.573	0.604	5.6
Fluorene		1.368	1.279	1.277	1.194	1.147	1.225	7.0
4-Nitroaniline		0.255	0.269	0.265	0.279	0.262	0.267	3.0
4,6-Dinitro-2-methylphenol			0.088	0.110	0.120	0.122	0.115	12.9
n-Nitrosodiphenylamine		0.644	0.616	0.649	0.592	0.603	0.613	4.0
Azobenzene		1.144	1.091	1.118	1.049	1.009	1.065	4.9
2,4,6-Tribromophenol		0.206	0.203	0.207	0.205	0.194	0.202	2.4
4-Bromophenyl-phenylether		0.226	0.217	0.230	0.211	0.216	0.219	3.0
Hexachlorobenzene		0.259	0.241	0.253	0.232	0.239	0.242	4.1
Atrazine		0.187	0.185	0.179	0.170	0.156	0.167	10.3
Pentachlorophenol		0.103	0.129	0.148	0.153	0.152	0.142	13.5
Phenanthrene		1.079	1.030	1.041	0.947	0.945	0.986	6.4
Anthracene		1.053	1.008	1.036	0.946	0.941	0.978	5.5
Carbazole		0.961	0.929	0.939	0.875	0.851	0.893	5.4
Di-n-butylphthalate		1.027	1.023	1.020	1.006	0.955	0.991	3.5
Fluoranthene		1.097	1.081	1.039	1.004	0.942	1.000	7.5
Benzidine			0.115	0.118	0.373	0.324	0.261	43.6
Pyrene		1.711	1.660	1.888	1.661	1.739	1.749	4.8
Terphenyl-d14		1.416	1.330	1.458	1.280	1.332	1.357	4.5
Butylbenzylphthalate		0.478	0.493	0.526	0.550	0.535	0.528	6.0
3,3-Dichlorobenzidine		0.301	0.311	0.364	0.349	0.368	0.351	9.2

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.: BF051424 SAS No.: BF051424 SDG No.: BF051424
Instrument ID: _____ Calibration Date(s): 5/14/2024 : _____
Calibration Time(s): 11:17 _____

LAB FILE ID:		RRF2.5 = BF137910.D			RRF005 = BF137911.D		RRF010 = BF137912.D	
		RRF020 = BF137913.D			RRF040 = BF137914.D		RRF050 = BF137915.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.278	1.270	1.317	1.230	1.232	1.265	2.3
Chrysene		1.269	1.211	1.261	1.165	1.171	1.210	3.4
Bis(2-ethylhexyl)phthalate		0.620	0.658	0.647	0.694	0.657	0.663	4.0
Di-n-octyl phthalate		0.780	0.803	0.833	0.931	0.933	0.896	10.2
Benzo(b)fluoranthene		1.198	1.187	1.165	1.207	1.110	1.158	3.7
Benzo(k)fluoranthene		1.233	1.210	1.193	1.127	1.071	1.138	6.5
Benzo(a)pyrene		0.978	0.948	1.018	0.996	0.975	0.989	2.4
Indeno(1,2,3-cd)pyrene		1.061	1.034	1.380	1.248	1.403	1.285	13.6
Dibenzo(a,h)anthracene		0.889	0.863	1.143	1.038	1.155	1.062	12.8
Benzo(g,h,i)perylene		0.931	0.895	1.202	1.070	1.223	1.115	13.5
1,2,4,5-Tetrachlorobenzene		0.587	0.547	0.567	0.518	0.527	0.544	4.7
1,4-Dioxane		0.531	0.510	0.525	0.507	0.488	0.510	2.8
2,3,4,6-Tetrachlorophenol		0.307	0.304	0.319	0.312	0.297	0.306	2.3
1-Methylnaphthalene		0.702	0.671	0.670	0.614	0.600	0.635	7.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF052924 SAS No.: BF052924 SDG NO.: BF052924

EPA Sample No.: SSTDICCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BF137914.D Time Analyzed: 13:12

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	142006	7.045	550835	8.33	311581	10.09
	UPPER LIMIT	284012	7.545	1101670	8.828	623162	10.586
	LOWER LIMIT	71003	6.545	275417.5	7.828	155790.5	9.586
	EPA SAMPLE NO.						
01	PB161170BL	142998	7.03	567269	8.32	331108	10.08
02	PB161170BS	159747	7.04	616668	8.32	343980	10.09
03	EXPE2	103806	7.03	342804	8.32	13301 *	10.10
04	EXPE2MS	95059	7.04	330207	8.32	18847 *	10.10
05	EXPE2MSD	109088	7.04	377163	8.32	75963 *	10.19
06	WCS-TPT	100326	7.03	387984	8.32	217349	10.08
07	HR-02-05242024	80187	7.03	291721	8.32	151287 *	10.09
08	INT-PE1	70426 *	7.03	254913 *	8.32	128461 *	10.09
09	INT-PE2	62031 *	7.03	230588 *	8.32	109892 *	10.09
10	HR-01-05242024	68909 *	7.03	255509 *	8.32	134445 *	10.08

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.



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF052924 SAS No.: BF052924 SDG NO.: BF052924

EPA Sample No.: SSTDCCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BF138054.D Time Analyzed: 13:12

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	149272	7.04	569743	8.32	321541	10.09
UPPER LIMIT	298544	7.54	1139486	8.822	643082	10.586
LOWER LIMIT	74636	6.54	284871.5	7.822	160770.5	9.586
EPA SAMPLE NO.						
01 PB161170BL	142998	7.03	567269	8.32	331108	10.08
02 PB161170BS	159747	7.04	616668	8.32	343980	10.09
03 EXPE2	103806	7.03	342804	8.32	13301 *	10.10
04 EXPE2MS	95059	7.04	330207	8.32	18847 *	10.10
05 EXPE2MSD	109088	7.04	377163	8.32	75963 *	10.19
06 WCS-TPT	100326	7.03	387984	8.32	217349	10.08
07 HR-02-05242024	80187	7.03	291721	8.32	151287 *	10.09
08 INT-PE1	70426 *	7.03	254913 *	8.32	128461 *	10.09
09 INT-PE2	62031 *	7.03	230588 *	8.32	109892 *	10.09
10 HR-01-05242024	68909 *	7.03	255509 *	8.32	134445 *	10.08

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.: BF052924 SAS No.: BF052924 SDG NO.: BF052924

EPA Sample No.: SSTDICCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BF137914.D Time Analyzed: 13:12

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	535112	11.58	324526	14.227	256022	15.786
	UPPER LIMIT	1070224	12.08	649052	14.727	512044	16.286
	LOWER LIMIT	267556	11.08	162263	13.727	128011	15.286
	EPA SAMPLE NO.						
01	PB161170BL	557816	11.58	318422	14.23	285543	15.80
02	PB161170BS	573616	11.58	319016	14.23	305231	15.80
03	EXPE2	4714 *	11.59	177736	14.30	99376 *	15.81
04	EXPE2MS	1516 *	11.62	153629 *	14.30	49654 *	15.80
05	EXPE2MSD	2067 *	11.63	142475 *	14.30	45965 *	15.81
06	WCS-TPT	324949	11.58	189512	14.23	189156	15.80
07	HR-02-05242024	209537 *	11.58	162979	14.23	128502	15.80
08	INT-PE1	171656 *	11.59	150763 *	14.23	132808	15.80
09	INT-PE2	145410 *	11.60	146240 *	14.24	126056 *	15.80
10	HR-01-05242024	191171 *	11.58	146537 *	14.23	119559 *	15.80

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.: BF052924 SAS No.: BF052924 SDG NO.: BF052924

EPA Sample No.: SSTDCCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BF138054.D Time Analyzed: 13:12

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	550617	11.58	310757	14.233	289703	15.804
	UPPER LIMIT	1101234	12.08	621514	14.733	579406	16.304
	LOWER LIMIT	275308.5	11.08	155378.5	13.733	144851.5	15.304
	EPA SAMPLE NO.						
01	PB161170BL	557816	11.58	318422	14.23	285543	15.80
02	PB161170BS	573616	11.58	319016	14.23	305231	15.80
03	EXPE2	4714 *	11.59	177736	14.30	99376 *	15.81
04	EXPE2MS	1516 *	11.62	153629 *	14.30	49654 *	15.80
05	EXPE2MSD	2067 *	11.63	142475 *	14.30	45965 *	15.81
06	WCS-TPT	324949	11.58	189512	14.23	189156	15.80
07	HR-02-05242024	209537 *	11.58	162979	14.23	128502 *	15.80
08	INT-PE1	171656 *	11.59	150763 *	14.23	132808 *	15.80
09	INT-PE2	145410 *	11.60	146240 *	14.24	126056 *	15.80
10	HR-01-05242024	191171 *	11.58	146537 *	14.23	119559 *	15.80

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.: **BF052924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161170BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	1800	ug/Kg	106				10	147	
	Aniline	1700	1000	ug/Kg	59				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	660	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	4000	ug/Kg	121				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				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	1500	ug/Kg	88				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	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	Total PAH	27200	25300	ug/Kg	93				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF052924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161170BS	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	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1900	ug/Kg	112				67	113	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	770	ug/Kg	23				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		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	1900	ug/Kg	112		*		63	111	
	Di-n-octyl phthalate	1700	2200	ug/Kg	129		*		70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				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	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161170BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF052924

SAS No.: BF052924 SDG NO.: BF052924

Lab File ID: BF138055.D

Lab Sample ID: PB161170BL

Instrument ID: BNA_F

Date Extracted: 05/29/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/29/2024

Level: (low/med) LOW

Time Analyzed: 13:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161170BS	PB161170BS	BF138056.D	05/29/2024
EXPE2	P2560-07	BF138057.D	05/29/2024
EXPE2MS	P2560-07MS	BF138058.D	05/29/2024
EXPE2MSD	P2560-07MSD	BF138059.D	05/29/2024
WCS-TPT	P2637-01	BF138060.D	05/29/2024
HR-02-05242024	P2610-03	BF138061.D	05/29/2024
INT-PE1	P2560-09	BF138062.D	05/29/2024
INT-PE2	P2560-10	BF138063.D	05/29/2024
HR-01-05242024	P2610-01	BF138064.D	05/29/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF052924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2560-07MS		Client Sample ID: EXPE2MS		DataFile: BF138058.D							
n-Nitrosodimethylamine	1900		1300	ug/Kg	68				66	124	
Pyridine	1900		1200	ug/Kg	63				45	119	
Benzaldehyde	1900		310	ug/Kg	16	*			26	163	
Aniline	1900		1100	ug/Kg	58				10	88	
Phenol	1900		1600	ug/Kg	84				67	126	
bis(2-Chloroethyl)ether	1900		1600	ug/Kg	84				74	116	
2-Chlorophenol	1900		1600	ug/Kg	84				61	138	
1,2-Dichlorobenzene	1900		1500	ug/Kg	79				61	105	
1,3-Dichlorobenzene	1900		1500	ug/Kg	79				62	101	
1,4-Dichlorobenzene	1900		1500	ug/Kg	79				63	104	
Benzyl Alcohol	1900		1700	ug/Kg	89				47	126	
2-Methylphenol	1900		1600	ug/Kg	84				66	122	
2,2-oxybis(1-Chloropropane)	1900		1600	ug/Kg	84				52	115	
Acetophenone	1900		1800	ug/Kg	95				75	111	
3+4-Methylphenols	1900		1600	ug/Kg	84				53	132	
N-Nitroso-di-n-propylamine	1900		1600	ug/Kg	84				59	119	
Hexachloroethane	1900		1500	ug/Kg	79				65	117	
Nitrobenzene	1900		1600	ug/Kg	84				70	119	
Isophorone	1900		1800	ug/Kg	95				76	122	
2-Nitrophenol	1900		1800	ug/Kg	95				54	145	
2,4-Dimethylphenol	1900		1900	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1900		1700	ug/Kg	89				68	112	
2,4-Dichlorophenol	1900		1600	ug/Kg	84				72	118	
1,2,4-Trichlorobenzene	1900		1600	ug/Kg	84				57	103	
Benzoic acid	1900		1800	ug/Kg	95				50	104	
Naphthalene	1900		1600	ug/Kg	84				72	110	
4-Chloroaniline	1900		990	ug/Kg	52				10	100	
Hexachlorobutadiene	1900		1500	ug/Kg	79				66	114	
Caprolactam	1900		2600	ug/Kg	137	*			51	134	
4-Chloro-3-methylphenol	1900		1900	ug/Kg	100				57	132	
2-Methylnaphthalene	1900		1300	ug/Kg	68				59	123	
Hexachlorocyclopentadiene	3700		19600	ug/Kg	530	*			10	175	
2,4,6-Trichlorophenol	1900		22600	ug/Kg	1189	*			72	117	
2,4,5-Trichlorophenol	1900		29800	ug/Kg	1568	*			72	117	
1,1-Biphenyl	1900		12500	ug/Kg	658	*			75	113	
2-Chloronaphthalene	1900		11500	ug/Kg	605	*			67	118	
2-Nitroaniline	1900		14300	ug/Kg	753	*			69	127	
Dimethylphthalate	1900		18200	ug/Kg	958	*			70	113	
Acenaphthylene	1900		10700	ug/Kg	563	*			79	118	
2,6-Dinitrotoluene	1900		10700	ug/Kg	563	*			70	125	
3-Nitroaniline	1900		8800	ug/Kg	463	*			20	111	
Acenaphthene	1900		7700	ug/Kg	405	*			70	121	
Total PAH	30400		310660	ug/Kg	1022	*			70	121	
2,4-Dinitrophenol	3700		7900	ug/Kg	214	*			16	160	
4-Nitrophenol	3700		16800	ug/Kg	454	*			45	133	
Dibenzofuran	1900		8400	ug/Kg	442	*			72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF052924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1900		860	ug/Kg	45	*			55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		11560	ug/Kg	304	*			55	128	
Diethylphthalate	1900		7300	ug/Kg	384	*			70	112	
4-Chlorophenyl-phenylether	1900		1800	ug/Kg	95				71	108	
Fluorene	1900		4700	ug/Kg	247	*			68	116	
4-Nitroaniline	1900		1700	ug/Kg	89				55	120	
4,6-Dinitro-2-methylphenol	1900		21300	ug/Kg	1121	*			32	145	
N-Nitrosodiphenylamine	1900		208700	ug/Kg	10984	*			73	118	
Azobenzene	1900		640	ug/Kg	34	*			73	110	
4-Bromophenyl-phenylether	1900		4500	ug/Kg	237	*			65	121	
Hexachlorobenzene	1900		20600	ug/Kg	1084	*			67	118	
Atrazine	1900		26300	ug/Kg	1384	*			79	127	
Pentachlorophenol	3700		474100	ug/Kg	12814	*			47	128	
Phenanthrene	1900		65400	ug/Kg	3442	*			72	113	
Anthracene	1900		114700	ug/Kg	6037	*			62	124	
Carbazole	1900		88300	ug/Kg	4647	*			59	119	
Di-n-butylphthalate	1900		9800	ug/Kg	516	*			69	118	
Fluoranthene	1900		89200	ug/Kg	4695	*			59	125	
Benzydine	3700			ug/Kg	0	*			10	119	
Pyrene	1900		660	ug/Kg	35	*			52	128	
Butylbenzylphthalate	1900		2800	ug/Kg	147	*			64	126	
3,3-Dichlorobenzidine	1900		2100	ug/Kg	111				10	164	
Benzo(a)anthracene	1900		1700	ug/Kg	89				71	114	
Chrysene	1900		1600	ug/Kg	84				57	121	
bis(2-Ethylhexyl)phthalate	1900		1900	ug/Kg	100				66	127	
Di-n-octyl phthalate	1900		1400	ug/Kg	74				71	126	
Benzo(b)fluoranthene	1900		2400	ug/Kg	126	*			67	121	
Benzo(k)fluoranthene	1900		2300	ug/Kg	121	*			74	114	
Benzo(a)pyrene	1900		2000	ug/Kg	105				70	142	
Indeno(1,2,3-cd)pyrene	1900		2000	ug/Kg	105				61	125	
Dibenz(a,h)anthracene	1900		2000	ug/Kg	105				67	130	
Benzo(g,h,i)perylene	1900		2000	ug/Kg	105				53	140	
1,2,4,5-Tetrachlorobenzene	1900		13800	ug/Kg	726	*			69	124	
1,4-Dioxane	1900		1000	ug/Kg	53				46	112	
2,3,4,6-Tetrachlorophenol	1900		25500	ug/Kg	1342	*			56	133	
1-Methylnaphthalene	1900		1500	ug/Kg	79				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF052924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2560-07MSD		Client Sample ID: EXPE2MSD		DataFile: BF138059.D							
n-Nitrosodimethylamine	1900		1200	ug/Kg	63	*	8		66	124	20
Pyridine	1900		1100	ug/Kg	58		8		45	119	20
Benzaldehyde	1900		320	ug/Kg	17	*	6		26	163	20
Aniline	1900		1100	ug/Kg	58		0		10	88	20
Phenol	1900		1600	ug/Kg	84		0		67	126	20
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79		6		74	116	20
2-Chlorophenol	1900		1600	ug/Kg	84		0		61	138	20
1,2-Dichlorobenzene	1900		1500	ug/Kg	79		0		61	105	20
1,3-Dichlorobenzene	1900		1400	ug/Kg	74		7		62	101	20
1,4-Dichlorobenzene	1900		1500	ug/Kg	79		0		63	104	20
Benzyl Alcohol	1900		1600	ug/Kg	84		6		47	126	20
2-Methylphenol	1900		1500	ug/Kg	79		6		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1500	ug/Kg	79		6		52	115	20
Acetophenone	1900		1800	ug/Kg	95		0		75	111	20
3+4-Methylphenols	1900		1500	ug/Kg	79		6		53	132	20
N-Nitroso-di-n-propylamine	1900		1600	ug/Kg	84		0		59	119	20
Hexachloroethane	1900		1500	ug/Kg	79		0		65	117	20
Nitrobenzene	1900		1600	ug/Kg	84		0		70	119	20
Isophorone	1900		1700	ug/Kg	89		7		76	122	20
2-Nitrophenol	1900		1700	ug/Kg	89		7		54	145	20
2,4-Dimethylphenol	1900		1800	ug/Kg	95		5		83	144	20
bis(2-Chloroethoxy)methane	1900		1700	ug/Kg	89		0		68	112	20
2,4-Dichlorophenol	1900		1600	ug/Kg	84		0		72	118	20
1,2,4-Trichlorobenzene	1900		1600	ug/Kg	84		0		57	103	20
Benzoic acid	1900		1600	ug/Kg	84		12		50	104	20
Naphthalene	1900		1600	ug/Kg	84		0		72	110	20
4-Chloroaniline	1900		960	ug/Kg	51		2		10	100	20
Hexachlorobutadiene	1900		1500	ug/Kg	79		0		66	114	20
Caprolactam	1900		2200	ug/Kg	116		17		51	134	20
4-Chloro-3-methylphenol	1900		1700	ug/Kg	89		12		57	132	20
2-Methylnaphthalene	1900		1200	ug/Kg	63		8		59	123	20
Hexachlorocyclopentadiene	3700		5000	ug/Kg	135		119	*	10	175	20
2,4,6-Trichlorophenol	1900		5900	ug/Kg	311	*	117	*	72	117	20
2,4,5-Trichlorophenol	1900		6100	ug/Kg	321	*	132	*	72	117	20
1,1-Biphenyl	1900		3200	ug/Kg	168	*	119	*	75	113	20
2-Chloronaphthalene	1900		3200	ug/Kg	168	*	113	*	67	118	20
2-Nitroaniline	1900		3700	ug/Kg	195	*	118	*	69	127	20
Dimethylphthalate	1900		4500	ug/Kg	237	*	121	*	70	113	20
Acenaphthylene	1900		2700	ug/Kg	142	*	119	*	79	118	20
2,6-Dinitrotoluene	1900		150	ug/Kg	8	*	194	*	70	125	20
3-Nitroaniline	1900		2700	ug/Kg	142	*	106	*	20	111	20
Acenaphthene	1900		1900	ug/Kg	100		121	*	70	121	20
Total PAH	30400		216210	ug/Kg	711	*	36	*	70	121	20
2,4-Dinitrophenol	3700		1800	ug/Kg	49		125	*	16	160	20
4-Nitrophenol	3700		4700	ug/Kg	127		113	*	45	133	20
Dibenzofuran	1900		2000	ug/Kg	105		123	*	72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF052924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1900		1100	ug/Kg	58		25	*	55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		1250	ug/Kg	33	*	161	*	55	128	20
Diethylphthalate	1900		2200	ug/Kg	116	*	107	*	70	112	20
4-Chlorophenyl-phenylether	1900			ug/Kg	0	*	200	*	71	108	20
Fluorene	1900		2200	ug/Kg	116		72	*	68	116	20
4-Nitroaniline	1900		2400	ug/Kg	126	*	34	*	55	120	20
4,6-Dinitro-2-methylphenol	1900		154800	ug/Kg	8147	*	152	*	32	145	20
N-Nitrosodiphenylamine	1900		141900	ug/Kg	7468	*	38	*	73	118	20
Azobenzene	1900		580	ug/Kg	31	*	9		73	110	20
4-Bromophenyl-phenylether	1900		67300	ug/Kg	3542	*	175	*	65	121	20
Hexachlorobenzene	1900		21700	ug/Kg	1142	*	5		67	118	20
Atrazine	1900		152400	ug/Kg	8021	*	141	*	79	127	20
Pentachlorophenol	3700		368100	ug/Kg	9949	*	25	*	47	128	20
Phenanthrene	1900		55100	ug/Kg	2900	*	17		72	113	20
Anthracene	1900		78100	ug/Kg	4111	*	38	*	62	124	20
Carbazole	1900		43700	ug/Kg	2300	*	68	*	59	119	20
Di-n-butylphthalate	1900		5800	ug/Kg	305	*	51	*	69	118	20
Fluoranthene	1900		59300	ug/Kg	3121	*	40	*	59	125	20
Benzidine	3700			ug/Kg	0	*			10	119	20
Pyrene	1900		810	ug/Kg	43	*	21	*	52	128	20
Butylbenzylphthalate	1900		2400	ug/Kg	126		15		64	126	20
3,3-Dichlorobenzidine	1900		2100	ug/Kg	111		0		10	164	20
Benzo(a)anthracene	1900		1600	ug/Kg	84		6		71	114	20
Chrysene	1900		1600	ug/Kg	84		0		57	121	20
bis(2-Ethylhexyl)phthalate	1900		1800	ug/Kg	95		5		66	127	20
Di-n-octyl phthalate	1900		1300	ug/Kg	68	*	8		71	126	20
Benzo(b)fluoranthene	1900		2300	ug/Kg	121		4		67	121	20
Benzo(k)fluoranthene	1900		2100	ug/Kg	111		9		74	114	20
Benzo(a)pyrene	1900		1800	ug/Kg	95		10		70	142	20
Indeno(1,2,3-cd)pyrene	1900		1700	ug/Kg	89		16		61	125	20
Dibenz(a,h)anthracene	1900		1700	ug/Kg	89		16		67	130	20
Benzo(g,h,i)perylene	1900		1700	ug/Kg	89		16		53	140	20
1,2,4,5-Tetrachlorobenzene	1900		3700	ug/Kg	195	*	115	*	69	124	20
1,4-Dioxane	1900		930	ug/Kg	49		8		46	112	20
2,3,4,6-Tetrachlorophenol	1900		6100	ug/Kg	321	*	123	*	56	133	20
1-Methylnaphthalene	1900		1400	ug/Kg	74		7		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF052924**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2560-07	EXPE2	BF138057.D	2-Fluorophenol	150	101.94	68		18	112
			Phenol-d6	150	100.49	67		15	107
			Nitrobenzene-d5	100	72.46	72		18	107
			2-Fluorobiphenyl	100	811.91	812	*	20	109
			2,4,6-Tribromophenol	150	148.07	99		10	110
			Terphenyl-d14	100	38.53	39		14	112
P2560-07MS	EXPE2MS	BF138058.D	2-Fluorophenol	150	109.10	73		18	112
			Phenol-d6	150	111.39	74		15	107
			Nitrobenzene-d5	100	80.08	80		18	107
			2-Fluorobiphenyl	100	636.91	637	*	20	109
			2,4,6-Tribromophenol	150	167.87	112	*	10	110
			Terphenyl-d14	100	44.12	44		14	112
P2560-07MSD	EXPE2MSD	BF138059.D	2-Fluorophenol	150	101.28	68		18	112
			Phenol-d6	150	105.40	70		15	107
			Nitrobenzene-d5	100	78.94	79		18	107
			2-Fluorobiphenyl	100	168.51	169	*	20	109
			2,4,6-Tribromophenol	150	45.10	30		10	110
			Terphenyl-d14	100	50.08	50		14	112
P2560-09	INT-PE1	BF138062.D	2-Fluorophenol	150	82.61	55		18	112
			Phenol-d6	150	81.92	55		15	107
			Nitrobenzene-d5	100	58.18	58		18	107
			2-Fluorobiphenyl	100	73.28	73		20	109
			2,4,6-Tribromophenol	150	84.46	56		10	110
			Terphenyl-d14	100	49.08	49		14	112
P2560-10	INT-PE2	BF138063.D	2-Fluorophenol	150	65.29	44		18	112
			Phenol-d6	150	67.87	45		15	107
			Nitrobenzene-d5	100	48.66	49		18	107
			2-Fluorobiphenyl	100	61.83	62		20	109
			2,4,6-Tribromophenol	150	73.49	49		10	110
			Terphenyl-d14	100	40.88	41		14	112
P2610-01	HR-01-05242024	BF138064.D	2-Fluorophenol	150	45.20	30		18	112
			Phenol-d6	150	47.65	32		15	107
			Nitrobenzene-d5	100	34.39	34		18	107
			2-Fluorobiphenyl	100	37.88	38		20	109
			2,4,6-Tribromophenol	150	42.40	28		10	110
			Terphenyl-d14	100	28.64	29		14	112
P2610-03	HR-02-05242024	BF138061.D	2-Fluorophenol	150	55.56	37		18	112
			Phenol-d6	150	55.80	37		15	107
			Nitrobenzene-d5	100	39.52	40		18	107
			2-Fluorobiphenyl	100	46.74	47		20	109
			2,4,6-Tribromophenol	150	56.76	38		10	110
			Terphenyl-d14	100	34.23	34		14	112
P2637-01	WCS-TPT	BF138060.D	2-Fluorophenol	150	109.46	73		18	112
			Phenol-d6	150	109.96	73		15	107
			Nitrobenzene-d5	100	73.46	73		18	107
			2-Fluorobiphenyl	100	72.59	73		20	109
			2,4,6-Tribromophenol	150	111.71	74		10	110
			Terphenyl-d14	100	65.20	65		14	112
PB161170BL	PB161170BL	BF138055.D	2-Fluorophenol	150	131.66	88		18	112



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

Surrogate Summary

SW-846

SDG No.: **BF052924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161170BL	PB161170BL	BF138055.D	Phenol-d6	150	128.69	86		15	107
			Nitrobenzene-d5	100	87.40	87		18	107
			2-Fluorobiphenyl	100	86.18	86		20	109
			2,4,6-Tribromophenol	150	137.25	92		10	110
			Terphenyl-d14	100	91.38	91		14	112
PB161170BS	PB161170BS	BF138056.D	2-Fluorophenol	150	122.78	82		18	112
			Phenol-d6	150	119.76	80		15	107
			Nitrobenzene-d5	100	82.62	83		18	107
			2-Fluorobiphenyl	100	83.45	83		20	109
			2,4,6-Tribromophenol	150	139.49	93		10	110
			Terphenyl-d14	100	87.83	88		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF052924

Lab Code: CHEM

SAS No.: BF052924

SDG NO.: BF052924

Lab File ID: BF138053.D

DFTPP Injection Date: 05/29/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:27

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.2
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.9
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	6.3
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138054.D	05/29/2024	11:55
PB161170BL	PB161170BL	BF138055.D	05/29/2024	13:12
PB161170BS	PB161170BS	BF138056.D	05/29/2024	13:40
EXPE2	P2560-07	BF138057.D	05/29/2024	14:13
EXPE2MS	P2560-07MS	BF138058.D	05/29/2024	14:43
EXPE2MSD	P2560-07MSD	BF138059.D	05/29/2024	15:12
WCS-TPT	P2637-01	BF138060.D	05/29/2024	15:40
HR-02-05242024	P2610-03	BF138061.D	05/29/2024	16:09
INT-PE1	P2560-09	BF138062.D	05/29/2024	16:38
INT-PE2	P2560-10	BF138063.D	05/29/2024	17:08
HR-01-05242024	P2610-01	BF138064.D	05/29/2024	17:37