



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG No.: BF032124

Instrument ID: BNA_F Calibration Date/Time: 3/21/2024 1:13:00

Lab File ID: BF137658.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	0.652	0.612		-6.135	
Pyridine	1.741	1.684		-3.274	
2-Fluorophenol	1.321	1.270		-3.861	
Benzaldehyde	0.934	0.878		-5.996	
Aniline	2.329	2.154		-7.514	
Phenol-d6	1.906	1.726		-9.444	
Phenol	2.052	1.875		-8.626	20.0
bis(2-Chloroethyl)ether	1.503	1.361		-9.448	
2-Chlorophenol	1.393	1.311		-5.887	
1,2-Dichlorobenzene	1.398	1.311		-6.223	
1,3-Dichlorobenzene	1.488	1.419		-4.637	
1,4-Dichlorobenzene	1.523	1.439		-5.515	20.0
Benzyl Alcohol	1.187	1.089		-8.256	
2-Methylphenol	1.303	1.215		-6.754	
2,2-oxybis(1-Chloropropane)	2.584	2.126		-17.724	
Acetophenone	0.484	0.451		-6.818	
3+4-Methylphenols	1.493	1.360		-8.908	
n-Nitroso-di-n-propylamine	1.177	1.002	0.050	-14.868	
Nitrobenzene-d5	0.430	0.403		-6.279	
Hexachloroethane	0.501	0.488		-2.595	
Nitrobenzene	0.432	0.409		-5.324	
Isophorone	0.818	0.744		-9.046	
2-Nitrophenol	0.172	0.177		2.907	20.0
2,4-Dimethylphenol	0.321	0.311		-3.115	
bis(2-Chloroethoxy)methane	0.480	0.454		-5.417	
2,4-Dichlorophenol	0.294	0.287		-2.381	20.0
1,2,4-Trichlorobenzene	0.310	0.303		-2.258	
Benzoic acid	0.167	0.151		-9.581	
Naphthalene	1.073	0.993		-7.456	
4-Chloroaniline	0.421	0.404		-4.038	
Hexachlorobutadiene	0.183	0.182		-0.546	20.0
Caprolactam	0.100	0.094		-6.0	
4-Chloro-3-methylphenol	0.329	0.309		-6.079	20.0
2-Methylnaphthalene	0.684	0.635		-7.164	
Hexachlorocyclopentadiene	0.180	0.237	0.050	31.667	
2,4,6-Trichlorophenol	0.364	0.357		-1.923	20.0
2-Fluorobiphenyl	1.278	1.187		-7.121	
2,4,5-Trichlorophenol	0.419	0.405		-3.341	
1,1-Biphenyl	1.464	1.388		-5.191	
2-Chloronaphthalene	1.116	1.065		-4.57	
2-Nitroaniline	0.379	0.375		-1.055	

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 Lab File ID: BF137658.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
Dimethylphthalate	1.392	1.332		-4.31	
Acenaphthylene	1.786	1.641		-8.119	
2,6-Dinitrotoluene	0.291	0.292		0.344	
3-Nitroaniline	0.308	0.297		-3.571	
Acenaphthene	1.066	0.974		-8.63	20.0
2,4-Dinitrophenol	0.111	0.132	0.050	18.919	
4-Nitrophenol	0.190	0.197	0.050	3.684	
Dibenzofuran	1.624	1.468		-9.606	
2,4-Dinitrotoluene	0.358	0.357		-0.279	
Diethylphthalate	1.315	1.223		-6.996	
4-Chlorophenyl-phenylether	0.611	0.561		-8.183	
Fluorene	1.247	1.107		-11.227	
4-Nitroaniline	0.265	0.248		-6.415	
4,6-Dinitro-2-methylphenol	0.111	0.121		9.009	
n-Nitrosodiphenylamine	0.644	0.632		-1.863	20.0
Azobenzene	1.514	1.309		-13.54	
2,4,6-Tribromophenol	0.176	0.180		2.273	
4-Bromophenyl-phenylether	0.218	0.228		4.587	
Hexachlorobenzene	0.220	0.227		3.182	
Atrazine	0.196	0.201		2.551	
Pentachlorophenol	0.133	0.128		-3.759	20.0
Phenanthrene	1.088	1.006		-7.537	
Anthracene	1.118	1.051		-5.993	
Carbazole	0.958	0.892		-6.889	
Di-n-butylphthalate	1.139	1.103		-3.161	
Fluoranthene	1.064	0.967		-9.117	20.0
Benzidine	0.489	0.384		-21.472	
Pyrene	1.962	1.660		-15.392	
Terphenyl-d14	1.454	1.254		-13.755	
Butylbenzylphthalate	0.501	0.620		23.752	
3,3-Dichlorobenzidine	0.373	0.416		11.528	
Benzo (a) anthracene	1.402	1.259		-10.2	
Chrysene	1.417	1.320		-6.845	
Bis (2-ethylhexyl) phthalate	0.637	0.799		25.432	
Di-n-octyl phthalate	1.120	1.343		19.911	20.0
Benzo (b) fluoranthene	1.183	1.147		-3.043	
Benzo (k) fluoranthene	1.271	1.155		-9.127	
Benzo (a) pyrene	1.166	1.110		-4.803	20.0
Indeno (1,2,3-cd) pyrene	1.316	1.190		-9.574	
Dibenzo (a,h) anthracene	1.068	0.956		-10.487	
Benzo (g,h,i) perylene	1.096	0.981		-10.493	



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Instrument ID: BNA_F Calibration Date/Time: 3/21/2024 1:13:00
Lab File ID: BF137658.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
1,2,4,5-Tetrachlorobenzene	0.558	0.560		0.358	
1,4-Dioxane	0.722	0.660		-8.587	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.319		-5.06	
1-Methylnaphthalene	0.644	0.595		-7.609	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BF032124
Lab Sample ID:	PB159682BL	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
BF137659.D	1	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BF032124
Lab Sample ID:	PB159682BL	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
BF137659.D	1	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	69.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BF032124
Lab Sample ID:	PB159682BL	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
BF137659.D	1	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114.533		18-112		76	SPK: -150
13127-88-3	Phenol-d6	106.183		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	76.122		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	78.583		20-109		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.935		10-110		90	SPK: -150
1718-51-0	Terphenyl-d14	70.115		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	228029	6.728				
1146-65-2	Naphthalene-d8	887480	8.004				
15067-26-2	Acenaphthene-d10	472927	9.757				
1517-22-2	Phenanthrene-d10	821502	11.245				
1719-03-5	Chrysene-d12	513318	13.874				
1520-96-3	Perylene-d12	453295	15.304				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BF032124
Lab Sample ID:	PB159682BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137659.D	1	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			4.957	
000111-06-8	Hexadecanoic acid, butyl ester	81.3	J			12.651	
000630-01-3	Hexacosane	78.6	J			14.974	
000112-95-8	Eicosane	100	J			15.745	
000630-02-4	Octacosane	100	J			16.221	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	81.6	J			16.38	
1000309-12-4	Sulfurous acid, 2-propyl tridecyl	77	J			16.78	

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BL	SDG No.:	BF032124
Lab Sample ID:	PB159709BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137660.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BL	SDG No.:	BF032124
Lab Sample ID:	PB159709BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137660.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BL	SDG No.:	BF032124
Lab Sample ID:	PB159709BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137660.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	117.551		10-139		78	SPK: -150
13127-88-3	Phenol-d6	109.314		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	80.369		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	83.503		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	126.343		32-145		84	SPK: -150
1718-51-0	Terphenyl-d14	73.606		36-145		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	218764	6.728				
1146-65-2	Naphthalene-d8	855080	8.004				
15067-26-2	Acenaphthene-d10	453094	9.757				
1517-22-2	Phenanthrene-d10	782297	11.239				
1719-03-5	Chrysene-d12	482699	13.874				
1520-96-3	Perylene-d12	409239	15.298				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BL	SDG No.:	BF032124
Lab Sample ID:	PB159709BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 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
BF137660.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BS	SDG No.:	BF032124
Lab Sample ID:	PB159709BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137661.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39.2		1	8	10	ug/L
110-86-1	Pyridine	31.1		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	22		1.6	4	5	ug/L
108-95-2	Phenol	39.7		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.8		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	45.4		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.8		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.5		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.6		1.6	8	10	ug/L
95-48-7	2-Methylphenol	39.9		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.8		1.4	4	5	ug/L
98-86-2	Acetophenone	45.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	39.4		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46.2		1	4	5	ug/L
98-95-3	Nitrobenzene	42.1		1.3	4	5	ug/L
78-59-1	Isophorone	41.8		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	48.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38.8		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	39.4		5.5	8	10	ug/L
91-20-3	Naphthalene	41.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	10.7		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.5		1.3	4	5	ug/L
105-60-2	Caprolactam	45.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.3		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.6		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BS	SDG No.:	BF032124
Lab Sample ID:	PB159709BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137661.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	86.2	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	42.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46.1		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	45.7		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.3		0.93	4	5	ug/L
208-96-8	Acenaphthylene	44.9		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	47.6		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	22		1.4	4	5	ug/L
83-32-9	Acenaphthene	42.6		0.81	4	5	ug/L
Total PAH	Total PAH	685.3		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	86.9	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	78.9		2	8	10	ug/L
132-64-9	Dibenzofuran	41.5		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	43.1		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	45.5		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.6		0.98	4	5	ug/L
86-73-7	Fluorene	42.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	40.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.9		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.9		0.89	4	5	ug/L
103-33-3	Azobenzene	40.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	46		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	50.3		1.1	4	5	ug/L
1912-24-9	Atrazine	47.3		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	83.8	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	42.2		0.89	4	5	ug/L
120-12-7	Anthracene	42.1		1.1	4	5	ug/L
86-74-8	Carbazole	42.7		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	41		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BS	SDG No.:	BF032124
Lab Sample ID:	PB159709BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137661.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	18.6		4.1	8	10	ug/L
129-00-0	Pyrene	40		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	58.3		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	34		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	42.1		0.94	4	5	ug/L
218-01-9	Chrysene	41.8		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	58.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	51.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	42.6		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	42.7		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.5		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.7		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.6		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	40.9		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.468		10-139		81	SPK: -150
13127-88-3	Phenol-d6	112.539		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	81.824		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	85.846		52-132		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	145.597		32-145		97	SPK: -150
1718-51-0	Terphenyl-d14	80.391		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	197121	6.728				
1146-65-2	Naphthalene-d8	774609	8.01				
15067-26-2	Acenaphthene-d10	401368	9.763				
1517-22-2	Phenanthrene-d10	672185	11.245				
1719-03-5	Chrysene-d12	377607	13.88				
1520-96-3	Perylene-d12	359324	15.298				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159709BS	SDG No.:	BF032124
Lab Sample ID:	PB159709BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137661.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159676TB	SDG No.:	BF032124
Lab Sample ID:	PB159676TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137662.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159676TB	SDG No.:	BF032124
Lab Sample ID:	PB159676TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137662.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159676TB	SDG No.:	BF032124
Lab Sample ID:	PB159676TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137662.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.204		10-139		83	SPK: -150
13127-88-3	Phenol-d6	112.532		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	79.744		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	80.96		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.824		32-145		87	SPK: -150
1718-51-0	Terphenyl-d14	77.486		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	166759	6.728				
1146-65-2	Naphthalene-d8	657283	8.004				
15067-26-2	Acenaphthene-d10	369194	9.757				
1517-22-2	Phenanthrene-d10	634161	11.239				
1719-03-5	Chrysene-d12	380128	13.874				
1520-96-3	Perylene-d12	322102	15.298				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159676TB	SDG No.:	BF032124
Lab Sample ID:	PB159676TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137662.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BF032124
Lab Sample ID:	P1803-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137663.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BF032124
Lab Sample ID:	P1803-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137663.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BF032124
Lab Sample ID:	P1803-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137663.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.465		10-139		80	SPK: -150
13127-88-3	Phenol-d6	99.539		10-134		66	SPK: -150
4165-60-0	Nitrobenzene-d5	84.927		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	92.169		52-132		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	132.669		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	68.036		36-145		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126470	6.728				
1146-65-2	Naphthalene-d8	482042	8.004				
15067-26-2	Acenaphthene-d10	250370	9.757				
1517-22-2	Phenanthrene-d10	375418	11.239				
1719-03-5	Chrysene-d12	271064	13.874				
1520-96-3	Perylene-d12	269614	15.298				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BF032124
Lab Sample ID:	P1803-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 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
BF137663.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BF032124
Lab Sample ID:	P1803-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137664.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	380		10.3	80	100	ug/L
110-86-1	Pyridine	230		15.5	40	50	ug/L
100-52-7	Benzaldehyde	57.4	J	40	80	100	ug/L
62-53-3	Aniline	51.6		16	40	50	ug/L
108-95-2	Phenol	330		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	410		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	430		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	450		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	440		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	430		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	410		16	80	100	ug/L
95-48-7	2-Methylphenol	370		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	360		13.5	40	50	ug/L
98-86-2	Acetophenone	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	380		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	380		14.8	25	25	ug/L
67-72-1	Hexachloroethane	450		10.1	40	50	ug/L
98-95-3	Nitrobenzene	410		12.7	40	50	ug/L
78-59-1	Isophorone	400		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	460		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	340		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	420		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	430		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	450		11	40	50	ug/L
65-85-0	Benzoic acid	350		54.7	80	100	ug/L
91-20-3	Naphthalene	420		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	30.9	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	450		12.7	40	50	ug/L
105-60-2	Caprolactam	340		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	410		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	410		11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BF032124
Lab Sample ID:	P1803-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137664.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	850	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	460		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	430		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	450		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	470		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	420		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	440		9.3	40	50	ug/L
208-96-8	Acenaphthylene	450		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	450		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	40.7	J	13.7	40	50	ug/L
83-32-9	Acenaphthene	430		8.1	40	50	ug/L
Total PAH	Total PAH	6550		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	720		64.2	80	100	ug/L
100-02-7	4-Nitrophenol	620		20	80	100	ug/L
132-64-9	Dibenzofuran	420		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	450		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	900		27.6	40	100	ug/L
84-66-2	Diethylphthalate	430		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	430		9.8	40	50	ug/L
86-73-7	Fluorene	420		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	290		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	460		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	460		8.9	40	50	ug/L
103-33-3	Azobenzene	400		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	490		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	510		11.4	40	50	ug/L
1912-24-9	Atrazine	370		12.6	40	50	ug/L
87-86-5	Pentachlorophenol	820	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	440		8.9	40	50	ug/L
120-12-7	Anthracene	430		10.7	40	50	ug/L
86-74-8	Carbazole	420		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	450		14.7	40	50	ug/L
206-44-0	Fluoranthene	410		12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BF032124
Lab Sample ID:	P1803-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137664.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	330		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	480		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	77.6	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	420		9.4	40	50	ug/L
218-01-9	Chrysene	420		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	490		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	480		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	480		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	430		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	430		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	360		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	370		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	310		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	470		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	360		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	430		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	400		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	118.196		10-139		79	SPK: -150
13127-88-3	Phenol-d6	99.171		10-134		66	SPK: -150
4165-60-0	Nitrobenzene-d5	83.352		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	87.814		52-132		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	135.523		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	67.229		36-145		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144535	6.728				
1146-65-2	Naphthalene-d8	555813	8.01				
15067-26-2	Acenaphthene-d10	287677	9.757				
1517-22-2	Phenanthrene-d10	433543	11.245				
1719-03-5	Chrysene-d12	292556	13.88				
1520-96-3	Perylene-d12	323087	15.298				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BF032124
Lab Sample ID:	P1803-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BF137664.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BF032124
Lab Sample ID:	P1803-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137665.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	270		15.5	40	50	ug/L
100-52-7	Benzaldehyde	61.4	J	40	80	100	ug/L
62-53-3	Aniline	53.9		16	40	50	ug/L
108-95-2	Phenol	370		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	450		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	480		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	500		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	480		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	470		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	460		16	80	100	ug/L
95-48-7	2-Methylphenol	400		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	390		13.5	40	50	ug/L
98-86-2	Acetophenone	480		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	420		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	420		14.8	25	25	ug/L
67-72-1	Hexachloroethane	500		10.1	40	50	ug/L
98-95-3	Nitrobenzene	450		12.7	40	50	ug/L
78-59-1	Isophorone	440		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	500		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	370		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	460		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	480		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	490		11	40	50	ug/L
65-85-0	Benzoic acid	400		54.7	80	100	ug/L
91-20-3	Naphthalene	460		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	30.4	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	480		12.7	40	50	ug/L
105-60-2	Caprolactam	390		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	450		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	450		11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BF032124
Lab Sample ID:	P1803-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137665.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	920	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	490		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	460		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	490		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	490		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	460		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	480		9.3	40	50	ug/L
208-96-8	Acenaphthylene	490		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	490		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	44.4	J	13.7	40	50	ug/L
83-32-9	Acenaphthene	460		8.1	40	50	ug/L
Total PAH	Total PAH	7180		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	810	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	690		20	80	100	ug/L
132-64-9	Dibenzofuran	460		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	490		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	980		27.6	40	100	ug/L
84-66-2	Diethylphthalate	460		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	460		9.8	40	50	ug/L
86-73-7	Fluorene	450		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	330		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	500		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	490		8.9	40	50	ug/L
103-33-3	Azobenzene	430		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	520		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	540		11.4	40	50	ug/L
1912-24-9	Atrazine	410		12.6	40	50	ug/L
87-86-5	Pentachlorophenol	910	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	470		8.9	40	50	ug/L
120-12-7	Anthracene	460		10.7	40	50	ug/L
86-74-8	Carbazole	450		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		14.7	40	50	ug/L
206-44-0	Fluoranthene	430		12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BF032124
Lab Sample ID:	P1803-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137665.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	380		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	550		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	91.7	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	460		9.4	40	50	ug/L
218-01-9	Chrysene	470		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	560		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	520		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	530		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	490		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	400		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	410		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	350		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	510		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	400		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	460		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	440		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.71		10-139		86	SPK: -150
13127-88-3	Phenol-d6	109.63		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	90.778		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	94.34		52-132		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	147.863		32-145		99	SPK: -150
1718-51-0	Terphenyl-d14	76.202		36-145		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135306	6.728				
1146-65-2	Naphthalene-d8	522520	8.01				
15067-26-2	Acenaphthene-d10	278590	9.757				
1517-22-2	Phenanthrene-d10	431038	11.245				
1719-03-5	Chrysene-d12	274642	13.88				
1520-96-3	Perylene-d12	293003	15.298				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BF032124
Lab Sample ID:	P1803-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137665.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	72-12002	SDG No.:	BF032124
Lab Sample ID:	P1821-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137666.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.1	U	52.1	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.4	U	48.4	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	78	100	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.5	U	51.5	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.6	U	49.6	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.6	U	49.6	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	72-12002	SDG No.:	BF032124
Lab Sample ID:	P1821-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137666.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	93.6	U	93.6	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.7	U	48.7	78	100	ug/Kg
Total PAH	Total PAH	795.2	U	795.2	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
84-66-2	Diethylphthalate	48.1	U	48.1	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	49	U	49	78	100	ug/Kg
103-33-3	Azobenzene	47.8	U	47.8	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	78	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	72-12002	SDG No.:	BF032124
Lab Sample ID:	P1821-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137666.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	97.8	U	97.8	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58.1	U	58.1	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.7	U	48.7	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.6	U	49.6	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.9	U	46.9	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48.1	U	48.1	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52.1	U	52.1	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.611		18-112		60	SPK: -150
13127-88-3	Phenol-d6	84.151		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	59.585		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	68.957		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	75.526		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	45.749		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113479	6.727				
1146-65-2	Naphthalene-d8	434503	8.004				
15067-26-2	Acenaphthene-d10	222856	9.757				
1517-22-2	Phenanthrene-d10	334423	11.239				
1719-03-5	Chrysene-d12	246015	13.874				
1520-96-3	Perylene-d12	272409	15.298				



Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	72-12002	SDG No.:	BF032124
Lab Sample ID:	P1821-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137666.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB02	SDG No.:	BF032124
Lab Sample ID:	P1817-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.8
Sample Wt/Vol:	30.02	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
BF137667.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	180	U	180	550	670	ug/Kg
110-86-1	Pyridine	160	U	160	260	350	ug/Kg
100-52-7	Benzaldehyde	370	U	370	550	670	ug/Kg
62-53-3	Aniline	200	U	200	260	350	ug/Kg
108-95-2	Phenol	170	U	170	260	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	170	260	350	ug/Kg
95-57-8	2-Chlorophenol	170	U	170	260	350	ug/Kg
95-50-1	1,2-Dichlorobenzene	170	U	170	260	350	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	260	350	ug/Kg
106-46-7	1,4-Dichlorobenzene	180	U	180	260	350	ug/Kg
100-51-6	Benzyl Alcohol	170	U	170	550	670	ug/Kg
95-48-7	2-Methylphenol	160	U	160	260	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	260	350	ug/Kg
98-86-2	Acetophenone	180	U	180	260	350	ug/Kg
65794-96-9	3+4-Methylphenols	160	U	160	550	670	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	81.9	U	81.9	160	160	ug/Kg
67-72-1	Hexachloroethane	170	U	170	260	350	ug/Kg
98-95-3	Nitrobenzene	180	U	180	260	350	ug/Kg
78-59-1	Isophorone	170	U	170	260	350	ug/Kg
88-75-5	2-Nitrophenol	190	U	190	260	350	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	190	260	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	260	350	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	260	350	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	170	U	170	260	350	ug/Kg
65-85-0	Benzoic acid	480	U	480	550	670	ug/Kg
91-20-3	Naphthalene	170	U	170	260	350	ug/Kg
106-47-8	4-Chloroaniline	170	U	170	260	350	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	260	350	ug/Kg
105-60-2	Caprolactam	180	U	180	550	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	260	350	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	170	260	350	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB02	SDG No.:	BF032124
Lab Sample ID:	P1817-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.8
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
BF137667.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	320	U	320	550	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	260	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	260	350	ug/Kg
92-52-4	1,1-Biphenyl	180	U	180	260	350	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	170	260	350	ug/Kg
88-74-4	2-Nitroaniline	190	U	190	260	350	ug/Kg
131-11-3	Dimethylphthalate	170	U	170	260	350	ug/Kg
208-96-8	Acenaphthylene	180	U	180	260	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	170	260	350	ug/Kg
99-09-2	3-Nitroaniline	180	U	180	260	350	ug/Kg
83-32-9	Acenaphthene	160	U	160	260	350	ug/Kg
Total PAH	Total PAH	2680	U	2680	260	5600	ug/Kg
51-28-5	2,4-Dinitrophenol	490	U	490	550	670	ug/Kg
100-02-7	4-Nitrophenol	240	U	240	550	670	ug/Kg
132-64-9	Dibenzofuran	170	U	170	260	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	180	260	350	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	350	U	350	260	700	ug/Kg
84-66-2	Diethylphthalate	160	U	160	260	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	170	260	350	ug/Kg
86-73-7	Fluorene	170	U	170	260	350	ug/Kg
100-01-6	4-Nitroaniline	220	U	220	260	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	550	670	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	170	260	350	ug/Kg
103-33-3	Azobenzene	160	U	160	260	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	260	350	ug/Kg
118-74-1	Hexachlorobenzene	170	U	170	260	350	ug/Kg
1912-24-9	Atrazine	190	U	190	260	350	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	550	670	ug/Kg
85-01-8	Phenanthrene	170	U	170	260	350	ug/Kg
120-12-7	Anthracene	170	U	170	260	350	ug/Kg
86-74-8	Carbazole	160	U	160	260	350	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	170	260	350	ug/Kg
206-44-0	Fluoranthene	170	U	170	260	350	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB02	SDG No.:	BF032124
Lab Sample ID:	P1817-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.8
Sample Wt/Vol:	30.02	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
BF137667.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	330	U	330	550	670	ug/Kg
129-00-0	Pyrene	170	U	170	260	350	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	200	260	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	550	670	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	160	260	350	ug/Kg
218-01-9	Chrysene	160	U	160	260	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	180	260	350	ug/Kg
117-84-0	Di-n-octyl phthalate	220	U	220	550	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	160	260	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	U	170	260	350	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	190	260	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	160	260	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	260	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	160	260	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	260	350	ug/Kg
123-91-1	1,4-Dioxane	220	U	220	260	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	260	350	ug/Kg
90-12-0	1-Methylnaphthalene	170	U	170	350	350	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.229		18-112		60	SPK: -150
13127-88-3	Phenol-d6	81.84		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	56.25		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	54.275		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.763		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	30.742		14-112		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129740	6.728				
1146-65-2	Naphthalene-d8	498190	8.004				
15067-26-2	Acenaphthene-d10	260943	9.757				
1517-22-2	Phenanthrene-d10	395725	11.239				
1719-03-5	Chrysene-d12	281875	13.874				
1520-96-3	Perylene-d12	298522	15.298				

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB02	SDG No.:	BF032124
Lab Sample ID:	P1817-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.8
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137667.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-92-5	Nonadecane	170	J			11.539	
014811-95-1	1,19-Eicosadiene	4000	J			13.521	
015594-90-8	1-Heneicosanol	500	J			13.751	
002922-51-2	2-Heptadecanone	1800	J			13.78	
000506-52-5	1-Hexacosanol	370	J			14.015	
002004-39-9	1-Heptacosanol	200	J			14.092	
000638-66-4	Octadecanal	1100	J			14.168	
002425-77-6	1-Decanol, 2-hexyl-	190	J			14.304	
024897-74-3	12-Tricosanol	1700	J			14.38	
018787-63-8	2-Hexadecanone	1900	J			14.41	
018435-45-5	1-Nonadecene	370	J			14.698	
007206-25-9	9-Octadecene, (E)-	170	J			14.904	
001070-54-8	16-Hentriacontanol	780	J			15.021	
	unknown	15.857	J			15.857	

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	BF032124
Lab Sample ID:	P1814-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.09	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
BF137668.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	410	ug/Kg
110-86-1	Pyridine	99.8	U	99.8	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	99.7	U	99.7	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.4	U	50.4	100	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.3	U	94.3	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	110	U	110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.8	U	96.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	BF032124
Lab Sample ID:	P1814-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.09	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
BF137668.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	190	U	190	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.2	U	89.2	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.5	U	92.5	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1646.9	U	1646.9	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	340	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	340	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	99.5	U	99.5	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98.6	U	98.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg
87-86-5	Pentachlorophenol	96.6	U	96.6	340	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	110	U	110	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	BF032124
Lab Sample ID:	P1814-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
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
BF137668.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	200	U	200	340	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	99.3	U	99.3	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97.6	U	97.6	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.3	U	93.3	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.025		18-112		58	SPK: -150
13127-88-3	Phenol-d6	79.912		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	53.933		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	62.266		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	75.532		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	39.452		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	132332	6.728				
1146-65-2	Naphthalene-d8	505616	8.004				
15067-26-2	Acenaphthene-d10	260500	9.757				
1517-22-2	Phenanthrene-d10	378511	11.239				
1719-03-5	Chrysene-d12	314439	13.874				
1520-96-3	Perylene-d12	297202	15.298				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	BF032124
Lab Sample ID:	P1814-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
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
BF137668.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	300	J			9.204	

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MS	SDG No.:	BF032124
Lab Sample ID:	P1814-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137669.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		110	340	410	ug/Kg
110-86-1	Pyridine	1300		100	160	210	ug/Kg
100-52-7	Benzaldehyde	480		230	340	410	ug/Kg
62-53-3	Aniline	830		120	160	210	ug/Kg
108-95-2	Phenol	1700		100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		100	160	210	ug/Kg
95-57-8	2-Chlorophenol	1800		100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	1800		100	340	410	ug/Kg
95-48-7	2-Methylphenol	1500		100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		110	160	210	ug/Kg
98-86-2	Acetophenone	1800		110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	1600		99.9	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		50.5	100	100	ug/Kg
67-72-1	Hexachloroethane	1800		100	160	210	ug/Kg
98-95-3	Nitrobenzene	1700		110	160	210	ug/Kg
78-59-1	Isophorone	1600		110	160	210	ug/Kg
88-75-5	2-Nitrophenol	1800		120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		94.5	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		110	160	210	ug/Kg
65-85-0	Benzoic acid	1300		300	340	410	ug/Kg
91-20-3	Naphthalene	1700		100	160	210	ug/Kg
106-47-8	4-Chloroaniline	460		100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	1800		100	160	210	ug/Kg
105-60-2	Caprolactam	1800		110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		97	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MS	SDG No.:	BF032124
Lab Sample ID:	P1814-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137669.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2600		200	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		89.4	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		92.6	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		100	160	210	ug/Kg
88-74-4	2-Nitroaniline	1800		120	160	210	ug/Kg
131-11-3	Dimethylphthalate	1800		100	160	210	ug/Kg
208-96-8	Acenaphthylene	1800		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		100	160	210	ug/Kg
99-09-2	3-Nitroaniline	1100		110	160	210	ug/Kg
83-32-9	Acenaphthene	1700		100	160	210	ug/Kg
Total PAH	Total PAH	26400		1657.3	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	2400		300	340	410	ug/Kg
100-02-7	4-Nitrophenol	2800		150	340	410	ug/Kg
132-64-9	Dibenzofuran	1700		110	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3600		210	160	420	ug/Kg
84-66-2	Diethylphthalate	1700		100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		110	160	210	ug/Kg
86-73-7	Fluorene	1700		110	160	210	ug/Kg
100-01-6	4-Nitroaniline	1500		130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		100	160	210	ug/Kg
103-33-3	Azobenzene	1600		99.6	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		98.8	160	210	ug/Kg
118-74-1	Hexachlorobenzene	2000		110	160	210	ug/Kg
1912-24-9	Atrazine	2000		110	160	210	ug/Kg
87-86-5	Pentachlorophenol	3000		96.8	340	410	ug/Kg
85-01-8	Phenanthrene	1700		110	160	210	ug/Kg
120-12-7	Anthracene	1700		110	160	210	ug/Kg
86-74-8	Carbazole	1800		100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	1800		110	160	210	ug/Kg
206-44-0	Fluoranthene	1700		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MS	SDG No.:	BF032124
Lab Sample ID:	P1814-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.03	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
BF137669.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200		200	340	410	ug/Kg
129-00-0	Pyrene	1400		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	2000		120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	1700		100	160	210	ug/Kg
218-01-9	Chrysene	1700		99.5	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1800		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		97.8	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		110	160	210	ug/Kg
123-91-1	1,4-Dioxane	1500		140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		93.5	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	1600		100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.81		18-112		57	SPK: -150
13127-88-3	Phenol-d6	80.033		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	56.465		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	61.964		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.467		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	43.437		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130342	6.728				
1146-65-2	Naphthalene-d8	493150	8.01				
15067-26-2	Acenaphthene-d10	258883	9.757				
1517-22-2	Phenanthrene-d10	386744	11.245				
1719-03-5	Chrysene-d12	280961	13.88				
1520-96-3	Perylene-d12	264205	15.298				



Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MS	SDG No.:	BF032124
Lab Sample ID:	P1814-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137669.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MSD	SDG No.:	BF032124
Lab Sample ID:	P1814-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137670.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1700		110	340	410	ug/Kg
110-86-1	Pyridine	1500		100	160	210	ug/Kg
100-52-7	Benzaldehyde	520		230	340	410	ug/Kg
62-53-3	Aniline	900		120	160	210	ug/Kg
108-95-2	Phenol	1800		100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		100	160	210	ug/Kg
95-57-8	2-Chlorophenol	1900		100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	1900		100	340	410	ug/Kg
95-48-7	2-Methylphenol	1700		100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		110	160	210	ug/Kg
98-86-2	Acetophenone	2000		110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	1800		99.8	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		50.4	100	100	ug/Kg
67-72-1	Hexachloroethane	1900		100	160	210	ug/Kg
98-95-3	Nitrobenzene	1800		110	160	210	ug/Kg
78-59-1	Isophorone	1800		110	160	210	ug/Kg
88-75-5	2-Nitrophenol	2100		120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		94.5	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		110	160	210	ug/Kg
65-85-0	Benzoic acid	1500		300	340	410	ug/Kg
91-20-3	Naphthalene	1800		100	160	210	ug/Kg
106-47-8	4-Chloroaniline	380		100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	2000		100	160	210	ug/Kg
105-60-2	Caprolactam	1900		110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		97	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	1800		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MSD	SDG No.:	BF032124
Lab Sample ID:	P1814-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137670.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2700		200	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		89.3	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		92.6	160	210	ug/Kg
92-52-4	1,1-Biphenyl	2000		110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	2000		100	160	210	ug/Kg
88-74-4	2-Nitroaniline	2000		120	160	210	ug/Kg
131-11-3	Dimethylphthalate	1900		100	160	210	ug/Kg
208-96-8	Acenaphthylene	2000		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		100	160	210	ug/Kg
99-09-2	3-Nitroaniline	1100		110	160	210	ug/Kg
83-32-9	Acenaphthene	1800		100	160	210	ug/Kg
Total PAH	Total PAH	28800		1657.2	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		300	340	410	ug/Kg
100-02-7	4-Nitrophenol	3000		150	340	410	ug/Kg
132-64-9	Dibenzofuran	1800		110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3900		210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		110	160	210	ug/Kg
84-66-2	Diethylphthalate	1800		100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		110	160	210	ug/Kg
86-73-7	Fluorene	1800		110	160	210	ug/Kg
100-01-6	4-Nitroaniline	1500		130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		100	160	210	ug/Kg
103-33-3	Azobenzene	1700		99.6	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		98.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	2200		110	160	210	ug/Kg
1912-24-9	Atrazine	2100		110	160	210	ug/Kg
87-86-5	Pentachlorophenol	3400	E	96.7	340	410	ug/Kg
85-01-8	Phenanthrene	1900		110	160	210	ug/Kg
120-12-7	Anthracene	1900		110	160	210	ug/Kg
86-74-8	Carbazole	2000		100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	2000		110	160	210	ug/Kg
206-44-0	Fluoranthene	2000		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MSD	SDG No.:	BF032124
Lab Sample ID:	P1814-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.05	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
BF137670.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1600		200	340	410	ug/Kg
129-00-0	Pyrene	1400		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	2000		120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	1800		100	160	210	ug/Kg
218-01-9	Chrysene	1900		99.5	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1900		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		97.7	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		110	160	210	ug/Kg
123-91-1	1,4-Dioxane	1700		140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		93.5	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	1700		100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.076		18-112		63	SPK: -150
13127-88-3	Phenol-d6	86.894		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	61.562		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	68.058		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.217		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	44.504		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	132970	6.728				
1146-65-2	Naphthalene-d8	501592	8.01				
15067-26-2	Acenaphthene-d10	251571	9.763				
1517-22-2	Phenanthrene-d10	354353	11.245				
1719-03-5	Chrysene-d12	284671	13.88				
1520-96-3	Perylene-d12	246405	15.298				



Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	TP-6MSD	SDG No.:	BF032124
Lab Sample ID:	P1814-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137670.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	OK-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1815-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137671.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	830	1000	ug/Kg
110-86-1	Pyridine	250	U	250	400	520	ug/Kg
100-52-7	Benzaldehyde	560	U	560	830	1000	ug/Kg
62-53-3	Aniline	300	U	300	400	520	ug/Kg
108-95-2	Phenol	250	U	250	400	520	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	400	520	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	400	520	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	400	520	ug/Kg
541-73-1	1,3-Dichlorobenzene	260	U	260	400	520	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	400	520	ug/Kg
100-51-6	Benzyl Alcohol	250	U	250	830	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	400	520	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	280	400	520	ug/Kg
98-86-2	Acetophenone	270	U	270	400	520	ug/Kg
65794-96-9	3+4-Methylphenols	240	U	240	830	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	250	250	ug/Kg
67-72-1	Hexachloroethane	250	U	250	400	520	ug/Kg
98-95-3	Nitrobenzene	280	U	280	400	520	ug/Kg
78-59-1	Isophorone	260	U	260	400	520	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	400	520	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	400	520	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	260	U	260	400	520	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	400	520	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	400	520	ug/Kg
65-85-0	Benzoic acid	730	U	730	830	1000	ug/Kg
91-20-3	Naphthalene	250	U	250	400	520	ug/Kg
106-47-8	4-Chloroaniline	250	U	250	400	520	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	400	520	ug/Kg
105-60-2	Caprolactam	270	U	270	830	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	400	520	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	250	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	OK-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1815-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137671.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	480	U	480	830	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	400	520	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	400	520	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	400	520	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	400	520	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	400	520	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	400	520	ug/Kg
208-96-8	Acenaphthylene	270	U	270	400	520	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	400	520	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	400	520	ug/Kg
83-32-9	Acenaphthene	250	U	250	400	520	ug/Kg
Total PAH	Total PAH	4070	U	4070	400	8320	ug/Kg
51-28-5	2,4-Dinitrophenol	750	U	750	830	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	830	1000	ug/Kg
132-64-9	Dibenzofuran	260	U	260	400	520	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	520	U	520	400	1040	ug/Kg
121-14-2	2,4-Dinitrotoluene	260	U	260	400	520	ug/Kg
84-66-2	Diethylphthalate	250	U	250	400	520	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	260	U	260	400	520	ug/Kg
86-73-7	Fluorene	260	U	260	400	520	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	400	520	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	830	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	250	400	520	ug/Kg
103-33-3	Azobenzene	240	U	240	400	520	ug/Kg
101-55-3	4-Bromophenyl-phenylether	240	U	240	400	520	ug/Kg
118-74-1	Hexachlorobenzene	260	U	260	400	520	ug/Kg
1912-24-9	Atrazine	280	U	280	400	520	ug/Kg
87-86-5	Pentachlorophenol	240	U	240	830	1000	ug/Kg
85-01-8	Phenanthrene	260	U	260	400	520	ug/Kg
120-12-7	Anthracene	260	U	260	400	520	ug/Kg
86-74-8	Carbazole	250	U	250	400	520	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	400	520	ug/Kg
206-44-0	Fluoranthene	350	J	250	400	520	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	OK-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1815-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.3
Sample Wt/Vol:	50.07	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
BF137671.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	500	U	500	830	1000	ug/Kg
129-00-0	Pyrene	260	J	250	400	520	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	400	520	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	300	830	1000	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	250	400	520	ug/Kg
218-01-9	Chrysene	240	U	240	400	520	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	400	520	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	830	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	320	J	250	400	520	ug/Kg
207-08-9	Benzo(k)fluoranthene	250	U	250	400	520	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	290	400	520	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	240	400	520	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	250	400	520	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	250	400	520	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	400	520	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	400	520	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	400	520	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	520	520	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	26.64		18-112		18	SPK: -150
13127-88-3	Phenol-d6	26.76		15-107		18	SPK: -150
4165-60-0	Nitrobenzene-d5	17.835		18-107		18	SPK: -100
321-60-8	2-Fluorobiphenyl	28.645		20-109		29	SPK: -100
118-79-6	2,4,6-Tribromophenol	27.215		10-110		18	SPK: -150
1718-51-0	Terphenyl-d14	19.185		14-112		19	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	138683	6.728				
1146-65-2	Naphthalene-d8	511126	8.004				
15067-26-2	Acenaphthene-d10	246882	9.757				
1517-22-2	Phenanthrene-d10	403447	11.239				
1719-03-5	Chrysene-d12	342500	13.874				
1520-96-3	Perylene-d12	260676	15.298				

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	OK-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1815-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137671.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
1000285-40-2	.beta.-iso-Methyl ionone	470	J			15.956	

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PL-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1816-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137672.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	290	U	290	900	1100	ug/Kg
110-86-1	Pyridine	270	U	270	440	570	ug/Kg
100-52-7	Benzaldehyde	610	U	610	900	1100	ug/Kg
62-53-3	Aniline	320	U	320	440	570	ug/Kg
108-95-2	Phenol	280	U	280	440	570	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	280	440	570	ug/Kg
95-57-8	2-Chlorophenol	280	U	280	440	570	ug/Kg
95-50-1	1,2-Dichlorobenzene	280	U	280	440	570	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	440	570	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	440	570	ug/Kg
100-51-6	Benzyl Alcohol	280	U	280	900	1100	ug/Kg
95-48-7	2-Methylphenol	270	U	270	440	570	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	440	570	ug/Kg
98-86-2	Acetophenone	290	U	290	440	570	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	900	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	270	270	ug/Kg
67-72-1	Hexachloroethane	280	U	280	440	570	ug/Kg
98-95-3	Nitrobenzene	300	U	300	440	570	ug/Kg
78-59-1	Isophorone	280	U	280	440	570	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	440	570	ug/Kg
105-67-9	2,4-Dimethylphenol	310	U	310	440	570	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	290	440	570	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	440	570	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	290	U	290	440	570	ug/Kg
65-85-0	Benzoic acid	790	U	790	900	1100	ug/Kg
91-20-3	Naphthalene	280	U	280	440	570	ug/Kg
106-47-8	4-Chloroaniline	280	U	280	440	570	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	440	570	ug/Kg
105-60-2	Caprolactam	290	U	290	900	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	260	U	260	440	570	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	280	440	570	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PL-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1816-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137672.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	520	U	520	900	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	240	U	240	440	570	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	250	440	570	ug/Kg
92-52-4	1,1-Biphenyl	290	U	290	440	570	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	440	570	ug/Kg
88-74-4	2-Nitroaniline	320	U	320	440	570	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	440	570	ug/Kg
208-96-8	Acenaphthylene	290	U	290	440	570	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	280	440	570	ug/Kg
99-09-2	3-Nitroaniline	300	U	300	440	570	ug/Kg
83-32-9	Acenaphthene	270	U	270	440	570	ug/Kg
Total PAH	Total PAH	6680	U	4440	440	9120	ug/Kg
51-28-5	2,4-Dinitrophenol	810	U	810	900	1100	ug/Kg
100-02-7	4-Nitrophenol	390	U	390	900	1100	ug/Kg
132-64-9	Dibenzofuran	280	U	280	440	570	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	670	U	570	440	1140	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	440	570	ug/Kg
84-66-2	Diethylphthalate	270	U	270	440	570	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	290	440	570	ug/Kg
86-73-7	Fluorene	290	U	290	440	570	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	440	570	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	390	900	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	270	440	570	ug/Kg
103-33-3	Azobenzene	270	U	270	440	570	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	440	570	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	440	570	ug/Kg
1912-24-9	Atrazine	310	U	310	440	570	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	900	1100	ug/Kg
85-01-8	Phenanthrene	1200		280	440	570	ug/Kg
120-12-7	Anthracene	290	J	280	440	570	ug/Kg
86-74-8	Carbazole	270	U	270	440	570	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	440	570	ug/Kg
206-44-0	Fluoranthene	1500		270	440	570	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PL-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1816-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137672.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	550	U	550	900	1100	ug/Kg
129-00-0	Pyrene	1000		280	440	570	ug/Kg
85-68-7	Butylbenzylphthalate	320	U	320	440	570	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	330	900	1100	ug/Kg
56-55-3	Benzo(a)anthracene	600		270	440	570	ug/Kg
218-01-9	Chrysene	520	J	270	440	570	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	440	570	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	370	900	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	740		270	440	570	ug/Kg
207-08-9	Benzo(k)fluoranthene	280	U	280	440	570	ug/Kg
50-32-8	Benzo(a)pyrene	540	J	310	440	570	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	U	260	440	570	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	270	440	570	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	J	270	440	570	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	290	440	570	ug/Kg
123-91-1	1,4-Dioxane	370	U	370	440	570	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	250	440	570	ug/Kg
90-12-0	1-Methylnaphthalene	280	U	280	570	570	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	58.02		18-112		39	SPK: -150
13127-88-3	Phenol-d6	53.96		15-107		36	SPK: -150
4165-60-0	Nitrobenzene-d5	33.875		18-107		34	SPK: -100
321-60-8	2-Fluorobiphenyl	51.07		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	56.365		10-110		38	SPK: -150
1718-51-0	Terphenyl-d14	37.66		14-112		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140599	6.728				
1146-65-2	Naphthalene-d8	505935	8.004				
15067-26-2	Acenaphthene-d10	242241	9.757				
1517-22-2	Phenanthrene-d10	405813	11.239				
1719-03-5	Chrysene-d12	327248	13.88				
1520-96-3	Perylene-d12	248280	15.304				

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PL-01-032024	SDG No.:	BF032124
Lab Sample ID:	P1816-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137672.D	5	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-84-2	Nonane	370	J			6.563	
061142-20-9	Cyclohexane, (4-methylpentyl)-	380	J			8.298	
000629-50-5	Tridecane	850	J			8.598	
000629-59-4	Tetradecane	1200	J			9.163	
000581-40-8	Naphthalene, 2,3-dimethyl-	340	J			9.422	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	650	J			9.486	
062238-11-3	Decane, 2,3,5-trimethyl-	1000	J			9.692	
001560-98-1	Octacosane, 2-methyl-	350	J			10.016	
000544-76-3	Hexadecane	970	J			10.192	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	530	J			10.41	
000593-49-7	Heptacosane	1400	J			10.663	
000593-45-3	Octadecane	790	J			11.11	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	510	J			11.139	
000629-94-7	Heneicosane	650	J			11.539	
000112-39-0	Hexadecanoic acid, methyl ester	3200	J			11.639	
000203-64-5	4H-Cyclopenta[def]phenanthrene	350	J			11.851	
000112-95-8	Eicosane	580	J			11.945	
002566-97-4	9,12-Octadecadienoic acid, methyl	12000	J			12.327	
056554-49-5	16-Octadecenoic acid, methyl ester	7500	J			12.351	
035599-77-0	Tridecane, 1-iodo-	340	J			13.063	

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB01	SDG No.:	BF032124
Lab Sample ID:	P1817-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	30.03	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
BF137673.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	390	ug/Kg
110-86-1	Pyridine	93.9	U	93.9	150	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	320	390	ug/Kg
62-53-3	Aniline	110	U	110	150	200	ug/Kg
108-95-2	Phenol	97.4	U	97.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	98.4	U	98.4	150	200	ug/Kg
95-57-8	2-Chlorophenol	98.1	U	98.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	99.4	U	99.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	150	200	ug/Kg
100-51-6	Benzyl Alcohol	97.5	U	97.5	320	390	ug/Kg
95-48-7	2-Methylphenol	94.7	U	94.7	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	93.8	U	93.8	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	94	94	ug/Kg
67-72-1	Hexachloroethane	97.5	U	97.5	150	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	150	200	ug/Kg
78-59-1	Isophorone	99.4	U	99.4	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	88.7	U	88.7	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	150	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	390	ug/Kg
91-20-3	Naphthalene	97.1	U	97.1	150	200	ug/Kg
106-47-8	4-Chloroaniline	97.1	U	97.1	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.9	U	97.9	150	200	ug/Kg
105-60-2	Caprolactam	100	U	100	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.1	U	91.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	97	U	97	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB01	SDG No.:	BF032124
Lab Sample ID:	P1817-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137673.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	180	U	180	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.9	U	83.9	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87	U	87	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.9	U	97.9	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	96	U	96	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.8	U	97.8	150	200	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	200	ug/Kg
83-32-9	Acenaphthene	95.3	U	95.3	150	200	ug/Kg
Total PAH	Total PAH	4890	U	1555.7	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	99.2	U	99.2	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	97.8	U	197.8	150	400	ug/Kg
84-66-2	Diethylphthalate	94.1	U	94.1	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	95.9	U	95.9	150	200	ug/Kg
103-33-3	Azobenzene	93.6	U	93.6	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	92.7	U	92.7	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	J	99.9	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	90.9	U	90.9	320	390	ug/Kg
85-01-8	Phenanthrene	580		98.7	150	200	ug/Kg
120-12-7	Anthracene	150	J	99.2	150	200	ug/Kg
86-74-8	Carbazole	94.4	U	94.4	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	99.1	U	99.1	150	200	ug/Kg
206-44-0	Fluoranthene	1000		96	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB01	SDG No.:	BF032124
Lab Sample ID:	P1817-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
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
BF137673.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	320	390	ug/Kg
129-00-0	Pyrene	650		97.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	450		94.8	150	200	ug/Kg
218-01-9	Chrysene	410		93.4	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	580		95.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	220		97.1	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	430		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	J	91.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	95.4	U	95.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230		94.1	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87.8	U	87.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	97.8	U	97.8	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.28		18-112		63	SPK: -150
13127-88-3	Phenol-d6	86.229		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	61.411		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	65.176		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.237		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	41.638		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131702	6.728				
1146-65-2	Naphthalene-d8	476808	8.004				
15067-26-2	Acenaphthene-d10	226067	9.757				
1517-22-2	Phenanthrene-d10	364866	11.239				
1719-03-5	Chrysene-d12	286073	13.88				
1520-96-3	Perylene-d12	207668	15.304				

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB01	SDG No.:	BF032124
Lab Sample ID:	P1817-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137673.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	190	J			10.663	
000646-31-1	Tetracosane	120	J			11.11	
000132-65-0	Dibenzothiophene	86.2	J			11.139	
002050-77-3	Decane, 1-iodo-	96.8	J			11.539	
000610-48-0	Anthracene, 1-methyl-	110	J			11.775	
000203-64-5	4H-Cyclopenta[def]phenanthrene	150	J			11.851	
000629-62-9	Pentadecane	81.9	J			11.945	
000630-01-3	Hexacosane	150	J			12.333	
000243-17-4	11H-Benzo[b]fluorene	90.5	J			13.01	
000192-97-2	Benzo[e]pyrene	360	J			15.18	

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032124
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	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
BF137674.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	98.8	U	98.8	310	380	ug/Kg
110-86-1	Pyridine	91	U	91	150	190	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	94.4	U	94.4	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.3	U	95.3	150	190	ug/Kg
95-57-8	2-Chlorophenol	95.1	U	95.1	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.3	U	96.3	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.9	U	97.9	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.5	U	98.5	150	190	ug/Kg
100-51-6	Benzyl Alcohol	94.5	U	94.5	310	380	ug/Kg
95-48-7	2-Methylphenol	91.8	U	91.8	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	98.9	U	98.9	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.9	U	90.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.9	U	45.9	91.1	91.1	ug/Kg
67-72-1	Hexachloroethane	94.5	U	94.5	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	96.3	U	96.3	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	97.7	U	97.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86	U	86	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	97.2	U	97.2	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	380	ug/Kg
91-20-3	Naphthalene	94	U	94	150	190	ug/Kg
106-47-8	4-Chloroaniline	94	U	94	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.8	U	94.8	150	190	ug/Kg
105-60-2	Caprolactam	98.8	U	98.8	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.2	U	88.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.9	U	93.9	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032124
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	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
BF137674.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.3	U	81.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84.3	U	84.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	99.5	U	99.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.8	U	94.8	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	93	U	93	150	190	ug/Kg
208-96-8	Acenaphthylene	98.5	U	98.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.7	U	94.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	100	J	92.3	150	190	ug/Kg
Total PAH	Total PAH	5700		1512.5	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	96.1	U	96.1	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	92.8	U	192.8	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.1	U	98.1	150	190	ug/Kg
84-66-2	Diethylphthalate	91.2	U	91.2	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.5	U	97.5	150	190	ug/Kg
86-73-7	Fluorene	97.3	U	97.3	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.9	U	92.9	150	190	ug/Kg
103-33-3	Azobenzene	90.6	U	90.6	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.8	U	89.8	150	190	ug/Kg
118-74-1	Hexachlorobenzene	96.8	U	96.8	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg
87-86-5	Pentachlorophenol	88	U	88	310	380	ug/Kg
85-01-8	Phenanthrene	820		95.6	150	190	ug/Kg
120-12-7	Anthracene	210		96.1	150	190	ug/Kg
86-74-8	Carbazole	91.4	U	91.4	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	96	U	96	150	190	ug/Kg
206-44-0	Fluoranthene	1200		93	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032124
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	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
BF137674.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	670		94.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	520		91.9	150	190	ug/Kg
218-01-9	Chrysene	450		90.5	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	700		92.3	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	94	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	440		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190		88.9	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	92.4	U	92.4	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		91.2	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.8	U	98.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85	U	85	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	94.7	U	94.7	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.433		18-112		62	SPK: -150
13127-88-3	Phenol-d6	83.815		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	61.079		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	66.325		20-109		66	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.405		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	42.095		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122291	6.728				
1146-65-2	Naphthalene-d8	436467	8.004				
15067-26-2	Acenaphthene-d10	199045	9.757				
1517-22-2	Phenanthrene-d10	326758	11.239				
1719-03-5	Chrysene-d12	277823	13.88				
1520-96-3	Perylene-d12	219129	15.304				



Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	B-148-SB03	SDG No.:	BF032124
Lab Sample ID:	P1817-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	30.08	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
BF137674.D	1	3/21/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000628-28-4	Butane, 1-methoxy-	83.5	J			3.069	
051354-23-5	unknown9.863	1400	J			9.863	
000613-12-7	Anthracene, 2-methyl-	110	J			11.775	
000203-64-5	4H-Cyclopenta[def]phenanthrene	150	J			11.857	
056554-47-3	13-Octadecenoic acid, methyl ester	120	J			12.345	
000238-84-6	11H-Benzo[a]fluorene	77.8	J			13.01	
033543-31-6	Fluoranthene, 2-methyl-	82.7	J			13.074	
000192-97-2	Benzo[e]pyrene	80.8	J			14.998	
000198-55-0	Perylene	340	J			15.18	

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032124
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137675.D	10	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	550	U	550	1700	2100	ug/Kg
110-86-1	Pyridine	500	U	500	820	1100	ug/Kg
100-52-7	Benzaldehyde	1100	U	1100	1700	2100	ug/Kg
62-53-3	Aniline	610	U	610	820	1100	ug/Kg
108-95-2	Phenol	520	U	520	820	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	530	U	530	820	1100	ug/Kg
95-57-8	2-Chlorophenol	530	U	530	820	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	530	U	530	820	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	540	U	540	820	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	550	820	1100	ug/Kg
100-51-6	Benzyl Alcohol	520	U	520	1700	2100	ug/Kg
95-48-7	2-Methylphenol	510	U	510	820	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	570	U	570	820	1100	ug/Kg
98-86-2	Acetophenone	550	U	550	820	1100	ug/Kg
65794-96-9	3+4-Methylphenols	500	U	500	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	510	510	ug/Kg
67-72-1	Hexachloroethane	520	U	520	820	1100	ug/Kg
98-95-3	Nitrobenzene	570	U	570	820	1100	ug/Kg
78-59-1	Isophorone	530	U	530	820	1100	ug/Kg
88-75-5	2-Nitrophenol	600	U	600	820	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	590	U	590	820	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	540	U	540	820	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	480	U	480	820	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	540	U	540	820	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	760	JD	520	820	1100	ug/Kg
106-47-8	4-Chloroaniline	520	U	520	820	1100	ug/Kg
87-68-3	Hexachlorobutadiene	530	U	530	820	1100	ug/Kg
105-60-2	Caprolactam	550	U	550	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	490	U	490	820	1100	ug/Kg
91-57-6	2-Methylnaphthalene	520	U	520	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032124
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137675.D	10	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	990	U	990	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	450	U	450	820	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	470	U	470	820	1100	ug/Kg
92-52-4	1,1-Biphenyl	550	U	550	820	1100	ug/Kg
91-58-7	2-Chloronaphthalene	530	U	530	820	1100	ug/Kg
88-74-4	2-Nitroaniline	600	U	600	820	1100	ug/Kg
131-11-3	Dimethylphthalate	520	U	520	820	1100	ug/Kg
208-96-8	Acenaphthylene	550	U	550	820	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	530	U	530	820	1100	ug/Kg
99-09-2	3-Nitroaniline	560	U	560	820	1100	ug/Kg
83-32-9	Acenaphthene	810	JD	510	820	1100	ug/Kg
Total PAH	Total PAH	41870	D	8360	820	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	730	U	730	1700	2100	ug/Kg
132-64-9	Dibenzofuran	530	U	530	820	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1070	U	1070	820	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	540	U	540	820	1100	ug/Kg
84-66-2	Diethylphthalate	510	U	510	820	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	540	U	540	820	1100	ug/Kg
86-73-7	Fluorene	1000	JD	540	820	1100	ug/Kg
100-01-6	4-Nitroaniline	680	U	680	820	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	U	740	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	520	U	520	820	1100	ug/Kg
103-33-3	Azobenzene	500	U	500	820	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	500	U	500	820	1100	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	820	1100	ug/Kg
1912-24-9	Atrazine	580	U	580	820	1100	ug/Kg
87-86-5	Pentachlorophenol	490	U	490	1700	2100	ug/Kg
85-01-8	Phenanthrene	5600	D	530	820	1100	ug/Kg
120-12-7	Anthracene	1800	D	530	820	1100	ug/Kg
86-74-8	Carbazole	530	JD	510	820	1100	ug/Kg
84-74-2	Di-n-butylphthalate	530	U	530	820	1100	ug/Kg
206-44-0	Fluoranthene	8500	D	520	820	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032124
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137675.D	10	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	4800	D	520	820	1100	ug/Kg
85-68-7	Butylbenzylphthalate	610	U	610	820	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	620	U	620	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	3500	D	510	820	1100	ug/Kg
218-01-9	Chrysene	2800	D	500	820	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	570	U	570	820	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	700	U	700	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	4700	D	510	820	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200	D	520	820	1100	ug/Kg
50-32-8	Benzo(a)pyrene	3200	D	590	820	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500	D	490	820	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	510	U	510	820	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700	D	510	820	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	550	U	550	820	1100	ug/Kg
123-91-1	1,4-Dioxane	700	U	700	820	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	470	U	470	820	1100	ug/Kg
90-12-0	1-Methylnaphthalene	530	U	530	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.18		18-112		43	SPK: -150
13127-88-3	Phenol-d6	54.49		15-107		36	SPK: -150
4165-60-0	Nitrobenzene-d5	33.82		18-107		34	SPK: -100
321-60-8	2-Fluorobiphenyl	63.58		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	60.66		10-110		40	SPK: -150
1718-51-0	Terphenyl-d14	46.15		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114198	6.728				
1146-65-2	Naphthalene-d8	416504	8.01				
15067-26-2	Acenaphthene-d10	199339	9.757				
1517-22-2	Phenanthrene-d10	322356	11.239				
1719-03-5	Chrysene-d12	274140	13.88				
1520-96-3	Perylene-d12	206955	15.304				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-ADL	SDG No.:	BF032124
Lab Sample ID:	P1804-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137675.D	10	3/20/2024 12:00:00 AM	3/21/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet

SW-846

SDG No.: BF032124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JC-03-03192024-ADL								
P1804-01DL	JC-03-03192024-ADL	Solid	Acenaphthene	810.000	JD	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Anthracene	1,800.000	D	530	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(a)anthracene	3,500.000	D	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(a)pyrene	3,200.000	D	590	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(b)fluoranthene	4,700.000	D	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(g,h,i)perylene	1,700.000	D	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Benzo(k)fluoranthene	1,200.000	D	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Carbazole	530.000	JD	510	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Chrysene	2,800.000	D	500	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Fluoranthene	8,500.000	D	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Fluorene	1,000.000	JD	540	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Indeno(1,2,3-cd)pyrene	1,500.000	D	490	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Naphthalene	760.000	JD	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Phenanthrene	5,600.000	D	530	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Pyrene	4,800.000	D	520	1100	ug/Kg
P1804-01DL	JC-03-03192024-ADL	Solid	Total PAH	41,870.000	D	8360	17600	ug/Kg
Total Svoc :				84,270.00				
Total Concentration:				84,270.00				
Client ID : TP-6								
P1814-01	TP-6	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	300.000	J			
Total Tics :				300.00				
Total Concentration:				300.00				
Client ID : OK-01-032024								
P1815-01	OK-01-032024	Solid	.beta.-iso-Methyl ionone *	470.000	J			
Total Tics :				470.00				
P1815-01	OK-01-032024	Solid	Benzo(b)fluoranthene	320.000	J	250	520	ug/Kg
P1815-01	OK-01-032024	Solid	Fluoranthene	350.000	J	250	520	ug/Kg
P1815-01	OK-01-032024	Solid	Pyrene	260.000	J	250	520	ug/Kg
Total Svoc :				930.00				
Total Concentration:				1,400.00				
Client ID : PL-01-032024								
P1816-01	PL-01-032024	Solid	16-Octadecenoic acid, methyl este *	7,500.000	J			
P1816-01	PL-01-032024	Solid	4H-Cyclopenta[def]phenanthrene *	350.000	J			
P1816-01	PL-01-032024	Solid	9,12-Octadecadienoic acid, methy *	12,000.000	J			
P1816-01	PL-01-032024	Solid	Carbonic acid, eicosyl vinyl ester *	650.000	J			
P1816-01	PL-01-032024	Solid	Cyclohexane, (4-methylpentyl)- *	380.000	J			
P1816-01	PL-01-032024	Solid	Decane, 2,3,5-trimethyl- *	1,000.000	J			
P1816-01	PL-01-032024	Solid	Eicosane *	580.000	J			

Hit Summary Sheet SW-846

SDG No.: BF032124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1816-01	PL-01-032024	Solid	Heneicosane	*	650.000	J		
P1816-01	PL-01-032024	Solid	Heptacosane	*	1,400.000	J		
P1816-01	PL-01-032024	Solid	Heptadecane, 2,6,10,15-tetramethyl-	*	510.000	J		
P1816-01	PL-01-032024	Solid	Hexadecane	*	970.000	J		
P1816-01	PL-01-032024	Solid	Hexadecanoic acid, methyl ester	*	3,200.000	J		
P1816-01	PL-01-032024	Solid	Naphthalene, 2,3-dimethyl-	*	340.000	J		
P1816-01	PL-01-032024	Solid	Nonane	*	370.000	J		
P1816-01	PL-01-032024	Solid	Octacosane, 2-methyl-	*	350.000	J		
P1816-01	PL-01-032024	Solid	Octadecane	*	790.000	J		
P1816-01	PL-01-032024	Solid	Pentadecane, 2,6,10-trimethyl-	*	530.000	J		
P1816-01	PL-01-032024	Solid	Tetradecane	*	1,200.000	J		
P1816-01	PL-01-032024	Solid	Tridecane	*	850.000	J		
P1816-01	PL-01-032024	Solid	Tridecane, 1-iodo-	*	340.000	J		
Total Tics :					33,960.00			
P1816-01	PL-01-032024	Solid	Anthracene		290.000	J	280	ug/Kg
P1816-01	PL-01-032024	Solid	Benzo(a)anthracene		600.000		270	ug/Kg
P1816-01	PL-01-032024	Solid	Benzo(a)pyrene		540.000	J	310	ug/Kg
P1816-01	PL-01-032024	Solid	Benzo(b)fluoranthene		740.000		270	ug/Kg
P1816-01	PL-01-032024	Solid	Benzo(g,h,i)perylene		290.000	J	270	ug/Kg
P1816-01	PL-01-032024	Solid	Chrysene		520.000	J	270	ug/Kg
P1816-01	PL-01-032024	Solid	Fluoranthene		1,500.000		270	ug/Kg
P1816-01	PL-01-032024	Solid	Phenanthrene		1,200.000		280	ug/Kg
P1816-01	PL-01-032024	Solid	Pyrene		1,000.000		280	ug/Kg
Total Svoc :					6,680.00			
Total Concentration:					40,640.00			
Client ID : B-148-SB01								
P1817-01	B-148-SB01	Solid	11H-Benzo[b]fluorene	*	90.500	J		
P1817-01	B-148-SB01	Solid	4H-Cyclopenta[def]phenanthrene	*	150.000	J		
P1817-01	B-148-SB01	Solid	Anthracene, 1-methyl-	*	110.000	J		
P1817-01	B-148-SB01	Solid	Benzo[e]pyrene	*	360.000	J		
P1817-01	B-148-SB01	Solid	Decane, 1-iodo-	*	96.800	J		
P1817-01	B-148-SB01	Solid	Dibenzothiophene	*	86.200	J		
P1817-01	B-148-SB01	Solid	Hexacosane	*	150.000	J		
P1817-01	B-148-SB01	Solid	Pentadecane	*	81.900	J		
P1817-01	B-148-SB01	Solid	Tetracosane	*	120.000	J		
P1817-01	B-148-SB01	Solid	Tridecane	*	190.000	J		
Total Tics :					1,435.40			
P1817-01	B-148-SB01	Solid	Anthracene		150.000	J	99.2	ug/Kg
P1817-01	B-148-SB01	Solid	Benzo(a)anthracene		450.000		94.8	ug/Kg
P1817-01	B-148-SB01	Solid	Benzo(a)pyrene		430.000		110	ug/Kg
P1817-01	B-148-SB01	Solid	Benzo(b)fluoranthene		580.000		95.3	ug/Kg
P1817-01	B-148-SB01	Solid	Benzo(g,h,i)perylene		230.000		94.1	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF032124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1817-01	B-148-SB01	Solid	Benzo(k)fluoranthene	220.000		97.1	200	ug/Kg
P1817-01	B-148-SB01	Solid	Chrysene	410.000		93.4	200	ug/Kg
P1817-01	B-148-SB01	Solid	Fluoranthene	1,000.000		96	200	ug/Kg
P1817-01	B-148-SB01	Solid	Hexachlorobenzene	110.000	J	99.9	200	ug/Kg
P1817-01	B-148-SB01	Solid	Indeno(1,2,3-cd)pyrene	190.000	J	91.8	200	ug/Kg
P1817-01	B-148-SB01	Solid	Phenanthrene	580.000		98.7	200	ug/Kg
P1817-01	B-148-SB01	Solid	Pyrene	650.000		97.5	200	ug/Kg
Total Svoc :				5,000.00				
Total Concentration:				6,435.40				
Client ID : B-148-SB03								
P1817-02	B-148-SB03	Solid	11H-Benzo[a]fluorene	*	77.800	J		
P1817-02	B-148-SB03	Solid	13-Octadecenoic acid, methyl este	*	120.000	J		
P1817-02	B-148-SB03	Solid	4H-Cyclopenta[def]phenanthrene	*	150.000	J		
P1817-02	B-148-SB03	Solid	Anthracene, 2-methyl-	*	110.000	J		
P1817-02	B-148-SB03	Solid	Benzo[e]pyrene	*	80.800	J		
P1817-02	B-148-SB03	Solid	Butane, 1-methoxy-	*	83.500	J		
P1817-02	B-148-SB03	Solid	Fluoranthene, 2-methyl-	*	82.700	J		
P1817-02	B-148-SB03	Solid	Perylene	*	340.000	J		
P1817-02	B-148-SB03	Solid	unknown9.863	*	1,400.000	J		
Total Tics :				2,444.80				
P1817-02	B-148-SB03	Solid	Acenaphthene		100.000	J	92.3	190 ug/Kg
P1817-02	B-148-SB03	Solid	Anthracene		210.000		96.1	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(a)anthracene		520.000		91.9	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(a)pyrene		440.000		110	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(b)fluoranthene		700.000		92.3	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(g,h,i)perylene		220.000		91.2	190 ug/Kg
P1817-02	B-148-SB03	Solid	Benzo(k)fluoranthene		180.000	J	94	190 ug/Kg
P1817-02	B-148-SB03	Solid	Chrysene		450.000		90.5	190 ug/Kg
P1817-02	B-148-SB03	Solid	Fluoranthene		1,200.000		93	190 ug/Kg
P1817-02	B-148-SB03	Solid	Indeno(1,2,3-cd)pyrene		190.000		88.9	190 ug/Kg
P1817-02	B-148-SB03	Solid	Phenanthrene		820.000		95.6	190 ug/Kg
P1817-02	B-148-SB03	Solid	Pyrene		670.000		94.5	190 ug/Kg
P1817-02	B-148-SB03	Solid	Total PAH		5,700.000		1512.5	3040 ug/Kg
Total Svoc :				11,400.00				
Total Concentration:				13,844.80				
Client ID : B-148-SB02								
P1817-03	B-148-SB02	Solid	1,19-Eicosadiene	*	4,000.000	J		
P1817-03	B-148-SB02	Solid	1-Decanol, 2-hexyl-	*	190.000	J		
P1817-03	B-148-SB02	Solid	1-Heneicosanol	*	500.000	J		
P1817-03	B-148-SB02	Solid	1-Heptacosanol	*	200.000	J		
P1817-03	B-148-SB02	Solid	1-Hexacosanol	*	370.000	J		



Hit Summary Sheet
SW-846

SDG No.: BF032124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1817-03	B-148-SB02	Solid	1-Nonadecene	*	370.000	J		
P1817-03	B-148-SB02	Solid	12-Tricosanol	*	1,700.000	J		
P1817-03	B-148-SB02	Solid	16-Hentriacontanol	*	780.000	J		
P1817-03	B-148-SB02	Solid	2-Heptadecanone	*	1,800.000	J		
P1817-03	B-148-SB02	Solid	2-Hexadecanone	*	1,900.000	J		
P1817-03	B-148-SB02	Solid	9-Octadecene, (E)-	*	170.000	J		
P1817-03	B-148-SB02	Solid	Nonadecane	*	170.000	J		
P1817-03	B-148-SB02	Solid	Octadecanal	*	1,100.000	J		
P1817-03	B-148-SB02	Solid	unknown15.857	*	450.000	J		
Total Tics :					13,700.00			
Total Concentration:					13,700.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID: RRF2.5 = BF137439.D RRF005 = BF137440.D RRF010 = BF137441.D								
RRF020 = BF137442.D RRF040 = BF137443.D RRF050 = BF137444.D								
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.425	0.628	0.700	0.710	0.652	17.9
Pyridine		1.361	1.529	1.895	1.910	1.832	1.741	12.2
2-Fluorophenol		1.221	1.350	1.475	1.380	1.318	1.321	7.1
Benzaldehyde		0.824	0.936	1.041	1.001	0.950	0.934	8.1
Aniline		2.090	2.322	2.553	2.462	2.343	2.329	6.8
Phenol-d6		1.987	2.007	2.095	1.924	1.832	1.906	7.4
Phenol		2.046	2.142	2.271	2.125	2.004	2.052	7.5
bis(2-Chloroethyl)ether		1.600	1.380	1.546	1.577	1.523	1.503	5.4
2-Chlorophenol		1.432	1.462	1.537	1.417	1.354	1.393	7.4
1,2-Dichlorobenzene		1.533	1.522	1.553	1.399	1.334	1.398	10.6
1,3-Dichlorobenzene		1.559	1.559	1.620	1.505	1.437	1.488	6.9
1,4-Dichlorobenzene		1.659	1.572	1.670	1.544	1.449	1.523	8.2
Benzyl Alcohol		1.046	1.221	1.364	1.272	1.190	1.187	9.6
2-Methylphenol		1.299	1.348	1.410	1.325	1.277	1.303	5.3
2,2-oxybis(1-Chloropropane)		2.765	2.745	2.815	2.596	2.486	2.584	8.1
Acetophenone		0.508	0.525	0.540	0.480	0.467	0.484	9.2
3+4-Methylphenols		1.518	1.665	1.745	1.509	1.408	1.493	11.8
n-Nitroso-di-n-propylamine	1.240	1.246	1.252	1.290	1.161	1.097	1.177	7.9
Nitrobenzene-d5		0.418	0.437	0.471	0.441	0.427	0.430	5.4
Hexachloroethane		0.497	0.502	0.546	0.513	0.493	0.501	5.1
Nitrobenzene		0.406	0.434	0.465	0.440	0.439	0.432	4.7
Isophorone		0.816	0.831	0.862	0.820	0.807	0.818	3.3
2-Nitrophenol		0.140	0.162	0.182	0.178	0.183	0.172	9.2
2,4-Dimethylphenol		0.312	0.330	0.351	0.327	0.319	0.321	5.7
bis(2-Chloroethoxy)methane		0.465	0.498	0.522	0.488	0.476	0.480	5.5
2,4-Dichlorophenol		0.279	0.296	0.322	0.302	0.297	0.294	5.4
1,2,4-Trichlorobenzene		0.323	0.326	0.332	0.310	0.302	0.310	6.3
Benzoic acid			0.123	0.141	0.165	0.182	0.167	17.9
Naphthalene		1.163	1.163	1.192	1.058	1.028	1.073	9.7
4-Chloroaniline		0.369	0.430	0.467	0.444	0.430	0.421	8.4
Hexachlorobutadiene		0.191	0.191	0.195	0.184	0.177	0.183	5.7
Caprolactam		0.095	0.096	0.104	0.102	0.102	0.100	3.8
4-Chloro-3-methylphenol		0.328	0.335	0.354	0.336	0.325	0.329	4.6
2-Methylnaphthalene		0.732	0.748	0.760	0.684	0.654	0.684	9.8
Hexachlorocyclopentadiene			0.084	0.141	0.190	0.211	0.180	31.6
2,4,6-Trichlorophenol		0.355	0.355	0.387	0.375	0.364	0.364	3.8

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.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID:		RRF2.5 = BF137439.D		RRF005 = BF137440.D		RRF010 = BF137441.D		
		RRF020 = BF137442.D		RRF040 = BF137443.D		RRF050 = BF137444.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.509	1.467	1.412	1.240	1.157	1.278	14.5
2,4,5-Trichlorophenol		0.413	0.398	0.464	0.428	0.417	0.419	5.5
1,1-Biphenyl		1.595	1.586	1.619	1.465	1.379	1.464	9.8
2-Chloronaphthalene		1.192	1.170	1.217	1.122	1.067	1.116	7.4
2-Nitroaniline		0.289	0.345	0.399	0.402	0.411	0.379	12.1
Dimethylphthalate		1.476	1.481	1.498	1.378	1.327	1.392	6.8
Acenaphthylene		1.993	1.932	1.981	1.798	1.679	1.786	11.0
2,6-Dinitrotoluene		0.270	0.283	0.315	0.300	0.292	0.291	5.1
3-Nitroaniline		0.269	0.291	0.311	0.329	0.323	0.308	7.1
Acenaphthene		1.175	1.160	1.179	1.057	0.997	1.066	10.0
2,4-Dinitrophenol			0.044	0.088	0.122	0.131	0.111	34.5
4-Nitrophenol			0.104	0.181	0.206	0.216	0.190	23.6
Dibenzofuran		1.816	1.800	1.834	1.615	1.513	1.624	12.3
2,4-Dinitrotoluene		0.310	0.356	0.397	0.378	0.370	0.358	8.2
Diethylphthalate		1.401	1.415	1.438	1.311	1.250	1.315	8.3
4-Chlorophenyl-phenylether		0.701	0.682	0.674	0.589	0.564	0.611	12.0
Fluorene		1.447	1.420	1.402	1.211	1.129	1.247	14.0
4-Nitroaniline		0.217	0.238	0.296	0.273	0.277	0.265	10.5
4,6-Dinitro-2-methylphenol			0.080	0.107	0.117	0.121	0.111	14.7
n-Nitrosodiphenylamine		0.669	0.687	0.699	0.636	0.625	0.644	6.6
Azobenzene		1.617	1.602	1.647	1.524	1.452	1.514	7.7
2,4,6-Tribromophenol		0.169	0.174	0.187	0.175	0.173	0.176	3.3
4-Bromophenyl-phenylether		0.213	0.219	0.236	0.221	0.216	0.218	4.3
Hexachlorobenzene		0.225	0.225	0.233	0.217	0.217	0.220	4.1
Atrazine		0.190	0.199	0.214	0.197	0.195	0.196	4.8
Pentachlorophenol			0.105	0.133	0.139	0.142	0.133	10.7
Phenanthrene		1.206	1.195	1.203	1.058	1.036	1.088	10.4
Anthracene		1.203	1.195	1.248	1.088	1.085	1.118	9.1
Carbazole		0.998	1.027	1.062	0.952	0.931	0.958	8.4
Di-n-butylphthalate		1.192	1.203	1.255	1.140	1.116	1.139	7.6
Fluoranthene		1.208	1.167	1.185	1.030	1.005	1.064	11.6
Benzidine			0.375	0.497	0.568	0.541	0.489	14.4
Pyrene		1.874	1.929	2.096	2.064	1.969	1.962	4.9
Terphenyl-d14		1.470	1.472	1.534	1.490	1.441	1.454	4.2
Butylbenzylphthalate		0.405	0.441	0.506	0.527	0.540	0.501	11.4
3,3-Dichlorobenzidine		0.274	0.318	0.390	0.417	0.398	0.373	14.8

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.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID:		RRF2.5 = BF137439.D			RRF005 = BF137440.D		RRF010 = BF137441.D	
		RRF020 = BF137442.D			RRF040 = BF137443.D		RRF050 = BF137444.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.405	1.519	1.416	1.380	1.402	4.6
Chrysene		1.427	1.407	1.493	1.447	1.384	1.417	3.1
Bis(2-ethylhexyl)phthalate		0.540	0.560	0.655	0.677	0.668	0.637	9.6
Di-n-octyl phthalate			0.808	0.979	1.196	1.170	1.120	17.1
Benzo(b)fluoranthene		1.181	1.174	1.292	1.200	1.166	1.183	5.0
Benzo(k)fluoranthene		1.372	1.359	1.352	1.231	1.217	1.271	7.2
Benzo(a)pyrene		1.115	1.144	1.249	1.210	1.165	1.166	4.5
Indeno(1,2,3-cd)pyrene		1.135	1.258	1.395	1.392	1.355	1.316	7.2
Dibenzo(a,h)anthracene		0.901	1.008	1.134	1.134	1.101	1.068	8.2
Benzo(g,h,i)perylene		0.943	1.030	1.171	1.162	1.132	1.096	7.6
1,2,4,5-Tetrachlorobenzene		0.576	0.584	0.609	0.563	0.543	0.558	6.5
1,4-Dioxane		0.715	0.716	0.764	0.742	0.710	0.722	3.5
2,3,4,6-Tetrachlorophenol		0.336	0.346	0.363	0.341	0.329	0.336	5.0
1-Methylnaphthalene		0.704	0.710	0.718	0.635	0.605	0.644	10.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 21 2024 12:00AMLab File ID: BF137443.D Time Analyzed: 14:16Instrument 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	211004	6.804	833843	8.08	463807	9.84
	UPPER LIMIT	422008	7.304	1667686	8.581	927614	10.339
	LOWER LIMIT	105502	6.304	416921.5	7.581	231903.5	9.339
	EPA SAMPLE NO.						
01	PB159682BL	228029	6.73	887480	8.00	472927	9.76
02	PB159709BL	218764	6.73	855080	8.00	453094	9.76
03	PB159709BS	197121	6.73	774609	8.01	401368	9.76
04	PB159676TB	166759	6.73	657283	8.00	369194	9.76
05	TRENCH-PIT	126470	6.73	482042	8.00	250370	9.76
06	TRENCH-PITMS	144535	6.73	555813	8.01	287677	9.76
07	TRENCH-PITMSD	135306	6.73	522520	8.01	278590	9.76
08	72-12002	113479	6.73	434503	8.00	222856 *	9.76
09	B-148-SB02	129740	6.73	498190	8.00	260943	9.76
10	TP-6	132332	6.73	505616	8.00	260500	9.76
11	TP-6MS	130342	6.73	493150	8.01	258883	9.76
12	TP-6MSD	132970	6.73	501592	8.01	251571	9.76
13	OK-01-032024	138683	6.73	511126	8.00	246882	9.76
14	PL-01-032024	140599	6.73	505935	8.00	242241	9.76
15	B-148-SB01	131702	6.73	476808	8.00	226067 *	9.76
16	B-148-SB03	122291	6.73	436467	8.00	199045 *	9.76
17	JC-03-03192024-ADL	114198	6.73	416504 *	8.01	199339 *	9.76

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 22:23

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	211004	6.804	833843	8.08	463807	9.84
UPPER LIMIT	422008	7.304	1667686	8.581	927614	10.339
LOWER LIMIT	105502	6.304	416921.5	7.581	231903.5	9.339
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 21 2024 12:00AMLab File ID: BF137658.D Time Analyzed: 14:16Instrument 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	202882	6.728	776595	8.01	420118	9.76
	UPPER LIMIT	405764	7.228	1553190	8.51	840236	10.263
	LOWER LIMIT	101441	6.228	388297.5	7.51	210059	9.263
	EPA SAMPLE NO.						
01	PB159682BL	228029	6.73	887480	8.00	472927	9.76
02	PB159709BL	218764	6.73	855080	8.00	453094	9.76
03	PB159709BS	197121	6.73	774609	8.01	401368	9.76
04	PB159676TB	166759	6.73	657283	8.00	369194	9.76
05	TRENCH-PIT	126470	6.73	482042	8.00	250370	9.76
06	TRENCH-PITMS	144535	6.73	555813	8.01	287677	9.76
07	TRENCH-PITMSD	135306	6.73	522520	8.01	278590	9.76
08	72-12002	113479	6.73	434503	8.00	222856	9.76
09	B-148-SB02	129740	6.73	498190	8.00	260943	9.76
10	TP-6	132332	6.73	505616	8.00	260500	9.76
11	TP-6MS	130342	6.73	493150	8.01	258883	9.76
12	TP-6MSD	132970	6.73	501592	8.01	251571	9.76
13	OK-01-032024	138683	6.73	511126	8.00	246882	9.76
14	PL-01-032024	140599	6.73	505935	8.00	242241	9.76
15	B-148-SB01	131702	6.73	476808	8.00	226067	9.76
16	B-148-SB03	122291	6.73	436467	8.00	199045 *	9.76
17	JC-03-03192024-ADL	114198	6.73	416504	8.01	199339 *	9.76

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BF137658.D Time Analyzed: 22:23

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	202882	6.728	776595	8.01	420118	9.76
UPPER LIMIT	405764	7.228	1553190	8.51	840236	10.263
LOWER LIMIT	101441	6.228	388297.5	7.51	210059	9.263
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 14:16

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	794722	11.328	399789	13.986	384521	15.486
UPPER LIMIT	1589444	11.828	799578	14.486	769042	15.986
LOWER LIMIT	397361	10.828	199894.5	13.486	192260.5	14.986
EPA SAMPLE NO.						
01 PB159682BL	821502	11.25	513318	13.87	453295	15.30
02 PB159709BL	782297	11.24	482699	13.87	409239	15.30
03 PB159709BS	672185	11.25	377607	13.88	359324	15.30
04 PB159676TB	634161	11.24	380128	13.87	322102	15.30
05 TRENCH-PIT	375418 *	11.24	271064	13.87	269614	15.30
06 TRENCH-PITMS	433543	11.25	292556	13.88	323087	15.30
07 TRENCH-PITMSD	431038	11.25	274642	13.88	293003	15.30
08 72-12002	334423 *	11.24	246015	13.87	272409	15.30
09 B-148-SB02	395725 *	11.24	281875	13.87	298522	15.30
10 TP-6	378511 *	11.24	314439	13.87	297202	15.30
11 TP-6MS	386744 *	11.25	280961	13.88	264205	15.30
12 TP-6MSD	354353 *	11.25	284671	13.88	246405	15.30
13 OK-01-032024	403447	11.24	342500	13.87	260676	15.30
14 PL-01-032024	405813	11.24	327248	13.88	248280	15.30
15 B-148-SB01	364866 *	11.24	286073	13.88	207668	15.30
16 B-148-SB03	326758 *	11.24	277823	13.88	219129	15.30
17 JC-03-03192024-ADL	322356 *	11.24	274140	13.88	206955	15.30

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 22:23

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	794722	11.328	399789	13.986	384521	15.486
UPPER LIMIT	1589444	11.828	799578	14.486	769042	15.986
LOWER LIMIT	397361	10.828	199894.5	13.486	192260.5	14.986
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124EPA Sample No.: SSTDCCC040Date Analyzed: Mar 21 2024 12:00AMLab File ID: BF137658.DTime Analyzed: 14:16Instrument ID: BNA_FGC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	668484	11.245	392267	13.88	390988	15.298
	UPPER LIMIT	1336968	11.745	784534	14.38	781976	15.798
	LOWER LIMIT	334242	10.745	196133.5	13.38	195494	14.798
	EPA SAMPLE NO.						
01	PB159682BL	821502	11.25	513318	13.87	453295	15.30
02	PB159709BL	782297	11.24	482699	13.87	409239	15.30
03	PB159709BS	672185	11.25	377607	13.88	359324	15.30
04	PB159676TB	634161	11.24	380128	13.87	322102	15.30
05	TRENCH-PIT	375418	11.24	271064	13.87	269614	15.30
06	TRENCH-PITMS	433543	11.25	292556	13.88	323087	15.30
07	TRENCH-PITMSD	431038	11.25	274642	13.88	293003	15.30
08	72-12002	334423	11.24	246015	13.87	272409	15.30
09	B-148-SB02	395725	11.24	281875	13.87	298522	15.30
10	TP-6	378511	11.24	314439	13.87	297202	15.30
11	TP-6MS	386744	11.25	280961	13.88	264205	15.30
12	TP-6MSD	354353	11.25	284671	13.88	246405	15.30
13	OK-01-032024	403447	11.24	342500	13.87	260676	15.30
14	PL-01-032024	405813	11.24	327248	13.88	248280	15.30
15	B-148-SB01	364866	11.24	286073	13.88	207668	15.30
16	B-148-SB03	326758 *	11.24	277823	13.88	219129	15.30
17	JC-03-03192024-ADL	322356 *	11.24	274140	13.88	206955	15.30

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF032124 SAS No.: BF032124 SDG NO.: BF032124

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 21 2024 12:00AM

Lab File ID: BF137658.D Time Analyzed: 22:23

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	668484	11.245	392267	13.88	390988	15.298
UPPER LIMIT	1336968	11.745	784534	14.38	781976	15.798
LOWER LIMIT	334242	10.745	196133.5	13.38	195494	14.798
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159709BS	n-Nitrosodimethylamine	50	39.2	ug/L	78					55	108	
	Pyridine	50	31.1	ug/L	62					29	97	
	Benzaldehyde	50		ug/L			*			15	121	
	Aniline	50	22	ug/L	44					10	130	
	Phenol	50	39.7	ug/L	79					66	118	
	bis(2-Chloroethyl)ether	50	43.8	ug/L	88					62	103	
	2-Chlorophenol	50	45.4	ug/L	91					70	117	
	1,2-Dichlorobenzene	50	44.8	ug/L	90					72	102	
	1,3-Dichlorobenzene	50	44.2	ug/L	88					71	103	
	1,4-Dichlorobenzene	50	44.5	ug/L	89					76	103	
	Benzyl Alcohol	50	47.6	ug/L	95		*			36	93	
	2-Methylphenol	50	39.9	ug/L	80					69	109	
	2,2-oxybis(1-Chloropropane)	50	37.8	ug/L	76					52	103	
	Acetophenone	50	45.3	ug/L	91					60	104	
	3+4-Methylphenols	50	39.4	ug/L	79					67	106	
	N-Nitroso-di-n-propylamine	50	39	ug/L	78					57	107	
	Hexachloroethane	50	46.2	ug/L	92					76	118	
	Nitrobenzene	50	42.1	ug/L	84					58	106	
	Isophorone	50	41.8	ug/L	84					61	102	
	2-Nitrophenol	50	48.2	ug/L	96					70	115	
	2,4-Dimethylphenol	50	38.8	ug/L	78					67	130	
	bis(2-Chloroethoxy)methane	50	42.9	ug/L	86					58	109	
	2,4-Dichlorophenol	50	44.9	ug/L	90					66	115	
	1,2,4-Trichlorobenzene	50	45.2	ug/L	90					41	115	
	Benzoic acid	50	39.4	ug/L	79					10	125	
	Naphthalene	50	41.5	ug/L	83					64	107	
	4-Chloroaniline	50	10.7	ug/L	21					10	85	
	Hexachlorobutadiene	50	45.5	ug/L	91					69	101	
	Caprolactam	50	45.3	ug/L	91					58	128	
	4-Chloro-3-methylphenol	50	43.3	ug/L	87					65	114	
	2-Methylnaphthalene	50	39.6	ug/L	79					64	107	
	Hexachlorocyclopentadiene	100	86.2	ug/L	86					36	160	
	2,4,6-Trichlorophenol	50	47	ug/L	94					61	110	
	2,4,5-Trichlorophenol	50	42.7	ug/L	85					70	106	
	1,1-Biphenyl	50	46.1	ug/L	92					72	98	
	2-Chloronaphthalene	50	46.8	ug/L	94					59	106	
	2-Nitroaniline	50	45.7	ug/L	91					58	107	
	Dimethylphthalate	50	45.3	ug/L	91					64	103	
	Acenaphthylene	50	44.9	ug/L	90					65	108	
	2,6-Dinitrotoluene	50	47.6	ug/L	95					64	110	
	3-Nitroaniline	50	22	ug/L	44					28	100	
	Acenaphthene	50	42.6	ug/L	85					59	113	
	Total PAH	800	685.3	ug/L	86					59	113	
	2,4-Dinitrophenol	100	86.9	ug/L	87					64	132	
	4-Nitrophenol	100	78.9	ug/L	79					68	116	
	Dibenzofuran	50	41.5	ug/L	83					65	106	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159709BS	2,4-Dinitrotoluene	50	45.5	ug/L	91				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	93.1	ug/L	93				60	115	
	Diethylphthalate	50	44.3	ug/L	89				63	105	
	4-Chlorophenyl-phenylether	50	42.6	ug/L	85				61	104	
	Fluorene	50	42.4	ug/L	85				64	107	
	4-Nitroaniline	50	40.7	ug/L	81				69	112	
	4,6-Dinitro-2-methylphenol	50	48.9	ug/L	98				62	132	
	N-Nitrosodiphenylamine	50	43.9	ug/L	88				61	109	
	Azobenzene	50	40.1	ug/L	80				59	106	
	4-Bromophenyl-phenylether	50	46	ug/L	92				73	103	
	Hexachlorobenzene	50	50.3	ug/L	101				73	106	
	Atrazine	50	47.3	ug/L	95				76	120	
	Pentachlorophenol	100	83.8	ug/L	84				47	114	
	Phenanthrene	50	42.2	ug/L	84				62	109	
	Anthracene	50	42.1	ug/L	84				65	110	
	Carbazole	50	42.7	ug/L	85				62	106	
	Di-n-butylphthalate	50	44.3	ug/L	89				64	106	
	Fluoranthene	50	41	ug/L	82				64	110	
	Benzidine	100	18.6	ug/L	19				10	94	
	Pyrene	50	40	ug/L	80				71	103	
	Butylbenzylphthalate	50	58.3	ug/L	117		*		61	105	
	3,3-Dichlorobenzidine	50	34	ug/L	68				43	108	
	Benzo(a)anthracene	50	42.1	ug/L	84				62	107	
	Chrysene	50	41.8	ug/L	84				61	108	
	bis(2-Ethylhexyl)phthalate	50	58.9	ug/L	118		*		59	110	
	Di-n-octyl phthalate	50	51.2	ug/L	102				67	126	
	Benzo(b)fluoranthene	50	48.1	ug/L	96				77	113	
	Benzo(k)fluoranthene	50	42.6	ug/L	85				64	113	
	Benzo(a)pyrene	50	42.7	ug/L	85				72	131	
	Indeno(1,2,3-cd)pyrene	50	44	ug/L	88				72	105	
	Dibenz(a,h)anthracene	50	43.9	ug/L	88				78	115	
	Benzo(g,h,i)perylene	50	43.4	ug/L	87				75	118	
	1,2,4,5-Tetrachlorobenzene	50	49.5	ug/L	99				72	101	
	1,4-Dioxane	50	34.7	ug/L	69				38	125	
	2,3,4,6-Tetrachlorophenol	50	45.6	ug/L	91				63	116	
	1-Methylnaphthalene	50	40.9	ug/L	82				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159682BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF032124

SAS No.: BF032124 SDG NO.: BF032124

Lab File ID: BF137659.D

Lab Sample ID: PB159682BL

Instrument ID: BNA_F

Date Extracted: 03/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/21/2024

Level: (low/med) LOW

Time Analyzed: 14:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

72-12002

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BF032124

SAS No.: BF032124

SDG NO.: BF032124

Lab File ID: BF137666.D

Lab Sample ID: P1821-01

Instrument ID: BNA_F

Date Extracted: 03/21/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/21/2024

Level: (low/med) LOW

Time Analyzed: 17:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
72-12002	P1821-01	BF137666.D	03/21/2024
B-148-SB02	P1817-03	BF137667.D	03/21/2024
TP-6	P1814-01	BF137668.D	03/21/2024
TP-6MS	P1814-01MS	BF137669.D	03/21/2024
TP-6MSD	P1814-01MSD	BF137670.D	03/21/2024
OK-01-032024	P1815-01	BF137671.D	03/21/2024
PL-01-032024	P1816-01	BF137672.D	03/21/2024
B-148-SB01	P1817-01	BF137673.D	03/21/2024
B-148-SB03	P1817-02	BF137674.D	03/21/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159709BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF032124SAS No.: BF032124 SDG NO.: BF032124Lab File ID: BF137660.DLab Sample ID: PB159709BLInstrument ID: BNA_FDate Extracted: 03/21/2024Matrix: (soil/water) waterDate Analyzed: 03/21/2024Level: (low/med) LOWTime Analyzed: 14:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159709BS	PB159709BS	BF137661.D	03/21/2024
PB159676TB	PB159676TB	BF137662.D	03/21/2024
TRENCH-PIT	P1803-02	BF137663.D	03/21/2024
TRENCH-PITMS	P1803-02MS	BF137664.D	03/21/2024
TRENCH-PITMSD	P1803-02MSD	BF137665.D	03/21/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1814-01MS	Client Sample ID:	TP-6MS					DataFile:	BF137669.D		
n-Nitrosodimethylamine	2100		1500	ug/Kg	71				66	124	
Pyridine	2100		1300	ug/Kg	62				45	119	
Benzaldehyde	2100		480	ug/Kg	23	*			26	163	
Aniline	2100		830	ug/Kg	40				10	88	
Phenol	2100		1700	ug/Kg	81				67	126	
bis(2-Chloroethyl)ether	2100		1700	ug/Kg	81				74	116	
2-Chlorophenol	2100		1800	ug/Kg	86				61	138	
1,2-Dichlorobenzene	2100		1800	ug/Kg	86				61	105	
1,3-Dichlorobenzene	2100		1800	ug/Kg	86				62	101	
1,4-Dichlorobenzene	2100		1700	ug/Kg	81				63	104	
Benzyl Alcohol	2100		1800	ug/Kg	86				47	126	
2-Methylphenol	2100		1500	ug/Kg	71				66	122	
2,2-oxybis(1-Chloropropane)	2100		1500	ug/Kg	71				52	115	
Acetophenone	2100		1800	ug/Kg	86				75	111	
3+4-Methylphenols	2100		1600	ug/Kg	76				53	132	
N-Nitroso-di-n-propylamine	2100		1500	ug/Kg	71				59	119	
Hexachloroethane	2100		1800	ug/Kg	86				65	117	
Nitrobenzene	2100		1700	ug/Kg	81				70	119	
Isophorone	2100		1600	ug/Kg	76				76	122	
2-Nitrophenol	2100		1800	ug/Kg	86				54	145	
2,4-Dimethylphenol	2100		1400	ug/Kg	67	*			83	144	
bis(2-Chloroethoxy)methane	2100		1700	ug/Kg	81				68	112	
2,4-Dichlorophenol	2100		1800	ug/Kg	86				72	118	
1,2,4-Trichlorobenzene	2100		1800	ug/Kg	86				57	103	
Benzoic acid	2100		1300	ug/Kg	62				50	104	
Naphthalene	2100		1700	ug/Kg	81				72	110	
4-Chloroaniline	2100		460	ug/Kg	22				10	100	
Hexachlorobutadiene	2100		1800	ug/Kg	86				66	114	
Caprolactam	2100		1800	ug/Kg	86				51	134	
4-Chloro-3-methylphenol	2100		1700	ug/Kg	81				57	132	
2-Methylnaphthalene	2100		1700	ug/Kg	81				59	123	
Hexachlorocyclopentadiene	4200		2600	ug/Kg	62				10	175	
2,4,6-Trichlorophenol	2100		1800	ug/Kg	86				72	117	
2,4,5-Trichlorophenol	2100		1700	ug/Kg	81				72	117	
1,1-Biphenyl	2100		1800	ug/Kg	86				75	113	
2-Chloronaphthalene	2100		1800	ug/Kg	86				67	118	
2-Nitroaniline	2100		1800	ug/Kg	86				69	127	
Dimethylphthalate	2100		1800	ug/Kg	86				70	113	
Acenaphthylene	2100		1800	ug/Kg	86				79	118	
2,6-Dinitrotoluene	2100		1800	ug/Kg	86				70	125	
3-Nitroaniline	2100		1100	ug/Kg	52				20	111	
Acenaphthene	2100		1700	ug/Kg	81				70	121	
Total PAH	33600		26400	ug/Kg	79				70	121	
2,4-Dinitrophenol	4200		2400	ug/Kg	57				16	160	
4-Nitrophenol	4200		2800	ug/Kg	67				45	133	
Dibenzofuran	2100		1700	ug/Kg	81				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	4200		3600	ug/Kg	86				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	2100		1800	ug/Kg	86				55	128	
Diethylphthalate	2100		1700	ug/Kg	81				70	112	
4-Chlorophenyl-phenylether	2100		1700	ug/Kg	81				71	108	
Fluorene	2100		1700	ug/Kg	81				68	116	
4-Nitroaniline	2100		1500	ug/Kg	71				55	120	
4,6-Dinitro-2-methylphenol	2100		1700	ug/Kg	81				32	145	
N-Nitrosodiphenylamine	2100		1900	ug/Kg	90				73	118	
Azobenzene	2100		1600	ug/Kg	76				73	110	
4-Bromophenyl-phenylether	2100		1900	ug/Kg	90				65	121	
Hexachlorobenzene	2100		2000	ug/Kg	95				67	118	
Atrazine	2100		2000	ug/Kg	95				79	127	
Pentachlorophenol	4200		3000	ug/Kg	71				47	128	
Phenanthrene	2100		1700	ug/Kg	81				72	113	
Anthracene	2100		1700	ug/Kg	81				62	124	
Carbazole	2100		1800	ug/Kg	86				59	119	
Di-n-butylphthalate	2100		1800	ug/Kg	86				69	118	
Fluoranthene	2100		1700	ug/Kg	81				59	125	
Benzidine	4200		1200	ug/Kg	29				10	119	
Pyrene	2100		1400	ug/Kg	67				52	128	
Butylbenzylphthalate	2100		2000	ug/Kg	95				64	126	
3,3-Dichlorobenzidine	2100		1600	ug/Kg	76				10	164	
Benzo(a)anthracene	2100		1700	ug/Kg	81				71	114	
Chrysene	2100		1700	ug/Kg	81				57	121	
bis(2-Ethylhexyl)phthalate	2100		2100	ug/Kg	100				66	127	
Di-n-octyl phthalate	2100		2000	ug/Kg	95				71	126	
Benzo(b)fluoranthene	2100		2000	ug/Kg	95				67	121	
Benzo(k)fluoranthene	2100		1800	ug/Kg	86				74	114	
Benzo(a)pyrene	2100		1800	ug/Kg	86				70	142	
Indeno(1,2,3-cd)pyrene	2100		1400	ug/Kg	67				61	125	
Dibenz(a,h)anthracene	2100		1400	ug/Kg	67				67	130	
Benzo(g,h,i)perylene	2100		1200	ug/Kg	57				53	140	
1,2,4,5-Tetrachlorobenzene	2100		1900	ug/Kg	90				69	124	
1,4-Dioxane	2100		1500	ug/Kg	71				46	112	
2,3,4,6-Tetrachlorophenol	2100		1600	ug/Kg	76				56	133	
1-Methylnaphthalene	2100		1600	ug/Kg	76				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1814-01MSD	Client Sample ID:	TP-6MSD				DataFile:	BF137670.D			
n-Nitrosodimethylamine	2100		1700	ug/Kg	81		13		66	124	20
Pyridine	2100		1500	ug/Kg	71		14		45	119	20
Benzaldehyde	2100		520	ug/Kg	25	*	8		26	163	20
Aniline	2100		900	ug/Kg	43		7		10	88	20
Phenol	2100		1800	ug/Kg	86		6		67	126	20
bis(2-Chloroethyl)ether	2100		1700	ug/Kg	81		0		74	116	20
2-Chlorophenol	2100		1900	ug/Kg	90		5		61	138	20
1,2-Dichlorobenzene	2100		2000	ug/Kg	95		10		61	105	20
1,3-Dichlorobenzene	2100		1900	ug/Kg	90		5		62	101	20
1,4-Dichlorobenzene	2100		1900	ug/Kg	90		11		63	104	20
Benzyl Alcohol	2100		1900	ug/Kg	90		5		47	126	20
2-Methylphenol	2100		1700	ug/Kg	81		13		66	122	20
2,2-oxybis(1-Chloropropane)	2100		1600	ug/Kg	76		7		52	115	20
Acetophenone	2100		2000	ug/Kg	95		10		75	111	20
3+4-Methylphenols	2100		1800	ug/Kg	86		12		53	132	20
N-Nitroso-di-n-propylamine	2100		1700	ug/Kg	81		13		59	119	20
Hexachloroethane	2100		1900	ug/Kg	90		5		65	117	20
Nitrobenzene	2100		1800	ug/Kg	86		6		70	119	20
Isophorone	2100		1800	ug/Kg	86		12		76	122	20
2-Nitrophenol	2100		2100	ug/Kg	100		15		54	145	20
2,4-Dimethylphenol	2100		1500	ug/Kg	71	*	6		83	144	20
bis(2-Chloroethoxy)methane	2100		1800	ug/Kg	86		6		68	112	20
2,4-Dichlorophenol	2100		1900	ug/Kg	90		5		72	118	20
1,2,4-Trichlorobenzene	2100		1900	ug/Kg	90		5		57	103	20
Benzoic acid	2100		1500	ug/Kg	71		14		50	104	20
Naphthalene	2100		1800	ug/Kg	86		6		72	110	20
4-Chloroaniline	2100		380	ug/Kg	18		20		10	100	20
Hexachlorobutadiene	2100		2000	ug/Kg	95		10		66	114	20
Caprolactam	2100		1900	ug/Kg	90		5		51	134	20
4-Chloro-3-methylphenol	2100		1800	ug/Kg	86		6		57	132	20
2-Methylnaphthalene	2100		1800	ug/Kg	86		6		59	123	20
Hexachlorocyclopentadiene	4200		2700	ug/Kg	64		3		10	175	20
2,4,6-Trichlorophenol	2100		2000	ug/Kg	95		10		72	117	20
2,4,5-Trichlorophenol	2100		1800	ug/Kg	86		6		72	117	20
1,1-Biphenyl	2100		2000	ug/Kg	95		10		75	113	20
2-Chloronaphthalene	2100		2000	ug/Kg	95		10		67	118	20
2-Nitroaniline	2100		2000	ug/Kg	95		10		69	127	20
Dimethylphthalate	2100		1900	ug/Kg	90		5		70	113	20
Acenaphthylene	2100		2000	ug/Kg	95		10		79	118	20
2,6-Dinitrotoluene	2100		2000	ug/Kg	95		10		70	125	20
3-Nitroaniline	2100		1100	ug/Kg	52		0		20	111	20
Acenaphthene	2100		1800	ug/Kg	86		6		70	121	20
Total PAH	33600		28800	ug/Kg	86		8		70	121	20
2,4-Dinitrophenol	4200		2500	ug/Kg	60		5		16	160	20
4-Nitrophenol	4200		3000	ug/Kg	71		6		45	133	20
Dibenzofuran	2100		1800	ug/Kg	86		6		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	4200		3900	ug/Kg	93		8		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	2100		1900	ug/Kg	90		5		55	128	20
Diethylphthalate	2100		1800	ug/Kg	86		6		70	112	20
4-Chlorophenyl-phenylether	2100		1800	ug/Kg	86		6		71	108	20
Fluorene	2100		1800	ug/Kg	86		6		68	116	20
4-Nitroaniline	2100		1500	ug/Kg	71		0		55	120	20
4,6-Dinitro-2-methylphenol	2100		1800	ug/Kg	86		6		32	145	20
N-Nitrosodiphenylamine	2100		2100	ug/Kg	100		11		73	118	20
Azobenzene	2100		1700	ug/Kg	81		6		73	110	20
4-Bromophenyl-phenylether	2100		2100	ug/Kg	100		11		65	121	20
Hexachlorobenzene	2100		2200	ug/Kg	105		10		67	118	20
Atrazine	2100		2100	ug/Kg	100		5		79	127	20
Pentachlorophenol	4200		3400	ug/Kg	81		13		47	128	20
Phenanthrene	2100		1900	ug/Kg	90		11		72	113	20
Anthracene	2100		1900	ug/Kg	90		11		62	124	20
Carbazole	2100		2000	ug/Kg	95		10		59	119	20
Di-n-butylphthalate	2100		2000	ug/Kg	95		10		69	118	20
Fluoranthene	2100		2000	ug/Kg	95		16		59	125	20
Benzidine	4200		1600	ug/Kg	38		27	*	10	119	20
Pyrene	2100		1400	ug/Kg	67		0		52	128	20
Butylbenzylphthalate	2100		2000	ug/Kg	95		0		64	126	20
3,3-Dichlorobenzidine	2100		1800	ug/Kg	86		12		10	164	20
Benzo(a)anthracene	2100		1800	ug/Kg	86		6		71	114	20
Chrysene	2100		1900	ug/Kg	90		11		57	121	20
bis(2-Ethylhexyl)phthalate	2100		2100	ug/Kg	100		0		66	127	20
Di-n-octyl phthalate	2100		2100	ug/Kg	100		5		71	126	20
Benzo(b)fluoranthene	2100		2200	ug/Kg	105		10		67	121	20
Benzo(k)fluoranthene	2100		2000	ug/Kg	95		10		74	114	20
Benzo(a)pyrene	2100		1900	ug/Kg	90		5		70	142	20
Indeno(1,2,3-cd)pyrene	2100		1500	ug/Kg	71		6		61	125	20
Dibenz(a,h)anthracene	2100		1500	ug/Kg	71		6		67	130	20
Benzo(g,h,i)perylene	2100		1400	ug/Kg	67		16		53	140	20
1,2,4,5-Tetrachlorobenzene	2100		2100	ug/Kg	100		11		69	124	20
1,4-Dioxane	2100		1700	ug/Kg	81		13		46	112	20
2,3,4,6-Tetrachlorophenol	2100		1700	ug/Kg	81		6		56	133	20
1-Methylnaphthalene	2100		1700	ug/Kg	81		6		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Limits		RPD
		Result				Qual		Qual	Low	High	
Lab Sample ID:	P1803-02MS	Client Sample ID:	TRENCH-PITMS				DataFile:	BF137664.D			
n-Nitrosodimethylamine	500		380	ug/L	76				10	130	
Pyridine	500		230	ug/L	46				10	109	
Benzaldehyde	500		57.4	ug/L	11				10	137	
Aniline	500		51.6	ug/L	10				10	130	
Phenol	500		330	ug/L	66				10	130	
bis(2-Chloroethyl)ether	500		410	ug/L	82				29	141	
2-Chlorophenol	500		430	ug/L	86				23	127	
1,2-Dichlorobenzene	500		450	ug/L	90				61	114	
1,3-Dichlorobenzene	500		440	ug/L	88				65	106	
1,4-Dichlorobenzene	500		430	ug/L	86				55	125	
Benzyl Alcohol	500		410	ug/L	82				31	94	
2-Methylphenol	500		370	ug/L	74				23	132	
2,2-oxybis(1-Chloropropane)	500		360	ug/L	72				36	141	
Acetophenone	500		440	ug/L	88				31	164	
3+4-Methylphenols	500		380	ug/L	76				17	136	
N-Nitroso-di-n-propylamine	500		380	ug/L	76				36	147	
Hexachloroethane	500		450	ug/L	90				35	137	
Nitrobenzene	500		410	ug/L	82				40	134	
Isophorone	500		400	ug/L	80				39	146	
2-Nitrophenol	500		460	ug/L	92				30	148	
2,4-Dimethylphenol	500		340	ug/L	68				17	143	
bis(2-Chloroethoxy)methane	500		420	ug/L	84				39	143	
2,4-Dichlorophenol	500		430	ug/L	86				22	146	
1,2,4-Trichlorobenzene	500		450	ug/L	90				66	110	
Benzoic acid	500		350	ug/L	70				10	101	
Naphthalene	500		420	ug/L	84				17	157	
4-Chloroaniline	500		30.9	ug/L	6	*			10	95	
Hexachlorobutadiene	500		450	ug/L	90				52	125	
Caprolactam	500		340	ug/L	68				10	130	
4-Chloro-3-methylphenol	500		410	ug/L	82				17	148	
2-Methylnaphthalene	500		410	ug/L	82				38	146	
Hexachlorocyclopentadiene	1000		850	ug/L	85				20	153	
2,4,6-Trichlorophenol	500		460	ug/L	92				46	139	
2,4,5-Trichlorophenol	500		430	ug/L	86				42	129	
1,1-Biphenyl	500		450	ug/L	90				38	154	
2-Chloronaphthalene	500		470	ug/L	94				41	145	
2-Nitroaniline	500		420	ug/L	84				39	151	
Dimethylphthalate	500		440	ug/L	88				42	147	
Acenaphthylene	500		450	ug/L	90				40	141	
2,6-Dinitrotoluene	500		450	ug/L	90				43	148	
3-Nitroaniline	500		40.7	ug/L	8	*			10	111	
Acenaphthene	500		430	ug/L	86				37	146	
Total PAH	8000		6550	ug/L	82				37	146	
2,4-Dinitrophenol	1000		720	ug/L	72				14	167	
4-Nitrophenol	1000		620	ug/L	62				10	130	
Dibenzofuran	500		420	ug/L	84				41	145	
2,4-Dinitrotoluene	500		450	ug/L	90				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		900	ug/L	90				40	151	
Diethylphthalate	500		430	ug/L	86				41	148	
4-Chlorophenyl-phenylether	500		430	ug/L	86				38	149	
Fluorene	500		420	ug/L	84				39	144	
4-Nitroaniline	500		290	ug/L	58				27	138	
4,6-Dinitro-2-methylphenol	500		460	ug/L	92				32	175	
N-Nitrosodiphenylamine	500		460	ug/L	92				40	150	
Azobenzene	500		400	ug/L	80				72	112	
4-Bromophenyl-phenylether	500		490	ug/L	98				42	151	
Hexachlorobenzene	500		510	ug/L	102				60	129	
Atrazine	500		370	ug/L	74				20	162	
Pentachlorophenol	1000		820	ug/L	82				15	137	
Phenanthrene	500		440	ug/L	88				40	147	
Anthracene	500		430	ug/L	86				41	146	
Carbazole	500		420	ug/L	84				37	154	
Di-n-butylphthalate	500		450	ug/L	90				40	151	
Fluoranthene	500		410	ug/L	82				42	146	
Benzidine	1000			ug/L		*			10	130	
Pyrene	500		330	ug/L	66				41	149	
Butylbenzylphthalate	500		480	ug/L	96				39	155	
3,3-Dichlorobenzidine	500		77.6	ug/L	16				10	114	
Benzo(a)anthracene	500		420	ug/L	84				41	147	
Chrysene	500		420	ug/L	84				44	144	
bis(2-Ethylhexyl)phthalate	500		490	ug/L	98				33	160	
Di-n-octyl phthalate	500		480	ug/L	96				36	158	
Benzo(b)fluoranthene	500		480	ug/L	96				40	150	
Benzo(k)fluoranthene	500		430	ug/L	86				40	147	
Benzo(a)pyrene	500		430	ug/L	86				42	147	
Indeno(1,2,3-cd)pyrene	500		360	ug/L	72				30	166	
Dibenz(a,h)anthracene	500		370	ug/L	74				23	172	
Benzo(g,h,i)perylene	500		310	ug/L	62				27	167	
1,2,4,5-Tetrachlorobenzene	500		470	ug/L	94				89	102	
1,4-Dioxane	500		360	ug/L	72				38	130	
2,3,4,6-Tetrachlorophenol	500		430	ug/L	86	*			91	111	
1-Methylnaphthalene	500		400	ug/L	80				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1803-02MSD	Client Sample ID:	TRENCH-PITMSD					DataFile:	BF137665.D		
n-Nitrosodimethylamine	500		400	ug/L	80		5		10	130	20
Pyridine	500		270	ug/L	54		16		10	109	20
Benzaldehyde	500		61.4	ug/L	12		9		10	137	20
Aniline	500		53.9	ug/L	11		10		10	130	20
Phenol	500		370	ug/L	74		11		10	130	20
bis(2-Chloroethyl)ether	500		450	ug/L	90		9		29	141	20
2-Chlorophenol	500		480	ug/L	96		11		23	127	20
1,2-Dichlorobenzene	500		500	ug/L	100		11		61	114	20
1,3-Dichlorobenzene	500		480	ug/L	96		9		65	106	20
1,4-Dichlorobenzene	500		470	ug/L	94		9		55	125	20
Benzyl Alcohol	500		460	ug/L	92		11		31	94	20
2-Methylphenol	500		400	ug/L	80		8		23	132	20
2,2-oxybis(1-Chloropropane)	500		390	ug/L	78		8		36	141	20
Acetophenone	500		480	ug/L	96		9		31	164	20
3+4-Methylphenols	500		420	ug/L	84		10		17	136	20
N-Nitroso-di-n-propylamine	500		420	ug/L	84		10		36	147	20
Hexachloroethane	500		500	ug/L	100		11		35	137	20
Nitrobenzene	500		450	ug/L	90		9		40	134	20
Isophorone	500		440	ug/L	88		10		39	146	20
2-Nitrophenol	500		500	ug/L	100		8		30	148	20
2,4-Dimethylphenol	500		370	ug/L	74		8		17	143	20
bis(2-Chloroethoxy)methane	500		460	ug/L	92		9		39	143	20
2,4-Dichlorophenol	500		480	ug/L	96		11		22	146	20
1,2,4-Trichlorobenzene	500		490	ug/L	98		9		66	110	20
Benzoic acid	500		400	ug/L	80		13		10	101	20
Naphthalene	500		460	ug/L	92		9		17	157	20
4-Chloroaniline	500		30.4	ug/L	6	*	0		10	95	20
Hexachlorobutadiene	500		480	ug/L	96		6		52	125	20
Caprolactam	500		390	ug/L	78		14		10	130	20
4-Chloro-3-methylphenol	500		450	ug/L	90		9		17	148	20
2-Methylnaphthalene	500		450	ug/L	90		9		38	146	20
Hexachlorocyclopentadiene	1000		920	ug/L	92		8		20	153	20
2,4,6-Trichlorophenol	500		490	ug/L	98		6		46	139	20
2,4,5-Trichlorophenol	500		460	ug/L	92		7		42	129	20
1,1-Biphenyl	500		490	ug/L	98		9		38	154	20
2-Chloronaphthalene	500		490	ug/L	98		4		41	145	20
2-Nitroaniline	500		460	ug/L	92		9		39	151	20
Dimethylphthalate	500		480	ug/L	96		9		42	147	20
Acenaphthylene	500		490	ug/L	98		9		40	141	20
2,6-Dinitrotoluene	500		490	ug/L	98		9		43	148	20
3-Nitroaniline	500		44.4	ug/L	9	*	12		10	111	20
Acenaphthene	500		460	ug/L	92		7		37	146	20
Total PAH	8000		7180	ug/L	90		9		37	146	20
2,4-Dinitrophenol	1000		810	ug/L	81		12		14	167	20
4-Nitrophenol	1000		690	ug/L	69		11		10	130	20
Dibenzofuran	500		460	ug/L	92		9		41	145	20
2,4-Dinitrotoluene	500		490	ug/L	98		9		40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF032124

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		980	ug/L	98		9		40	151	20
Diethylphthalate	500		460	ug/L	92		7		41	148	20
4-Chlorophenyl-phenylether	500		460	ug/L	92		7		38	149	20
Fluorene	500		450	ug/L	90		7		39	144	20
4-Nitroaniline	500		330	ug/L	66		13		27	138	20
4,6-Dinitro-2-methylphenol	500		500	ug/L	100		8		32	175	20
N-Nitrosodiphenylamine	500		490	ug/L	98		6		40	150	20
Azobenzene	500		430	ug/L	86		7		72	112	20
4-Bromophenyl-phenylether	500		520	ug/L	104		6		42	151	20
Hexachlorobenzene	500		540	ug/L	108		6		60	129	20
Atrazine	500		410	ug/L	82		10		20	162	20
Pentachlorophenol	1000		910	ug/L	91		10		15	137	20
Phenanthrene	500		470	ug/L	94		7		40	147	20
Anthracene	500		460	ug/L	92		7		41	146	20
Carbazole	500		450	ug/L	90		7		37	154	20
Di-n-butylphthalate	500		490	ug/L	98		9		40	151	20
Fluoranthene	500		430	ug/L	86		5		42	146	20
Benzidine	1000		0	ug/L	0	*			10	130	20
Pyrene	500		380	ug/L	76		14		41	149	20
Butylbenzylphthalate	500		550	ug/L	110		14		39	155	20
3,3-Dichlorobenzidine	500		91.7	ug/L	18		12		10	114	20
Benzo(a)anthracene	500		460	ug/L	92		9		41	147	20
Chrysene	500		470	ug/L	94		11		44	144	20
bis(2-Ethylhexyl)phthalate	500		560	ug/L	112		13		33	160	20
Di-n-octyl phthalate	500		520	ug/L	104		8		36	158	20
Benzo(b)fluoranthene	500		530	ug/L	106		10		40	150	20
Benzo(k)fluoranthene	500		470	ug/L	94		9		40	147	20
Benzo(a)pyrene	500		490	ug/L	98		13		42	147	20
Indeno(1,2,3-cd)pyrene	500		400	ug/L	80		11		30	166	20
Dibenz(a,h)anthracene	500		410	ug/L	82		10		23	172	20
Benzo(g,h,i)perylene	500		350	ug/L	70		12		27	167	20
1,2,4,5-Tetrachlorobenzene	500		510	ug/L	102		8		89	102	20
1,4-Dioxane	500		400	ug/L	80		11		38	130	20
2,3,4,6-Tetrachlorophenol	500		460	ug/L	92		7		91	111	20
1-Methylnaphthalene	500		440	ug/L	88		10		25	151	20



Surrogate Summary
SW-846

SDG No.: BF032124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1804-01DL	JC-03-03192024-AIBF137675.D		2-Fluorophenol	150	64.18	43		18	112
			Phenol-d6	150	54.49	36		15	107
			Nitrobenzene-d5	100	33.82	34		18	107
			2-Fluorobiphenyl	100	63.58	64		20	109
			2,4,6-Tribromophenol	150	60.66	40		10	110
			Terphenyl-d14	100	46.15	46		14	112
PB159682BL	PB159682BL	BF137659.D	2-Fluorophenol	150	114.53	76		18	112
			Phenol-d6	150	106.18	71		15	107
			Nitrobenzene-d5	100	76.12	76		18	107
			2-Fluorobiphenyl	100	78.58	79		20	109
			2,4,6-Tribromophenol	150	134.94	90		10	110
			Terphenyl-d14	100	70.12	70		14	112



Surrogate Summary

SW-846

SDG No.: BF032124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1814-01	TP-6	BF137668.D	2-Fluorophenol	150	87.03	58		18	112
			Phenol-d6	150	79.91	53		15	107
			Nitrobenzene-d5	100	53.93	54		18	107
			2-Fluorobiphenyl	100	62.27	62		20	109
			2,4,6-Tribromophenol	150	75.53	50		10	110
			Terphenyl-d14	100	39.45	39		14	112
P1814-01MS	TP-6MS	BF137669.D	2-Fluorophenol	150	85.81	57		18	112
			Phenol-d6	150	80.03	53		15	107
			Nitrobenzene-d5	100	56.47	56		18	107
			2-Fluorobiphenyl	100	61.96	62		20	109
			2,4,6-Tribromophenol	150	83.47	56		10	110
			Terphenyl-d14	100	43.44	43		14	112
P1814-01MSD	TP-6MSD	BF137670.D	2-Fluorophenol	150	94.08	63		18	112
			Phenol-d6	150	86.89	58		15	107
			Nitrobenzene-d5	100	61.56	62		18	107
			2-Fluorobiphenyl	100	68.06	68		20	109
			2,4,6-Tribromophenol	150	86.22	57		10	110
			Terphenyl-d14	100	44.50	45		14	112
P1815-01	OK-01-032024	BF137671.D	2-Fluorophenol	150	26.64	18		18	112
			Phenol-d6	150	26.76	18		15	107
			Nitrobenzene-d5	100	17.84	18		18	107
			2-Fluorobiphenyl	100	28.65	29		20	109
			2,4,6-Tribromophenol	150	27.22	18		10	110
			Terphenyl-d14	100	19.19	19		14	112
P1816-01	PL-01-032024	BF137672.D	2-Fluorophenol	150	58.02	39		18	112
			Phenol-d6	150	53.96	36		15	107
			Nitrobenzene-d5	100	33.88	34		18	107
			2-Fluorobiphenyl	100	51.07	51		20	109
			2,4,6-Tribromophenol	150	56.37	38		10	110
			Terphenyl-d14	100	37.66	38		14	112
P1817-01	B-148-SB01	BF137673.D	2-Fluorophenol	150	94.28	63		18	112
			Phenol-d6	150	86.23	57		15	107
			Nitrobenzene-d5	100	61.41	61		18	107
			2-Fluorobiphenyl	100	65.18	65		20	109
			2,4,6-Tribromophenol	150	89.24	59		10	110
			Terphenyl-d14	100	41.64	42		14	112
P1817-02	B-148-SB03	BF137674.D	2-Fluorophenol	150	92.43	62		18	112
			Phenol-d6	150	83.82	56		15	107
			Nitrobenzene-d5	100	61.08	61		18	107
			2-Fluorobiphenyl	100	66.33	66		20	109
			2,4,6-Tribromophenol	150	86.41	58		10	110
			Terphenyl-d14	100	42.10	42		14	112
P1817-03	B-148-SB02	BF137667.D	2-Fluorophenol	150	90.23	60		18	112
			Phenol-d6	150	81.84	55		15	107
			Nitrobenzene-d5	100	56.25	56		18	107
			2-Fluorobiphenyl	100	54.28	54		20	109
			2,4,6-Tribromophenol	150	80.76	54		10	110
			Terphenyl-d14	100	30.74	31		14	112
P1821-01	72-12002	BF137666.D	2-Fluorophenol	150	89.61	60		18	112
			Phenol-d6	150	84.15	56		15	107
			Nitrobenzene-d5	100	59.59	60		18	107



Surrogate Summary
SW-846

SDG No.: BF032124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1821-01	72-12002	BF137666.D	2-Fluorobiphenyl	100	68.96	69		20	109
			2,4,6-Tribromophenol	150	75.53	50		10	110
			Terphenyl-d14	100	45.75	46		14	112



Surrogate Summary

SW-846

SDG No.: BF032124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1803-02	TRENCH-PIT	BF137663.D	2-Fluorophenol	150	120.47	80		10	139
			Phenol-d6	150	99.54	66		10	134
			Nitrobenzene-d5	100	84.93	85		49	133
			2-Fluorobiphenyl	100	92.17	92		52	132
			2,4,6-Tribromophenol	150	132.67	88		32	145
			Terphenyl-d14	100	68.04	68		36	145
P1803-02MS	TRENCH-PITMS	BF137664.D	2-Fluorophenol	150	118.20	79		10	139
			Phenol-d6	150	99.17	66		10	134
			Nitrobenzene-d5	100	83.35	83		49	133
			2-Fluorobiphenyl	100	87.81	88		52	132
			2,4,6-Tribromophenol	150	135.52	90		32	145
			Terphenyl-d14	100	67.23	67		36	145
P1803-02MSD	TRENCH-PITMSD	BF137665.D	2-Fluorophenol	150	128.71	86		10	139
			Phenol-d6	150	109.63	73		10	134
			Nitrobenzene-d5	100	90.78	91		49	133
			2-Fluorobiphenyl	100	94.34	94		52	132
			2,4,6-Tribromophenol	150	147.86	99		32	145
			Terphenyl-d14	100	76.20	76		36	145
PB159676TB	PB159676TB	BF137662.D	2-Fluorophenol	150	124.20	83		10	139
			Phenol-d6	150	112.53	75		10	134
			Nitrobenzene-d5	100	79.74	80		49	133
			2-Fluorobiphenyl	100	80.96	81		52	132
			2,4,6-Tribromophenol	150	129.82	87		32	145
			Terphenyl-d14	100	77.49	77		36	145
PB159709BL	PB159709BL	BF137660.D	2-Fluorophenol	150	117.55	78		10	139
			Phenol-d6	150	109.31	73		10	134
			Nitrobenzene-d5	100	80.37	80		49	133
			2-Fluorobiphenyl	100	83.50	84		52	132
			2,4,6-Tribromophenol	150	126.34	84		32	145
			Terphenyl-d14	100	73.61	74		36	145
PB159709BS	PB159709BS	BF137661.D	2-Fluorophenol	150	121.47	81		10	139
			Phenol-d6	150	112.54	75		10	134
			Nitrobenzene-d5	100	81.82	82		49	133
			2-Fluorobiphenyl	100	85.85	86		52	132
			2,4,6-Tribromophenol	150	145.60	97		32	145
			Terphenyl-d14	100	80.39	80		36	145

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF032124

Lab Code: CHEM

SAS No.: BF032124 SDG NO.: BF032124

Lab File ID: BF137657.D

DFTPP Injection Date: 03/21/2024

Instrument ID: BNA_F

DFTPP Injection Time: 12:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.7
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	37.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.7
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	2.7
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 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	BF137658.D	03/21/2024	13:00
PB159682BL	PB159682BL	BF137659.D	03/21/2024	14:16
PB159709BL	PB159709BL	BF137660.D	03/21/2024	14:51
PB159709BS	PB159709BS	BF137661.D	03/21/2024	15:21
PB159676TB	PB159676TB	BF137662.D	03/21/2024	15:51
TRENCH-PIT	P1803-02	BF137663.D	03/21/2024	16:27
TRENCH-PITMS	P1803-02MS	BF137664.D	03/21/2024	16:57
TRENCH-PITMSD	P1803-02MSD	BF137665.D	03/21/2024	17:26
72-12002	P1821-01	BF137666.D	03/21/2024	17:56
B-148-SB02	P1817-03	BF137667.D	03/21/2024	18:26
TP-6	P1814-01	BF137668.D	03/21/2024	18:56
TP-6MS	P1814-01MS	BF137669.D	03/21/2024	19:26
TP-6MSD	P1814-01MSD	BF137670.D	03/21/2024	19:55
OK-01-032024	P1815-01	BF137671.D	03/21/2024	20:25
PL-01-032024	P1816-01	BF137672.D	03/21/2024	20:55
B-148-SB01	P1817-01	BF137673.D	03/21/2024	21:24
B-148-SB03	P1817-02	BF137674.D	03/21/2024	21:53
JC-03-03192024-ADL	P1804-01DL	BF137675.D	03/21/2024	22:23