

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF071524 SAS No.: BF071524 SDG No.: BF071524
Instrument ID: BNA_F Calibration Date/Time: 7/15/2024 11:51
Lab File ID: BF138564.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	0.898	0.898		0.0	
Pyridine	1.379	1.476		7.034	
2-Fluorophenol	1.263	1.322		4.671	
Benzaldehyde	0.899	0.921		2.447	
Aniline	1.573	1.518		-3.497	
Phenol-d6	1.680	1.606		-4.405	
Phenol	1.783	1.692		-5.104	20.0
bis(2-Chloroethyl) ether	1.343	1.289		-4.021	
2-Chlorophenol	1.335	1.303		-2.397	
1,2-Dichlorobenzene	1.420	1.483		4.437	
1,3-Dichlorobenzene	1.501	1.479		-1.466	
1,4-Dichlorobenzene	1.524	1.492		-2.1	20.0
Benzyl Alcohol	1.261	1.322		4.837	
2-Methylphenol	1.094	1.260		15.174	
2,2-oxybis(1-Chloropropane)	2.640	3.010		14.015	
Acetophenone	0.486	0.535		10.082	
3+4-Methylphenols	1.378	1.442		4.644	
n-Nitroso-di-n-propylamine	1.038	1.074	0.050	3.468	
Nitrobenzene-d5	0.407	0.421		3.44	
Hexachloroethane	0.560	0.609		8.75	
Nitrobenzene	0.414	0.429		3.623	
Isophorone	0.700	0.800		14.286	
2-Nitrophenol	0.177	0.208		17.514	20.0
2,4-Dimethylphenol	0.218	0.252		15.596	
bis(2-Chloroethoxy) methane	0.418	0.442		5.742	
2,4-Dichlorophenol	0.283	0.286		1.06	20.0
1,2,4-Trichlorobenzene	0.330	0.327		-0.909	
Benzoic acid	0.208	0.201		-3.365	
Naphthalene	1.040	1.023		-1.635	
4-Chloroaniline	0.365	0.352		-3.562	
Hexachlorobutadiene	0.203	0.203		0.0	20.0
Caprolactam	0.091	0.091		0.0	
4-Chloro-3-methylphenol	0.317	0.309		-2.524	20.0
2-Methylnaphthalene	0.669	0.656		-1.943	
Hexachlorocyclopentadiene	0.181	0.159	0.050	-12.155	
2,4,6-Trichlorophenol	0.356	0.360		1.124	20.0
2-Fluorobiphenyl	1.280	1.253		-2.109	
2,4,5-Trichlorophenol	0.391	0.392		0.256	
1,1-Biphenyl	1.516	1.501		-0.989	

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Instrument ID: BNA_F Calibration Date/Time: 7/15/2024 11:51

Lab File ID: BF138564.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.145	1.148		0.262	
2-Nitroaniline	0.397	0.392		-1.259	
Dimethylphthalate	1.293	1.303		0.773	
Acenaphthylene	1.626	1.607		-1.169	
2,6-Dinitrotoluene	0.298	0.299		0.336	
3-Nitroaniline	0.305	0.305		0.0	
Acenaphthene	1.081	1.061		-1.85	20.0
2,4-Dinitrophenol	0.141	0.140	0.050	-0.709	
4-Nitrophenol	0.225	0.207	0.050	-8.0	
Dibenzofuran	1.567	1.560		-0.447	
2,4-Dinitrotoluene	0.385	0.396		2.857	
Diethylphthalate	1.247	1.266		1.524	
4-Chlorophenyl-phenylether	0.623	0.625		0.321	
Fluorene	1.240	1.231		-0.726	
4-Nitroaniline	0.306	0.302		-1.307	
4,6-Dinitro-2-methylphenol	0.115	0.126		9.565	
n-Nitrosodiphenylamine	0.599	0.604		0.835	20.0
Azobenzene	1.340	1.331		-0.672	
2,4,6-Tribromophenol	0.187	0.192		2.674	
4-Bromophenyl-phenylether	0.206	0.214		3.883	
Hexachlorobenzene	0.228	0.233		2.193	
Atrazine	0.199	0.176		-11.558	
Pentachlorophenol	0.135	0.130		-3.704	20.0
Phenanthrene	1.010	0.988		-2.178	
Anthracene	1.003	0.985		-1.795	
Carbazole	0.901	0.885		-1.776	
Di-n-butylphthalate	1.039	1.101		5.967	
Fluoranthene	1.031	1.013		-1.746	20.0
Benzidine	0.505	0.418		-17.228	
Pyrene	2.030	1.977		-2.611	
Terphenyl-d14	1.228	1.237		0.733	
Butylbenzylphthalate	0.611	0.683		11.784	
3,3-Dichlorobenzidine	0.346	0.370		6.936	
Benzo(a)anthracene	1.342	1.328		-1.043	
Chrysene	1.270	1.255		-1.181	
Bis(2-ethylhexyl)phthalate	0.651	0.813		24.885	
Di-n-octyl phthalate	1.029	1.268		23.226	20.0
Benzo(b)fluoranthene	1.126	1.108		-1.599	
Benzo(k)fluoranthene	1.099	1.052		-4.277	

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Lab Name: CHEMTECH Contract: _____
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 Instrument ID: BNA_F Calibration Date/Time: 7/15/2024 11:51
 Lab File ID: BF138564.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.989	0.971		-1.82	20.0
Indeno(1,2,3-cd)pyrene	1.343	1.452		8.116	
Dibenzo(a,h)anthracene	1.099	1.200		9.19	
Benzo(g,h,i)perylene	1.165	1.375		18.026	
1,2,4,5-Tetrachlorobenzene	0.557	0.564		1.257	
1,4-Dioxane	0.559	0.573		2.504	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.311		0.647	
1-Methylnaphthalene	0.653	0.640		-1.991	

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	7/12/2024 12:00:00 AM	
Project:				Date Received:	7/12/2024 12:00:00 AM	
Client Sample ID:	PB162035BL			SDG No.:	BF071524	
Lab Sample ID:	PB162035BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138565.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

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

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162035BL	SDG No.:	BF071524
Lab Sample ID:	PB162035BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138565.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

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

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162035BL	SDG No.:	BF071524
Lab Sample ID:	PB162035BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138565.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	126.684		18-112		84	SPK: -150
13127-88-3	Phenol-d6	111.78		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	79.941		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	80.085		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162035BL	SDG No.:	BF071524
Lab Sample ID:	PB162035BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138565.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.733		10-110		82	SPK: -150
1718-51-0	Terphenyl-d14	83.171		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154777	6.869				
1146-65-2	Naphthalene-d8	575620	8.145				
15067-26-2	Acenaphthene-d10	324179	9.904				
1517-22-2	Phenanthrene-d10	596474	11.386				
1719-03-5	Chrysene-d12	370623	14.021				
1520-96-3	Perylene-d12	378509	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	100	J			2.257	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A			5.122	
000111-06-8	Hexadecanoic acid, butyl ester	130	J			12.786	
000646-13-9	Octadecanoic acid, 2-methylpropyl	99.9	J			13.492	



Client:				Date Collected:	7/12/2024 12:00:00 AM	
Project:				Date Received:	7/12/2024 12:00:00 AM	
Client Sample ID:	PB162035BS			SDG No.:	BF071524	
Lab Sample ID:	PB162035BS			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
BF138566.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.8	270	330	ug/Kg
110-86-1	Pyridine	1000		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	440		180	270	330	ug/Kg
62-53-3	Aniline	890		96.9	130	170	ug/Kg
108-95-2	Phenol	1400		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1300		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	860		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162035BS	SDG No.:	BF071524
Lab Sample ID:	PB162035BS	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
BF138566.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	980		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1300		81.1	130	170	ug/Kg
Total PAH	Total PAH	23000		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2800		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1300		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85	130	170	ug/Kg
1912-24-9	Atrazine	1200		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162035BS	SDG No.:	BF071524
Lab Sample ID:	PB162035BS	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
BF138566.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1400		84	130	170	ug/Kg
120-12-7	Anthracene	1400		84.4	130	170	ug/Kg
86-74-8	Carbazole	1400		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1300		81.7	130	170	ug/Kg
92-87-5	Benzidine	330		160	270	330	ug/Kg
129-00-0	Pyrene	1300		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	130	170	ug/Kg
218-01-9	Chrysene	1400		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	960		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121		18-112		81	SPK: -150
13127-88-3	Phenol-d6	118.812		15-107		79	SPK: -150
4165-60-0	Nitrobenzene-d5	78.708		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	74.97		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162035BS	SDG No.:	BF071524
Lab Sample ID:	PB162035BS	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
BF138566.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	120.519		10-110		80	SPK: -150
1718-51-0	Terphenyl-d14	89.469		14-112		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	152430	6.869				
1146-65-2	Naphthalene-d8	635277	8.151				
15067-26-2	Acenaphthene-d10	358658	9.91				
1517-22-2	Phenanthrene-d10	630399	11.392				
1719-03-5	Chrysene-d12	327841	14.033				
1520-96-3	Perylene-d12	297425	15.498				

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BL	SDG No.:	BF071524
Lab Sample ID:	PB162036BL	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
BF138567.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

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

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BL	SDG No.:	BF071524
Lab Sample ID:	PB162036BL	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
BF138567.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

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

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BL	SDG No.:	BF071524
Lab Sample ID:	PB162036BL	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
BF138567.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.626		10-139		80	SPK: -150
13127-88-3	Phenol-d6	133.588		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	81.145		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	78.44		52-132		78	SPK: -100

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BL	SDG No.:	BF071524
Lab Sample ID:	PB162036BL	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
BF138567.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	148.005		32-145		99	SPK: -150
1718-51-0	Terphenyl-d14	82.697		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	146760	6.863				
1146-65-2	Naphthalene-d8	571399	8.145				
15067-26-2	Acenaphthene-d10	332350	9.904				
1517-22-2	Phenanthrene-d10	669450	11.386				
1719-03-5	Chrysene-d12	456720	14.021				
1520-96-3	Perylene-d12	281071	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.8	J			2.257	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.7	A			5.122	
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	4.1	J			12.786	
000646-13-9	Octadecanoic acid, 2-methylpropyl	2.8	J			13.492	

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BS	SDG No.:	BF071524
Lab Sample ID:	PB162036BS	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
BF138568.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39.3		1	8	10	ug/L
110-86-1	Pyridine	28.8		1.6	4	5	ug/L
100-52-7	Benzaldehyde	13.2		4	8	10	ug/L
62-53-3	Aniline	26.4		1.6	4	5	ug/L
108-95-2	Phenol	41.7		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.1		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	45.4		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	40		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	40.4		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.9		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47.1		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.5		1.4	4	5	ug/L
98-86-2	Acetophenone	42.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	45.6		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.2		1	4	5	ug/L
98-95-3	Nitrobenzene	41.3		1.3	4	5	ug/L
78-59-1	Isophorone	43.7		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	43.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	44		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	40.5		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	39.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	39.4		5.5	8	10	ug/L
91-20-3	Naphthalene	40.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	24.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	40.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BS	SDG No.:	BF071524
Lab Sample ID:	PB162036BS	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
BF138568.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	38		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	39.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	44.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45		1	4	5	ug/L
92-52-4	1,1-Biphenyl	50.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	51.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.7		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.7		0.93	4	5	ug/L
208-96-8	Acenaphthylene	42.8		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	41.3		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.3		1.4	4	5	ug/L
83-32-9	Acenaphthene	39.8		0.81	4	5	ug/L
Total PAH	Total PAH	668.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	85.3	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	79.6		2	8	10	ug/L
132-64-9	Dibenzofuran	40.6		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	83.1		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	41.8		1.5	4	5	ug/L
84-66-2	Diethylphthalate	43.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.6		0.98	4	5	ug/L
86-73-7	Fluorene	40.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	39.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42		0.89	4	5	ug/L
103-33-3	Azobenzene	42.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.6		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	41.9		1.1	4	5	ug/L
1912-24-9	Atrazine	36.9		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BS	SDG No.:	BF071524
Lab Sample ID:	PB162036BS	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
BF138568.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	79.2		1.9	8	10	ug/L
85-01-8	Phenanthrene	41.3		0.89	4	5	ug/L
120-12-7	Anthracene	41.9		1.1	4	5	ug/L
86-74-8	Carbazole	40.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.7		1.5	4	5	ug/L
206-44-0	Fluoranthene	48		1.3	4	5	ug/L
92-87-5	Benzidine	10.2		4.1	8	10	ug/L
129-00-0	Pyrene	39.6		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	40.4		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	42.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	43.1		0.94	4	5	ug/L
218-01-9	Chrysene	43.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	57.6		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	41.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	37.3		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	44		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.4		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.1		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	28.1		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	40.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	117.695		10-139		78	SPK: -150
13127-88-3	Phenol-d6	117.055		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	82.833		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	83.075		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162036BS	SDG No.:	BF071524
Lab Sample ID:	PB162036BS	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
BF138568.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	120.449		32-145		80	SPK: -150
1718-51-0	Terphenyl-d14	82.661		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	174817	6.869				
1146-65-2	Naphthalene-d8	760051	8.151				
15067-26-2	Acenaphthene-d10	384124	9.91				
1517-22-2	Phenanthrene-d10	682436	11.392				
1719-03-5	Chrysene-d12	417545	14.033				
1520-96-3	Perylene-d12	385221	15.498				

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162012TB	SDG No.:	BF071524
Lab Sample ID:	PB162012TB	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
BF138569.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

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

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162012TB	SDG No.:	BF071524
Lab Sample ID:	PB162012TB	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
BF138569.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

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

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162012TB	SDG No.:	BF071524
Lab Sample ID:	PB162012TB	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
BF138569.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	121.839		10-139		81	SPK: -150
13127-88-3	Phenol-d6	116.137		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	78.831		49-133		79	SPK: -100
321-60-8	2-Fluorobiphenyl	84.308		52-132		84	SPK: -100

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162012TB	SDG No.:	BF071524
Lab Sample ID:	PB162012TB	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
BF138569.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	103.256		32-145		69	SPK: -150
1718-51-0	Terphenyl-d14	127.09		36-145		127	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	124599	6.863				
1146-65-2	Naphthalene-d8	502869	8.145				
15067-26-2	Acenaphthene-d10	321659	9.898				
1517-22-2	Phenanthrene-d10	450624	11.386				
1719-03-5	Chrysene-d12	247407	14.022				
1520-96-3	Perylene-d12	263328	15.492				

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BF071524
Lab Sample ID:	P3115-17	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
BF138570.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

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

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BF071524
Lab Sample ID:	P3115-17	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
BF138570.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

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

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BF071524
Lab Sample ID:	P3115-17	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
BF138570.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	94.978		10-139		63	SPK: -150
13127-88-3	Phenol-d6	89.755		10-134		60	SPK: -150
4165-60-0	Nitrobenzene-d5	72.303		49-133		72	SPK: -100
321-60-8	2-Fluorobiphenyl	73.779		52-132		74	SPK: -100

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071	SDG No.:	BF071524
Lab Sample ID:	P3115-17	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
BF138570.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.971		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	103.269		36-145		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82272	6.863				
1146-65-2	Naphthalene-d8	328574	8.145				
15067-26-2	Acenaphthene-d10	186503	9.898				
1517-22-2	Phenanthrene-d10	327479	11.386				
1719-03-5	Chrysene-d12	167879	14.022				
1520-96-3	Perylene-d12	143652	15.492				

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MS	SDG No.:	BF071524
Lab Sample ID:	P3115-17MS	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
BF138571.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	500		10.3	80	100	ug/L
110-86-1	Pyridine	360		15.5	40	50	ug/L
100-52-7	Benzaldehyde	48.5	J	40	80	100	ug/L
62-53-3	Aniline	260		16	40	50	ug/L
108-95-2	Phenol	460		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	530		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	520		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	480		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	470		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	470		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	530		16	80	100	ug/L
95-48-7	2-Methylphenol	510		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	490		13.5	40	50	ug/L
98-86-2	Acetophenone	460		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	510		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	520		14.8	25	25	ug/L
67-72-1	Hexachloroethane	470		10.1	40	50	ug/L
98-95-3	Nitrobenzene	480		12.7	40	50	ug/L
78-59-1	Isophorone	520		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	530		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	580		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	510		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	530		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		11	40	50	ug/L
65-85-0	Benzoic acid	490		54.7	80	100	ug/L
91-20-3	Naphthalene	490		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	120		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	440		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MS	SDG No.:	BF071524
Lab Sample ID:	P3115-17MS	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
BF138571.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	450		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	530		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	510		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1400	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	530		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	520		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	470		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	500		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	540		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	540		9.3	40	50	ug/L
208-96-8	Acenaphthylene	550		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	230		13.7	40	50	ug/L
83-32-9	Acenaphthene	500		8.1	40	50	ug/L
Total PAH	Total PAH	8080		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	870	E	20	80	100	ug/L
132-64-9	Dibenzofuran	520		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	5050		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	530		15.2	40	50	ug/L
84-66-2	Diethylphthalate	550		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	510		9.8	40	50	ug/L
86-73-7	Fluorene	510		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	410		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	630		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	540		8.9	40	50	ug/L
103-33-3	Azobenzene	520		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	550		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	530		11.4	40	50	ug/L
1912-24-9	Atrazine	360		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MS	SDG No.:	BF071524
Lab Sample ID:	P3115-17MS	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
BF138571.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	530		8.9	40	50	ug/L
120-12-7	Anthracene	550		10.7	40	50	ug/L
86-74-8	Carbazole	460		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	540		14.7	40	50	ug/L
206-44-0	Fluoranthene	460		12.9	40	50	ug/L
92-87-5	Benzidine	96.7	J	40.7	80	100	ug/L
129-00-0	Pyrene	470		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	580		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	150		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	540		9.4	40	50	ug/L
218-01-9	Chrysene	550		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	680		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	740		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	560		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	540		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	570		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	440		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	450		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	370		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	420		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	550		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	480		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.606		10-139		84	SPK: -150
13127-88-3	Phenol-d6	121.019		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	90.762		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	90.641		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MS	SDG No.:	BF071524
Lab Sample ID:	P3115-17MS	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
BF138571.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.007		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	100.819		36-145		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98000	6.869				
1146-65-2	Naphthalene-d8	401746	8.151				
15067-26-2	Acenaphthene-d10	226745	9.904				
1517-22-2	Phenanthrene-d10	376571	11.392				
1719-03-5	Chrysene-d12	184299	14.027				
1520-96-3	Perylene-d12	195824	15.492				

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MSD	SDG No.:	BF071524
Lab Sample ID:	P3115-17MSD	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
BF138572.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	530		10.3	80	100	ug/L
110-86-1	Pyridine	410		15.5	40	50	ug/L
100-52-7	Benzaldehyde	50.4	J	40	80	100	ug/L
62-53-3	Aniline	290		16	40	50	ug/L
108-95-2	Phenol	500		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	560		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	570		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	510		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	500		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	500		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	580		16	80	100	ug/L
95-48-7	2-Methylphenol	550		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	520		13.5	40	50	ug/L
98-86-2	Acetophenone	500		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	550		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	560		14.8	25	25	ug/L
67-72-1	Hexachloroethane	500		10.1	40	50	ug/L
98-95-3	Nitrobenzene	520		12.7	40	50	ug/L
78-59-1	Isophorone	570		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	580		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	630		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	550		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	570		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	510		11	40	50	ug/L
65-85-0	Benzoic acid	540		54.7	80	100	ug/L
91-20-3	Naphthalene	530		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	140		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	480		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MSD	SDG No.:	BF071524
Lab Sample ID:	P3115-17MSD	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
BF138572.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	480		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	580		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	550		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1400	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	560		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	500		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	530		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	580		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	590		9.3	40	50	ug/L
208-96-8	Acenaphthylene	600		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	560		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	260		13.7	40	50	ug/L
83-32-9	Acenaphthene	550		8.1	40	50	ug/L
Total PAH	Total PAH	8990		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	920	E	20	80	100	ug/L
132-64-9	Dibenzofuran	560		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	130		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	570		15.2	40	50	ug/L
84-66-2	Diethylphthalate	590		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	550		9.8	40	50	ug/L
86-73-7	Fluorene	550		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	440		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	670		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	590		8.9	40	50	ug/L
103-33-3	Azobenzene	570		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	590		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	590		11.4	40	50	ug/L
1912-24-9	Atrazine	400		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MSD	SDG No.:	BF071524
Lab Sample ID:	P3115-17MSD	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
BF138572.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	570		8.9	40	50	ug/L
120-12-7	Anthracene	580		10.7	40	50	ug/L
86-74-8	Carbazole	510		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	580		14.7	40	50	ug/L
206-44-0	Fluoranthene	500		12.9	40	50	ug/L
92-87-5	Benzidine	47.4	J	40.7	80	100	ug/L
129-00-0	Pyrene	500		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	610		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	190		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	570		9.4	40	50	ug/L
218-01-9	Chrysene	580		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	710		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	780		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	600		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	590		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	610		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	580		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	590		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	490		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	500		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	440		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	610		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	520		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	136.799		10-139		91	SPK: -150
13127-88-3	Phenol-d6	130.985		10-134		87	SPK: -150
4165-60-0	Nitrobenzene-d5	98.79		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	98.045		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	20071MSD	SDG No.:	BF071524
Lab Sample ID:	P3115-17MSD	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
BF138572.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162036

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	151.506		32-145		101	SPK: -150
1718-51-0	Terphenyl-d14	106.649		36-145		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89714	6.869				
1146-65-2	Naphthalene-d8	364454	8.151				
15067-26-2	Acenaphthene-d10	209646	9.904				
1517-22-2	Phenanthrene-d10	350653	11.392				
1719-03-5	Chrysene-d12	174506	14.027				
1520-96-3	Perylene-d12	188279	15.492				

Report of Analysis

Client:				Date Collected:	7/11/2024 12:00:00 AM		
Project:				Date Received:	7/11/2024 12:00:00 AM		
Client Sample ID:	PILE-CAP			SDG No.:	BF071524		
Lab Sample ID:	P3223-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	19.6		
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138573.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

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	99.2	U	99.2	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	99.1	U	99.1	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50	U	50	99.3	99.3	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	93.7	U	93.7	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	340	410	ug/Kg
91-20-3	Naphthalene	170	J	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PILE-CAP	SDG No.:	BF071524
Lab Sample ID:	P3223-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.6
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
BF138573.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.2	U	96.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	120	J	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.7	U	88.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.9	U	91.9	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	200	J	100	160	210	ug/Kg
Total PAH	Total PAH	6140		1635.2	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	150	J	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	99.5	U	99.5	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	230		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	98.8	U	98.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98	U	98	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

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PILE-CAP	SDG No.:	BF071524
Lab Sample ID:	P3223-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138573.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	96	U	96	340	410	ug/Kg
85-01-8	Phenanthrene	690		100	160	210	ug/Kg
120-12-7	Anthracene	200	J	100	160	210	ug/Kg
86-74-8	Carbazole	150	J	99.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	990		100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	340	410	ug/Kg
129-00-0	Pyrene	780		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	560		100	160	210	ug/Kg
218-01-9	Chrysene	520		98.7	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	720		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	220		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	520		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	97	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	180	J	99.5	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	92.8	U	92.8	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.531		18-112		54	SPK: -150
13127-88-3	Phenol-d6	83.036		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	54.773		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	54.297		20-109		54	SPK: -100

Report of Analysis

Client:				Date Collected:	7/11/2024 12:00:00 AM		
Project:				Date Received:	7/11/2024 12:00:00 AM		
Client Sample ID:	PILE-CAP			SDG No.:	BF071524		
Lab Sample ID:	P3223-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	19.6		
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
BF138573.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.744		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	48.435		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89211	6.863				
1146-65-2	Naphthalene-d8	360264	8.145				
15067-26-2	Acenaphthene-d10	197042	9.898				
1517-22-2	Phenanthrene-d10	304584	11.386				
1719-03-5	Chrysene-d12	164574	14.021				
1520-96-3	Perylene-d12	171931	15.492				



Client:			Date Collected:	7/11/2024 12:00:00 AM	
Project:			Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PAT-DIS-01-07112024		SDG No.:	BF071524	
Lab Sample ID:	P3228-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	4.8	
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
BF138574.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	420	ug/Kg
110-86-1	Pyridine	100	U	100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	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	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	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	420	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	100	U	100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.7	U	50.7	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	95	U	95	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	420	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PAT-DIS-01-07112024	SDG No.:	BF071524
Lab Sample ID:	P3228-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
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
BF138574.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.6	U	97.6	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.9	U	89.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.1	U	93.1	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	1658.3	U	1658.3	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	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	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	100	U	100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.3	U	99.3	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg



Client:			Date Collected:	7/11/2024 12:00:00 AM	
Project:			Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PAT-DIS-01-07112024		SDG No.:	BF071524	
Lab Sample ID:	P3228-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	4.8	
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
BF138574.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.3	U	97.3	340	420	ug/Kg
85-01-8	Phenanthrene	130	J	110	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	220		100	160	210	ug/Kg
92-87-5	Benzidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	180	J	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	420	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	100	160	210	ug/Kg
218-01-9	Chrysene	120	J	100	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	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	J	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.3	U	98.3	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	94	U	94	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.606		18-112		70	SPK: -150
13127-88-3	Phenol-d6	102.198		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	74.366		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	86.02		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PAT-DIS-01-07112024	SDG No.:	BF071524
Lab Sample ID:	P3228-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
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
BF138574.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	91.64		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	78.982		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93624	6.863				
1146-65-2	Naphthalene-d8	339896	8.145				
15067-26-2	Acenaphthene-d10	150968	9.898				
1517-22-2	Phenanthrene-d10	227792	11.386				
1719-03-5	Chrysene-d12	146633	14.021				
1520-96-3	Perylene-d12	120086	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			2.134	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			5.075	
000057-10-3	n-Hexadecanoic acid	120	J			11.91	



Client:				Date Collected:	7/11/2024 12:00:00 AM	
Project:				Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PAT-DIS-01-07112024MS			SDG No.:	BF071524	
Lab Sample ID:	P3228-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	4.8	
Sample Wt/Vol:	50.04	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138575.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		110	340	420	ug/Kg
110-86-1	Pyridine	870		100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	ug/Kg
62-53-3	Aniline	530		120	160	210	ug/Kg
108-95-2	Phenol	1000		100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		110	160	210	ug/Kg
95-57-8	2-Chlorophenol	1100		110	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	1000		100	340	420	ug/Kg
95-48-7	2-Methylphenol	1000		100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		110	160	210	ug/Kg
98-86-2	Acetophenone	1100		110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	1000		100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		50.8	100	100	ug/Kg
67-72-1	Hexachloroethane	950		100	160	210	ug/Kg
98-95-3	Nitrobenzene	1100		110	160	210	ug/Kg
78-59-1	Isophorone	1100		110	160	210	ug/Kg
88-75-5	2-Nitrophenol	1100		120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		95.1	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		110	160	210	ug/Kg
65-85-0	Benzoic acid	600		300	340	420	ug/Kg
91-20-3	Naphthalene	1000		100	160	210	ug/Kg
106-47-8	4-Chloroaniline	480		100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	1000		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PAT-DIS-01-07112024MS	SDG No.:	BF071524
Lab Sample ID:	P3228-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138575.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	830		110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	870		97.6	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	960		100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	J	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		89.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		93.2	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1100		110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	1100		100	160	210	ug/Kg
88-74-4	2-Nitroaniline	1100		120	160	210	ug/Kg
131-11-3	Dimethylphthalate	1200		100	160	210	ug/Kg
208-96-8	Acenaphthylene	1100		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		100	160	210	ug/Kg
99-09-2	3-Nitroaniline	860		110	160	210	ug/Kg
83-32-9	Acenaphthene	1000		100	160	210	ug/Kg
Total PAH	Total PAH	17420		1658.4	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	320	J	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	1700		150	340	420	ug/Kg
132-64-9	Dibenzofuran	1100		110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	950		110	160	210	ug/Kg
84-66-2	Diethylphthalate	1100		100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		110	160	210	ug/Kg
86-73-7	Fluorene	1000		110	160	210	ug/Kg
100-01-6	4-Nitroaniline	910		130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	J	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		100	160	210	ug/Kg
103-33-3	Azobenzene	980		100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		99.4	160	210	ug/Kg
118-74-1	Hexachlorobenzene	980		110	160	210	ug/Kg
1912-24-9	Atrazine	1100		120	160	210	ug/Kg



Client:			Date Collected:	7/11/2024 12:00:00 AM	
Project:			Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PAT-DIS-01-07112024MS		SDG No.:	BF071524	
Lab Sample ID:	P3228-01MS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	4.8	
Sample Wt/Vol:	50.04	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138575.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1500		97.4	340	420	ug/Kg
85-01-8	Phenanthrene	1200		110	160	210	ug/Kg
120-12-7	Anthracene	1100		110	160	210	ug/Kg
86-74-8	Carbazole	1100		100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	1200		110	160	210	ug/Kg
206-44-0	Fluoranthene	1300		100	160	210	ug/Kg
92-87-5	Benzidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	1100		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	1400		120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	880		120	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	1200		100	160	210	ug/Kg
218-01-9	Chrysene	1200		100	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		140	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1200		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		98.4	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	940		100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	810		100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		110	160	210	ug/Kg
123-91-1	1,4-Dioxane	880		140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	920		94.1	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	900		100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.57		18-112		65	SPK: -150
13127-88-3	Phenol-d6	93.468		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	69.87		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	78.224		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PAT-DIS-01-07112024MS	SDG No.:	BF071524
Lab Sample ID:	P3228-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138575.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.988		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	80.746		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91984	6.869				
1146-65-2	Naphthalene-d8	322560	8.151				
15067-26-2	Acenaphthene-d10	141607	9.904				
1517-22-2	Phenanthrene-d10	227970	11.386				
1719-03-5	Chrysene-d12	129940	14.027				
1520-96-3	Perylene-d12	109438	15.498				



Client:				Date Collected:	7/11/2024 12:00:00 AM	
Project:				Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PAT-DIS-01-07112024MSD			SDG No.:	BF071524	
Lab Sample ID:	P3228-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	4.8	
Sample Wt/Vol:	50.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138576.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		110	340	420	ug/Kg
110-86-1	Pyridine	880		100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	ug/Kg
62-53-3	Aniline	550		120	160	210	ug/Kg
108-95-2	Phenol	1000		100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		110	160	210	ug/Kg
95-57-8	2-Chlorophenol	1000		110	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	990		110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	1000		100	340	420	ug/Kg
95-48-7	2-Methylphenol	980		100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		110	160	210	ug/Kg
98-86-2	Acetophenone	1100		110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	990		100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		50.8	100	100	ug/Kg
67-72-1	Hexachloroethane	850		100	160	210	ug/Kg
98-95-3	Nitrobenzene	1000		110	160	210	ug/Kg
78-59-1	Isophorone	1100		110	160	210	ug/Kg
88-75-5	2-Nitrophenol	1000		120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	980		95.1	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		110	160	210	ug/Kg
65-85-0	Benzoic acid	560		300	340	420	ug/Kg
91-20-3	Naphthalene	1000		100	160	210	ug/Kg
106-47-8	4-Chloroaniline	520		100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	1000		100	160	210	ug/Kg



Client:				Date Collected:	7/11/2024 12:00:00 AM	
Project:				Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PAT-DIS-01-07112024MSD			SDG No.:	BF071524	
Lab Sample ID:	P3228-01MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	4.8	
Sample Wt/Vol:	50.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138576.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	820		110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	870		97.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	920		100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		90	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		93.2	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1000		110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	1100		100	160	210	ug/Kg
88-74-4	2-Nitroaniline	1100		120	160	210	ug/Kg
131-11-3	Dimethylphthalate	1100		100	160	210	ug/Kg
208-96-8	Acenaphthylene	1100		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		100	160	210	ug/Kg
99-09-2	3-Nitroaniline	930		110	160	210	ug/Kg
83-32-9	Acenaphthene	1000		100	160	210	ug/Kg
Total PAH	Total PAH	16850		1658.4	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	1700		150	340	420	ug/Kg
132-64-9	Dibenzofuran	1000		110	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	920		110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	880		210	160	420	ug/Kg
84-66-2	Diethylphthalate	1100		100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		110	160	210	ug/Kg
86-73-7	Fluorene	1000		110	160	210	ug/Kg
100-01-6	4-Nitroaniline	960		130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		100	160	210	ug/Kg
103-33-3	Azobenzene	990		100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		99.4	160	210	ug/Kg
118-74-1	Hexachlorobenzene	940		110	160	210	ug/Kg
1912-24-9	Atrazine	1000		120	160	210	ug/Kg



Client:			Date Collected:	7/11/2024 12:00:00 AM	
Project:			Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PAT-DIS-01-07112024MSD		SDG No.:	BF071524	
Lab Sample ID:	P3228-01MSD		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	4.8	
Sample Wt/Vol:	50.02	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138576.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1500		97.4	340	420	ug/Kg
85-01-8	Phenanthrene	1200		110	160	210	ug/Kg
120-12-7	Anthracene	1100		110	160	210	ug/Kg
86-74-8	Carbazole	1100		100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	1100		110	160	210	ug/Kg
206-44-0	Fluoranthene	1200		100	160	210	ug/Kg
92-87-5	Benzidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	1100		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	1300		120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	920		120	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	1100		100	160	210	ug/Kg
218-01-9	Chrysene	1100		100	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		140	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1100		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920		98.4	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	740		100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		110	160	210	ug/Kg
123-91-1	1,4-Dioxane	870		140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	910		94.1	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	870		100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.078		18-112		64	SPK: -150
13127-88-3	Phenol-d6	90.302		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	66.91		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	75.336		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PAT-DIS-01-07112024MSD	SDG No.:	BF071524
Lab Sample ID:	P3228-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138576.D	2	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	87.62		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	76.142		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81433	6.869				
1146-65-2	Naphthalene-d8	284497	8.151				
15067-26-2	Acenaphthene-d10	126263	9.904				
1517-22-2	Phenanthrene-d10	212057	11.386				
1719-03-5	Chrysene-d12	119349	14.027				
1520-96-3	Perylene-d12	104783	15.498				



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

Hit Summary Sheet SW-846

SDG No.: BF071524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PILE-CAP								
P3223-01	PILE-CAP	Solid	2-Methylnaphthalene	120.000	J	100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Acenaphthene	200.000	J	100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Anthracene	200.000	J	100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Benzo(a)anthracene	560.000		100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Benzo(a)pyrene	520.000		120	210	ug/Kg
P3223-01	PILE-CAP	Solid	Benzo(b)fluoranthene	720.000		100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Benzo(g,h,i)perylene	180.000	J	99.5	210	ug/Kg
P3223-01	PILE-CAP	Solid	Benzo(k)fluoranthene	220.000		100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Carbazole	150.000	J	99.7	210	ug/Kg
P3223-01	PILE-CAP	Solid	Chrysene	520.000		98.7	210	ug/Kg
P3223-01	PILE-CAP	Solid	Dibenzofuran	150.000	J	100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Fluoranthene	990.000		100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Fluorene	230.000		110	210	ug/Kg
P3223-01	PILE-CAP	Solid	Indeno(1,2,3-cd)pyrene	160.000	J	97	210	ug/Kg
P3223-01	PILE-CAP	Solid	Naphthalene	170.000	J	100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Phenanthrene	690.000		100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Pyrene	780.000		100	210	ug/Kg
P3223-01	PILE-CAP	Solid	Total PAH	6,140.000		1635.2	3360	ug/Kg
Total Svoc :				12,700.00				
Total Concentration:				12,700.00				
Client ID : PAT-DIS-01-07112024								
P3228-01	PAT-DIS-01-07112024	Solid	2-Pentanone, 4-hydroxy-4-methyl *	120.000	A			
P3228-01	PAT-DIS-01-07112024	Solid	Butane, 2-methoxy-2-methyl- *	1,400.000	J			
P3228-01	PAT-DIS-01-07112024	Solid	n-Hexadecanoic acid *	120.000	J			
Total Tics :				1,640.00				
P3228-01	PAT-DIS-01-07112024	Solid	Benzo(a)anthracene	120.000	J	100	210	ug/Kg
P3228-01	PAT-DIS-01-07112024	Solid	Benzo(a)pyrene	130.000	J	120	210	ug/Kg
P3228-01	PAT-DIS-01-07112024	Solid	Benzo(b)fluoranthene	170.000	J	100	210	ug/Kg
P3228-01	PAT-DIS-01-07112024	Solid	Chrysene	120.000	J	100	210	ug/Kg
P3228-01	PAT-DIS-01-07112024	Solid	Fluoranthene	220.000		100	210	ug/Kg
P3228-01	PAT-DIS-01-07112024	Solid	Phenanthrene	130.000	J	110	210	ug/Kg
P3228-01	PAT-DIS-01-07112024	Solid	Pyrene	180.000	J	100	210	ug/Kg
Total Svoc :				1,070.00				
Total Concentration:				2,710.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D			RRF005 = BF138483.D		RRF010 = BF138484.D	
		RRF020 = BF138485.D			RRF040 = BF138486.D		RRF050 = BF138487.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.886	0.873	0.934	0.921	0.878	0.898	2.6
Pyridine		1.375	1.370	1.480	1.389	1.347	1.379	3.5
2-Fluorophenol		1.362	1.335	1.352	1.265	1.191	1.263	7.1
Benzaldehyde		0.919	0.990	1.043	0.879	0.805	0.899	12.0
Aniline		1.678	1.615	1.712	1.595	1.476	1.573	6.6
Phenol-d6		1.825	1.753	1.808	1.671	1.588	1.680	7.0
Phenol		1.947	1.887	1.901	1.770	1.673	1.783	7.2
bis(2-Chloroethyl)ether		1.415	1.360	1.406	1.350	1.297	1.343	4.4
2-Chlorophenol		1.440	1.367	1.456	1.337	1.285	1.335	7.1
1,2-Dichlorobenzene		1.565	1.518	1.521	1.419	1.334	1.420	8.4
1,3-Dichlorobenzene		1.613	1.577	1.610	1.500	1.428	1.501	6.8
1,4-Dichlorobenzene		1.663	1.580	1.631	1.536	1.446	1.524	7.1
Benzyl Alcohol		1.313	1.289	1.365	1.272	1.219	1.261	5.6
2-Methylphenol		1.157	1.118	1.171	1.099	1.046	1.094	5.4
2,2-oxybis(1-Chloropropane)		2.833	2.775	2.810	2.665	2.526	2.640	6.8
Acetophenone		0.548	0.523	0.509	0.469	0.452	0.486	8.5
3+4-Methylphenols		1.555	1.486	1.488	1.362	1.277	1.378	9.7
n-Nitroso-di-n-propylamine	1.131	1.137	1.068	1.089	1.022	0.962	1.038	7.8
Nitrobenzene-d5		0.432	0.416	0.425	0.406	0.393	0.407	4.6
Hexachloroethane		0.573	0.571	0.600	0.566	0.545	0.560	4.4
Nitrobenzene		0.433	0.421	0.432	0.415	0.403	0.414	3.8
Isophorone		0.742	0.720	0.733	0.686	0.666	0.700	4.6
2-Nitrophenol		0.170	0.168	0.187	0.180	0.178	0.177	4.0
2,4-Dimethylphenol		0.229	0.223	0.226	0.217	0.208	0.218	4.0
bis(2-Chloroethoxy)methane		0.458	0.425	0.438	0.413	0.398	0.418	5.8
2,4-Dichlorophenol		0.292	0.288	0.302	0.283	0.275	0.283	4.3
1,2,4-Trichlorobenzene		0.361	0.343	0.347	0.326	0.314	0.330	6.5
Benzoic acid		0.169	0.186	0.201	0.219	0.225	0.208	11.3
Naphthalene		1.162	1.093	1.101	1.022	0.974	1.040	7.7
4-Chloroaniline		0.388	0.369	0.382	0.356	0.352	0.365	4.3
Hexachlorobutadiene		0.221	0.210	0.214	0.200	0.195	0.203	6.0
Caprolactam		0.093	0.093	0.095	0.091	0.088	0.091	2.8
4-Chloro-3-methylphenol		0.340	0.327	0.334	0.312	0.303	0.317	5.3
2-Methylnaphthalene		0.757	0.709	0.710	0.646	0.626	0.669	8.4
Hexachlorocyclopentadiene			0.142	0.174	0.189	0.189	0.181	11.4
2,4,6-Trichlorophenol		0.376	0.358	0.365	0.353	0.347	0.356	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D		RRF005 = BF138483.D		RRF010 = BF138484.D		
		RRF020 = BF138485.D		RRF040 = BF138486.D		RRF050 = BF138487.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.504	1.403	1.347	1.224	1.184	1.280	11.0
2,4,5-Trichlorophenol		0.409	0.391	0.409	0.395	0.382	0.391	3.7
1,1-Biphenyl		1.691	1.598	1.602	1.476	1.433	1.516	7.6
2-Chloronaphthalene		1.264	1.200	1.178	1.127	1.092	1.145	6.3
2-Nitroaniline		0.403	0.393	0.406	0.403	0.391	0.397	1.9
Dimethylphthalate		1.391	1.360	1.336	1.275	1.238	1.293	5.3
Acenaphthylene		1.803	1.733	1.686	1.593	1.550	1.626	7.3
2,6-Dinitrotoluene		0.306	0.300	0.309	0.302	0.288	0.298	3.1
3-Nitroaniline		0.316	0.309	0.311	0.308	0.300	0.305	2.8
Acenaphthene		1.215	1.146	1.121	1.048	1.026	1.081	7.6
2,4-Dinitrophenol			0.105	0.126	0.147	0.152	0.141	15.4
4-Nitrophenol		0.215	0.221	0.228	0.231	0.228	0.225	2.9
Dibenzofuran		1.781	1.676	1.639	1.527	1.495	1.567	8.7
2,4-Dinitrotoluene		0.385	0.385	0.410	0.388	0.382	0.385	3.6
Diethylphthalate		1.360	1.321	1.301	1.227	1.189	1.247	6.5
4-Chlorophenyl-phenylether		0.721	0.673	0.662	0.600	0.578	0.623	10.1
Fluorene		1.424	1.325	1.319	1.200	1.165	1.240	9.4
4-Nitroaniline		0.309	0.310	0.314	0.305	0.305	0.306	2.5
4,6-Dinitro-2-methylphenol		0.090	0.099	0.118	0.122	0.124	0.115	13.0
n-Nitrosodiphenylamine		0.642	0.629	0.629	0.593	0.577	0.599	5.7
Azobenzene		1.478	1.407	1.410	1.312	1.281	1.340	6.9
2,4,6-Tribromophenol		0.202	0.199	0.194	0.185	0.178	0.187	6.2
4-Bromophenyl-phenylether		0.220	0.213	0.218	0.203	0.197	0.206	5.7
Hexachlorobenzene		0.251	0.239	0.239	0.223	0.218	0.228	6.4
Atrazine		0.219	0.207	0.212	0.197	0.191	0.199	7.4
Pentachlorophenol		0.116	0.124	0.142	0.138	0.143	0.135	8.1
Phenanthrene		1.136	1.090	1.058	0.985	0.954	1.010	8.4
Anthracene		1.103	1.072	1.071	0.980	0.952	1.003	7.8
Carbazole		0.995	0.983	0.968	0.880	0.854	0.901	9.0
Di-n-butylphthalate		1.138	1.092	1.109	1.020	1.000	1.039	7.3
Fluoranthene		1.203	1.149	1.114	0.996	0.961	1.031	12.3
Benzidine		0.452	0.523	0.625	0.510	0.498	0.505	14.0
Pyrene		1.980	1.956	2.061	2.100	2.024	2.030	2.9
Terphenyl-d14		1.251	1.204	1.281	1.252	1.199	1.228	3.0
Butylbenzylphthalate		0.588	0.567	0.626	0.634	0.613	0.611	4.3
3,3-Dichlorobenzidine		0.378	0.346	0.362	0.347	0.328	0.346	5.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D			RRF005 = BF138483.D		RRF010 = BF138484.D	
		RRF020 = BF138485.D			RRF040 = BF138486.D		RRF050 = BF138487.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.457	1.364	1.404	1.337	1.266	1.342	5.4
Chrysene		1.386	1.301	1.324	1.254	1.196	1.270	5.6
Bis(2-ethylhexyl)phthalate		0.576	0.574	0.644	0.684	0.674	0.651	8.6
Di-n-octyl phthalate			0.824	0.919	1.036	1.051	1.029	13.8
Benzo(b)fluoranthene		1.306	1.224	1.197	1.073	1.032	1.126	10.2
Benzo(k)fluoranthene		1.269	1.215	1.193	1.056	0.993	1.099	11.3
Benzo(a)pyrene		1.068	1.003	1.034	0.976	0.951	0.989	4.8
Indeno(1,2,3-cd)pyrene		1.091	1.212	1.442	1.471	1.401	1.343	10.3
Dibenzo(a,h)anthracene		0.906	0.999	1.180	1.213	1.143	1.099	9.9
Benzo(g,h,i)perylene		0.946	1.049	1.262	1.270	1.210	1.165	10.4
1,2,4,5-Tetrachlorobenzene		0.603	0.584	0.580	0.550	0.531	0.557	5.7
1,4-Dioxane		0.566	0.563	0.582	0.571	0.549	0.559	2.9
2,3,4,6-Tetrachlorophenol		0.303	0.311	0.329	0.311	0.305	0.309	3.4
1-Methylnaphthalene		0.736	0.692	0.688	0.644	0.613	0.653	8.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071524 SAS No.: BF071524 SDG NO.: BF071524

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 12:52

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	96160	6.869	383936	8.15	215266	9.90
UPPER LIMIT	192320	7.369	767872	8.651	430532	10.404
LOWER LIMIT	48080	6.369	191968	7.651	107633	9.404
EPA SAMPLE NO.						
01 PB162035BL	154777	6.87	575620	8.15	324179	9.90
02 PB162035BS	152430	6.87	635277	8.15	358658	9.91
03 PB162036BL	146760	6.86	571399	8.15	332350	9.90
04 PB162036BS	174817	6.87	760051	8.15	384124	9.91
05 PB162012TB	124599	6.86	502869	8.15	321659	9.90
06 20071	82272	6.86	328574	8.15	186503	9.90
07 20071MS	98000	6.87	401746	8.15	226745	9.90
08 20071MSD	89714	6.87	364454	8.15	209646	9.90
09 PILE-CAP	89211	6.86	360264	8.15	197042	9.90
10 PAT-DIS-01-07112024	93624	6.86	339896	8.15	150968	9.90
11 PAT-DIS-01-07112024MS	91984	6.87	322560	8.15	141607	9.90
12 PAT-DIS-01-07112024MSD	81433	6.87	284497	8.15	126263	9.90

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071524 SAS No.: BF071524 SDG NO.: BF071524

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BF138564.D Time Analyzed: 12:52

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	126849	6.869	471947	8.15	262281	9.90
UPPER LIMIT	253698	7.369	943894	8.651	524562	10.404
LOWER LIMIT	63424.5	6.369	235973.5	7.651	131140.5	9.404
EPA SAMPLE NO.						
01 PB162035BL	154777	6.87	575620	8.15	324179	9.90
02 PB162035BS	152430	6.87	635277	8.15	358658	9.91
03 PB162036BL	146760	6.86	571399	8.15	332350	9.90
04 PB162036BS	174817	6.87	760051	8.15	384124	9.91
05 PB162012TB	124599	6.86	502869	8.15	321659	9.90
06 20071	82272	6.86	328574	8.15	186503	9.90
07 20071MS	98000	6.87	401746	8.15	226745	9.90
08 20071MSD	89714	6.87	364454	8.15	209646	9.90
09 PILE-CAP	89211	6.86	360264	8.15	197042	9.90
10 PAT-DIS-01-07112024	93624	6.86	339896	8.15	150968	9.90
11 PAT-DIS-01-07112024MS	91984	6.87	322560	8.15	141607	9.90
12 PAT-DIS-01-07112024MSD	81433	6.87	284497	8.15	126263 *	9.90

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071524 SAS No.: BF071524 SDG NO.: BF071524

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 12:52

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	374771	11.386	178592	14.027	166880	15.486
UPPER LIMIT	749542	11.886	357184	14.527	333760	15.986
LOWER LIMIT	187385.5	10.886	89296	13.527	83440	14.986
EPA SAMPLE NO.						
01 PB162035BL	596474	11.39	370623 *	14.02	378509 *	15.49
02 PB162035BS	630399	11.39	327841	14.03	297425	15.50
03 PB162036BL	669450	11.39	456720 *	14.02	281071	15.49
04 PB162036BS	682436	11.39	417545 *	14.03	385221 *	15.50
05 PB162012TB	450624	11.39	247407	14.02	263328	15.49
06 20071	327479	11.39	167879	14.02	143652	15.49
07 20071MS	376571	11.39	184299	14.03	195824	15.49
08 20071MSD	350653	11.39	174506	14.03	188279	15.49
09 PILE-CAP	304584	11.39	164574	14.02	171931	15.49
10 PAT-DIS-01-07112024	227792	11.39	146633	14.02	120086	15.49
11 PAT-DIS-01-07112024MS	227970	11.39	129940	14.03	109438	15.50
12 PAT-DIS-01-07112024MSD	212057	11.39	119349	14.03	104783	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071524 SAS No.: BF071524 SDG NO.: BF071524

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BF138564.D Time Analyzed: 12:52

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	457739	11.392	234715	14.027	233968	15.498
UPPER LIMIT	915478	11.892	469430	14.527	467936	15.998
LOWER LIMIT	228869.5	10.892	117357.5	13.527	116984	14.998
EPA SAMPLE NO.						
01 PB162035BL	596474	11.39	370623	14.02	378509	15.49
02 PB162035BS	630399	11.39	327841	14.03	297425	15.50
03 PB162036BL	669450	11.39	456720	14.02	281071	15.49
04 PB162036BS	682436	11.39	417545	14.03	385221	15.50
05 PB162012TB	450624	11.39	247407	14.02	263328	15.49
06 20071	327479	11.39	167879	14.02	143652	15.49
07 20071MS	376571	11.39	184299	14.03	195824	15.49
08 20071MSD	350653	11.39	174506	14.03	188279	15.49
09 PILE-CAP	304584	11.39	164574	14.02	171931	15.49
10 PAT-DIS-01-07112024	227792 *	11.39	146633	14.02	120086	15.49
11 PAT-DIS-01-07112024MS	227970 *	11.39	129940	14.03	109438 *	15.50
12 PAT-DIS-01-07112024MSD	212057 *	11.39	119349	14.03	104783 *	15.50

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.: **BF071524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB162035BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	440	ug/Kg	26				10	147	
	Aniline	1700	890	ug/Kg	52				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	860	ug/Kg	51				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	980	ug/Kg	58				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	23000	ug/Kg	85				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF071524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162035BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	2800	ug/Kg	82				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1200	ug/Kg	71				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	330	ug/Kg	10				10	98	
	Pyrene	1700	1300	ug/Kg	76				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112		*		63	111	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	960	ug/Kg	56				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF071524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162036BS	n-Nitrosodimethylamine	50	39.3	ug/L	79				55	108	
	Pyridine	50	28.8	ug/L	58				29	97	
	Benzaldehyde	50	13.2	ug/L	26				15	121	
	Aniline	50	26.4	ug/L	53				10	130	
	Phenol	50	41.7	ug/L	83				66	118	
	bis(2-Chloroethyl)ether	50	44.1	ug/L	88				62	103	
	2-Chlorophenol	50	45.4	ug/L	91				70	117	
	1,2-Dichlorobenzene	50	45.4	ug/L	91				72	102	
	1,3-Dichlorobenzene	50	40	ug/L	80				71	103	
	1,4-Dichlorobenzene	50	40.4	ug/L	81				76	103	
	Benzyl Alcohol	50	46.9	ug/L	94		*		36	93	
	2-Methylphenol	50	47.1	ug/L	94				69	109	
	2,2-oxybis(1-Chloropropane)	50	46.5	ug/L	93				52	103	
	Acetophenone	50	42.6	ug/L	85				60	104	
	3+4-Methylphenols	50	45.6	ug/L	91				67	106	
	N-Nitroso-di-n-propylamine	50	48	ug/L	96				57	107	
	Hexachloroethane	50	45.2	ug/L	90				76	118	
	Nitrobenzene	50	41.3	ug/L	83				58	106	
	Isophorone	50	43.7	ug/L	87				61	102	
	2-Nitrophenol	50	43.1	ug/L	86				70	115	
	2,4-Dimethylphenol	50	44	ug/L	88				67	130	
	bis(2-Chloroethoxy)methane	50	40.6	ug/L	81				58	109	
	2,4-Dichlorophenol	50	40.5	ug/L	81				66	115	
	1,2,4-Trichlorobenzene	50	39.2	ug/L	78				41	115	
	Benzoic acid	50	39.4	ug/L	79				10	125	
	Naphthalene	50	40.8	ug/L	82				64	107	
	4-Chloroaniline	50	24.4	ug/L	49				10	85	
	Hexachlorobutadiene	50	40.7	ug/L	81				69	101	
	Caprolactam	50	38	ug/L	76				58	128	
	4-Chloro-3-methylphenol	50	39.5	ug/L	79				65	114	
	2-Methylnaphthalene	50	39.7	ug/L	79				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	44.1	ug/L	88				61	110	
	2,4,5-Trichlorophenol	50	45	ug/L	90				70	106	
	1,1-Biphenyl	50	50.8	ug/L	102		*		72	98	
	2-Chloronaphthalene	50	51.1	ug/L	102				59	106	
	2-Nitroaniline	50	48.7	ug/L	97				58	107	
	Dimethylphthalate	50	48.7	ug/L	97				64	103	
	Acenaphthylene	50	42.8	ug/L	86				65	108	
	2,6-Dinitrotoluene	50	41.3	ug/L	83				64	110	
	3-Nitroaniline	50	29.3	ug/L	59				28	100	
	Acenaphthene	50	39.8	ug/L	80				59	113	
	Total PAH	800	668.7	ug/L	84				59	113	
	2,4-Dinitrophenol	100	85.3	ug/L	85				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF071524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162036BS	4-Nitrophenol	100	79.6	ug/L	80				68	116	
	Dibenzofuran	50	40.6	ug/L	81				65	106	
	2,4-Dinitrotoluene	50	41.8	ug/L	84				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	83.1	ug/L	83				60	115	
	Diethylphthalate	50	43.6	ug/L	87				63	105	
	4-Chlorophenyl-phenylether	50	40.6	ug/L	81				61	104	
	Fluorene	50	40.6	ug/L	81				64	107	
	4-Nitroaniline	50	39.7	ug/L	79				69	112	
	4,6-Dinitro-2-methylphenol	50	48.1	ug/L	96				62	132	
	N-Nitrosodiphenylamine	50	42	ug/L	84				61	109	
	Azobenzene	50	42.8	ug/L	86				59	106	
	4-Bromophenyl-phenylether	50	42.6	ug/L	85				73	103	
	Hexachlorobenzene	50	41.9	ug/L	84				73	106	
	Atrazine	50	36.9	ug/L	74		*		76	120	
	Pentachlorophenol	100	79.2	ug/L	79				47	114	
	Phenanthrene	50	41.3	ug/L	83				62	109	
	Anthracene	50	41.9	ug/L	84				65	110	
	Carbazole	50	40.2	ug/L	80				62	106	
	Di-n-butylphthalate	50	44.7	ug/L	89				64	106	
	Fluoranthene	50	48	ug/L	96				64	110	
	Benzidine	100	10.2	ug/L	10				10	94	
	Pyrene	50	39.6	ug/L	79				71	103	
	Butylbenzylphthalate	50	40.4	ug/L	81				61	105	
	3,3-Dichlorobenzidine	50	42.1	ug/L	84				43	108	
	Benzo(a)anthracene	50	43.1	ug/L	86				62	107	
	Chrysene	50	43.1	ug/L	86				61	108	
	bis(2-Ethylhexyl)phthalate	50	57.6	ug/L	115		*		59	110	
	Di-n-octyl phthalate	50	48	ug/L	96				67	126	
	Benzo(b)fluoranthene	50	41.8	ug/L	84				77	113	
	Benzo(k)fluoranthene	50	37.3	ug/L	75				64	113	
	Benzo(a)pyrene	50	44	ug/L	88				72	131	
	Indeno(1,2,3-cd)pyrene	50	40	ug/L	80				72	105	
	Dibenz(a,h)anthracene	50	40.4	ug/L	81				78	115	
	Benzo(g,h,i)perylene	50	44.2	ug/L	88				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.1	ug/L	92				72	101	
	1,4-Dioxane	50	28.1	ug/L	56				38	125	
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87				63	116	
	1-Methylnaphthalene	50	40.2	ug/L	80				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162035BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF071524

SAS No.: BF071524 SDG NO.: BF071524

Lab File ID: BF138565.D

Lab Sample ID: PB162035BL

Instrument ID: BNA_F

Date Extracted: 07/12/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/15/2024

Level: (low/med) LOW

Time Analyzed: 12:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162035BS	PB162035BS	BF138566.D	07/15/2024
PILE-CAP	P3223-01	BF138573.D	07/15/2024
PAT-DIS-01-07112024	P3228-01	BF138574.D	07/15/2024
PAT-DIS-01-07112024MS	P3228-01MS	BF138575.D	07/15/2024
PAT-DIS-01-07112024MSD	P3228-01MSD	BF138576.D	07/15/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162036BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF071524

SAS No.: BF071524 SDG NO.: BF071524

Lab File ID: BF138567.D

Lab Sample ID: PB162036BL

Instrument ID: BNA_F

Date Extracted: 07/12/2024

Matrix: (soil/water) water

Date Analyzed: 07/15/2024

Level: (low/med) LOW

Time Analyzed: 13:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162036BS	PB162036BS	BF138568.D	07/15/2024
PB162012TB	PB162012TB	BF138569.D	07/15/2024
20071	P3115-17	BF138570.D	07/15/2024
20071MS	P3115-17MS	BF138571.D	07/15/2024
20071MSD	P3115-17MSD	BF138572.D	07/15/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3115-17MS		Client Sample ID: 20071MS		DataFile: BF138571.D							
n-Nitrosodimethylamine	500		500	ug/L	100				10	130	
Pyridine	500		360	ug/L	72				10	109	
Benzaldehyde	500		48.5	ug/L	10				10	137	
Aniline	500		260	ug/L	52				10	130	
Phenol	500		460	ug/L	92				10	130	
bis(2-Chloroethyl)ether	500		530	ug/L	106				29	141	
2-Chlorophenol	500		520	ug/L	104				23	127	
1,2-Dichlorobenzene	500		480	ug/L	96				61	114	
1,3-Dichlorobenzene	500		470	ug/L	94				65	106	
1,4-Dichlorobenzene	500		470	ug/L	94				55	125	
Benzyl Alcohol	500		530	ug/L	106	*			31	94	
2-Methylphenol	500		510	ug/L	102				23	132	
2,2-oxybis(1-Chloropropane)	500		490	ug/L	98				36	141	
Acetophenone	500		460	ug/L	92				31	164	
3+4-Methylphenols	500		510	ug/L	102				17	136	
N-Nitroso-di-n-propylamine	500		520	ug/L	104				36	147	
Hexachloroethane	500		470	ug/L	94				35	137	
Nitrobenzene	500		480	ug/L	96				40	134	
Isophorone	500		520	ug/L	104				39	146	
2-Nitrophenol	500		530	ug/L	106				30	148	
2,4-Dimethylphenol	500		580	ug/L	116				17	143	
bis(2-Chloroethoxy)methane	500		510	ug/L	102				39	143	
2,4-Dichlorophenol	500		530	ug/L	106				22	146	
1,2,4-Trichlorobenzene	500		480	ug/L	96				66	110	
Benzoic acid	500		490	ug/L	98				10	101	
Naphthalene	500		490	ug/L	98				17	157	
4-Chloroaniline	500		120	ug/L	24				10	95	
Hexachlorobutadiene	500		440	ug/L	88				52	125	
Caprolactam	500		450	ug/L	90				10	130	
4-Chloro-3-methylphenol	500		530	ug/L	106				17	148	
2-Methylnaphthalene	500		510	ug/L	102				38	146	
Hexachlorocyclopentadiene	1000		1400	ug/L	140				20	153	
2,4,6-Trichlorophenol	500		530	ug/L	106				46	139	
2,4,5-Trichlorophenol	500		520	ug/L	104				42	129	
1,1-Biphenyl	500		470	ug/L	94				38	154	
2-Chloronaphthalene	500		500	ug/L	100				41	145	
2-Nitroaniline	500		540	ug/L	108				39	151	
Dimethylphthalate	500		540	ug/L	108				42	147	
Acenaphthylene	500		550	ug/L	110				40	141	
2,6-Dinitrotoluene	500		520	ug/L	104				43	148	
3-Nitroaniline	500		230	ug/L	46				10	111	
Acenaphthene	500		500	ug/L	100				37	146	
Total PAH	8000		8080	ug/L	101				37	146	
2,4-Dinitrophenol	1000		1100	ug/L	110				14	167	
4-Nitrophenol	1000		870	ug/L	87				10	130	
Dibenzofuran	500		520	ug/L	104				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		530	ug/L	106				40	151	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1050	ug/L	105				40	151	
Diethylphthalate	500		550	ug/L	110				41	148	
4-Chlorophenyl-phenylether	500		510	ug/L	102				38	149	
Fluorene	500		510	ug/L	102				39	144	
4-Nitroaniline	500		410	ug/L	82				27	138	
4,6-Dinitro-2-methylphenol	500		630	ug/L	126				32	175	
N-Nitrosodiphenylamine	500		540	ug/L	108				40	150	
Azobenzene	500		520	ug/L	104				72	112	
4-Bromophenyl-phenylether	500		550	ug/L	110				42	151	
Hexachlorobenzene	500		530	ug/L	106				60	129	
Atrazine	500		360	ug/L	72				20	162	
Pentachlorophenol	1000		1000	ug/L	100				15	137	
Phenanthrene	500		530	ug/L	106				40	147	
Anthracene	500		550	ug/L	110				41	146	
Carbazole	500		460	ug/L	92				37	154	
Di-n-butylphthalate	500		540	ug/L	108				40	151	
Fluoranthene	500		460	ug/L	92				42	146	
Benzidine	1000		96.7	ug/L	10				10	130	
Pyrene	500		470	ug/L	94				41	149	
Butylbenzylphthalate	500		580	ug/L	116				39	155	
3,3-Dichlorobenzidine	500		150	ug/L	30				10	114	
Benzo(a)anthracene	500		540	ug/L	108				41	147	
Chrysene	500		550	ug/L	110				44	144	
bis(2-Ethylhexyl)phthalate	500		680	ug/L	136				33	160	
Di-n-octyl phthalate	500		740	ug/L	148				36	158	
Benzo(b)fluoranthene	500		560	ug/L	112				40	150	
Benzo(k)fluoranthene	500		540	ug/L	108				40	147	
Benzo(a)pyrene	500		570	ug/L	114				42	147	
Indeno(1,2,3-cd)pyrene	500		440	ug/L	88				30	166	
Dibenz(a,h)anthracene	500		450	ug/L	90				23	172	
Benzo(g,h,i)perylene	500		370	ug/L	74				27	167	
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92				89	102	
1,4-Dioxane	500		420	ug/L	84				38	130	
2,3,4,6-Tetrachlorophenol	500		550	ug/L	110				91	111	
1-Methylnaphthalene	500		480	ug/L	96				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3115-17MSD		Client Sample ID: 20071MSD		DataFile: BF138572.D							
n-Nitrosodimethylamine	500		530	ug/L	106		6		10	130	20
Pyridine	500		410	ug/L	82		13		10	109	20
Benzaldehyde	500		50.4	ug/L	10		0		10	137	20
Aniline	500		290	ug/L	58		11		10	130	20
Phenol	500		500	ug/L	100		8		10	130	20
bis(2-Chloroethyl)ether	500		560	ug/L	112		6		29	141	20
2-Chlorophenol	500		570	ug/L	114		9		23	127	20
1,2-Dichlorobenzene	500		510	ug/L	102		6		61	114	20
1,3-Dichlorobenzene	500		500	ug/L	100		6		65	106	20
1,4-Dichlorobenzene	500		500	ug/L	100		6		55	125	20
Benzyl Alcohol	500		580	ug/L	116	*	9		31	94	20
2-Methylphenol	500		550	ug/L	110		8		23	132	20
2,2-oxybis(1-Chloropropane)	500		520	ug/L	104		6		36	141	20
Acetophenone	500		500	ug/L	100		8		31	164	20
3+4-Methylphenols	500		550	ug/L	110		8		17	136	20
N-Nitroso-di-n-propylamine	500		560	ug/L	112		7		36	147	20
Hexachloroethane	500		500	ug/L	100		6		35	137	20
Nitrobenzene	500		520	ug/L	104		8		40	134	20
Isophorone	500		570	ug/L	114		9		39	146	20
2-Nitrophenol	500		580	ug/L	116		9		30	148	20
2,4-Dimethylphenol	500		630	ug/L	126		8		17	143	20
bis(2-Chloroethoxy)methane	500		550	ug/L	110		8		39	143	20
2,4-Dichlorophenol	500		570	ug/L	114		7		22	146	20
1,2,4-Trichlorobenzene	500		510	ug/L	102		6		66	110	20
Benzoic acid	500		540	ug/L	108	*	10		10	101	20
Naphthalene	500		530	ug/L	106		8		17	157	20
4-Chloroaniline	500		140	ug/L	28		15		10	95	20
Hexachlorobutadiene	500		480	ug/L	96		9		52	125	20
Caprolactam	500		480	ug/L	96		6		10	130	20
4-Chloro-3-methylphenol	500		580	ug/L	116		9		17	148	20
2-Methylnaphthalene	500		550	ug/L	110		8		38	146	20
Hexachlorocyclopentadiene	1000		1400	ug/L	140		0		20	153	20
2,4,6-Trichlorophenol	500		570	ug/L	114		7		46	139	20
2,4,5-Trichlorophenol	500		560	ug/L	112		7		42	129	20
1,1-Biphenyl	500		500	ug/L	100		6		38	154	20
2-Chloronaphthalene	500		530	ug/L	106		6		41	145	20
2-Nitroaniline	500		580	ug/L	116		7		39	151	20
Dimethylphthalate	500		590	ug/L	118		9		42	147	20
Acenaphthylene	500		600	ug/L	120		9		40	141	20
2,6-Dinitrotoluene	500		560	ug/L	112		7		43	148	20
3-Nitroaniline	500		260	ug/L	52		12		10	111	20
Acenaphthene	500		550	ug/L	110		10		37	146	20
Total PAH	8000		8990	ug/L	112		10		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		0		14	167	20
4-Nitrophenol	1000		920	ug/L	92		6		10	130	20
Dibenzofuran	500		560	ug/L	112		7		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		570	ug/L	114		7		40	151	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1130	ug/L	113		7		40	151	20
Diethylphthalate	500		590	ug/L	118		7		41	148	20
4-Chlorophenyl-phenylether	500		550	ug/L	110		8		38	149	20
Fluorene	500		550	ug/L	110		8		39	144	20
4-Nitroaniline	500		440	ug/L	88		7		27	138	20
4,6-Dinitro-2-methylphenol	500		670	ug/L	134		6		32	175	20
N-Nitrosodiphenylamine	500		590	ug/L	118		9		40	150	20
Azobenzene	500		570	ug/L	114	*	9		72	112	20
4-Bromophenyl-phenylether	500		590	ug/L	118		7		42	151	20
Hexachlorobenzene	500		590	ug/L	118		11		60	129	20
Atrazine	500		400	ug/L	80		11		20	162	20
Pentachlorophenol	1000		1100	ug/L	110		10		15	137	20
Phenanthrene	500		570	ug/L	114		7		40	147	20
Anthracene	500		580	ug/L	116		5		41	146	20
Carbazole	500		510	ug/L	102		10		37	154	20
Di-n-butylphthalate	500		580	ug/L	116		7		40	151	20
Fluoranthene	500		500	ug/L	100		8		42	146	20
Benzidine	1000		47.4	ug/L	5	*	67	*	10	130	20
Pyrene	500		500	ug/L	100		6		41	149	20
Butylbenzylphthalate	500		610	ug/L	122		5		39	155	20
3,3-Dichlorobenzidine	500		190	ug/L	38		24	*	10	114	20
Benzo(a)anthracene	500		570	ug/L	114		5		41	147	20
Chrysene	500		580	ug/L	116		5		44	144	20
bis(2-Ethylhexyl)phthalate	500		710	ug/L	142		4		33	160	20
Di-n-octyl phthalate	500		780	ug/L	156		5		36	158	20
Benzo(b)fluoranthene	500		600	ug/L	120		7		40	150	20
Benzo(k)fluoranthene	500		590	ug/L	118		9		40	147	20
Benzo(a)pyrene	500		610	ug/L	122		7		42	147	20
Indeno(1,2,3-cd)pyrene	500		580	ug/L	116		27	*	30	166	20
Dibenz(a,h)anthracene	500		590	ug/L	118		27	*	23	172	20
Benzo(g,h,i)perylene	500		490	ug/L	98		28	*	27	167	20
1,2,4,5-Tetrachlorobenzene	500		500	ug/L	100		8		89	102	20
1,4-Dioxane	500		440	ug/L	88		5		38	130	20
2,3,4,6-Tetrachlorophenol	500		610	ug/L	122	*	10		91	111	20
1-Methylnaphthalene	500		520	ug/L	104		8		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3228-01MS		Client Sample ID: PAT-DIS-01-07112024MS		DataFile: BF138575.D							
n-Nitrosodimethylamine	1000		1100	ug/Kg	110				66	124	
Pyridine	1000		870	ug/Kg	87				45	119	
Benzaldehyde	1000		0	ug/Kg	0	*			26	163	
Aniline	1000		530	ug/Kg	53				10	88	
Phenol	1000		1000	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1000		1100	ug/Kg	110				74	116	
2-Chlorophenol	1000		1100	ug/Kg	110				61	138	
1,2-Dichlorobenzene	1000		1000	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1000		1000	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1000		1000	ug/Kg	100				63	104	
Benzyl Alcohol	1000		1000	ug/Kg	100				47	126	
2-Methylphenol	1000		1000	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1000		1000	ug/Kg	100				52	115	
Acetophenone	1000		1100	ug/Kg	110				75	111	
3+4-Methylphenols	1000		1000	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1000		1000	ug/Kg	100				59	119	
Hexachloroethane	1000		950	ug/Kg	95				65	117	
Nitrobenzene	1000		1100	ug/Kg	110				70	119	
Isophorone	1000		1100	ug/Kg	110				76	122	
2-Nitrophenol	1000		1100	ug/Kg	110				54	145	
2,4-Dimethylphenol	1000		1200	ug/Kg	120				83	144	
bis(2-Chloroethoxy)methane	1000		1100	ug/Kg	110				68	112	
2,4-Dichlorophenol	1000		1000	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1000		1000	ug/Kg	100				57	103	
Benzoic acid	1000		600	ug/Kg	60				50	104	
Naphthalene	1000		1000	ug/Kg	100				72	110	
4-Chloroaniline	1000		480	ug/Kg	48				10	100	
Hexachlorobutadiene	1000		1000	ug/Kg	100				66	114	
Caprolactam	1000		830	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	1000		870	ug/Kg	87				57	132	
2-Methylnaphthalene	1000		960	ug/Kg	96				59	123	
Hexachlorocyclopentadiene	2100		240	ug/Kg	11				10	175	
2,4,6-Trichlorophenol	1000		1100	ug/Kg	110				72	117	
2,4,5-Trichlorophenol	1000		950	ug/Kg	95				72	117	
1,1-Biphenyl	1000		1100	ug/Kg	110				75	113	
2-Chloronaphthalene	1000		1100	ug/Kg	110				67	118	
2-Nitroaniline	1000		1100	ug/Kg	110				69	127	
Dimethylphthalate	1000		1200	ug/Kg	120	*			70	113	
Acenaphthylene	1000		1100	ug/Kg	110				79	118	
2,6-Dinitrotoluene	1000		1000	ug/Kg	100				70	125	
3-Nitroaniline	1000		860	ug/Kg	86				20	111	
Acenaphthene	1000		1000	ug/Kg	100				70	121	
Total PAH	16000	0	17420	ug/Kg	109				70	121	
2,4-Dinitrophenol	2100		320	ug/Kg	15	*			16	160	
4-Nitrophenol	2100		1700	ug/Kg	81				45	133	
Dibenzofuran	1000		1100	ug/Kg	110				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		1950	ug/Kg	98				55	128	
2,4-Dinitrotoluene	1000		950	ug/Kg	95				55	128	
Diethylphthalate	1000		1100	ug/Kg	110				70	112	
4-Chlorophenyl-phenylether	1000		1000	ug/Kg	100				71	108	
Fluorene	1000		1000	ug/Kg	100				68	116	
4-Nitroaniline	1000		910	ug/Kg	91				55	120	
4,6-Dinitro-2-methylphenol	1000		170	ug/Kg	17	*			32	145	
N-Nitrosodiphenylamine	1000		1100	ug/Kg	110				73	118	
Azobenzene	1000		980	ug/Kg	98				73	110	
4-Bromophenyl-phenylether	1000		1100	ug/Kg	110				65	121	
Hexachlorobenzene	1000		980	ug/Kg	98				67	118	
Atrazine	1000		1100	ug/Kg	110				79	127	
Pentachlorophenol	2100		1500	ug/Kg	71				47	128	
Phenanthrene	1000	130	1200	ug/Kg	107				72	113	
Anthracene	1000		1100	ug/Kg	110				62	124	
Carbazole	1000		1100	ug/Kg	110				59	119	
Di-n-butylphthalate	1000		1200	ug/Kg	120	*			69	118	
Fluoranthene	1000	220	1300	ug/Kg	108				59	125	
Benzydine	2100		0	ug/Kg	0	*			10	119	
Pyrene	1000	180	1100	ug/Kg	92				52	128	
Butylbenzylphthalate	1000		1400	ug/Kg	140	*			64	126	
3,3-Dichlorobenzidine	1000		880	ug/Kg	88				10	164	
Benzo(a)anthracene	1000	120	1200	ug/Kg	108				71	114	
Chrysene	1000	120	1200	ug/Kg	108				57	121	
bis(2-Ethylhexyl)phthalate	1000		1700	ug/Kg	170	*			66	127	
Di-n-octyl phthalate	1000		1500	ug/Kg	150	*			71	126	
Benzo(b)fluoranthene	1000	170	1200	ug/Kg	103				67	121	
Benzo(k)fluoranthene	1000		1100	ug/Kg	110				74	114	
Benzo(a)pyrene	1000	130	1200	ug/Kg	107				70	142	
Indeno(1,2,3-cd)pyrene	1000		970	ug/Kg	97				61	125	
Dibenz(a,h)anthracene	1000		940	ug/Kg	94				67	130	
Benzo(g,h,i)perylene	1000	0	810	ug/Kg	81				53	140	
1,2,4,5-Tetrachlorobenzene	1000		1100	ug/Kg	110				69	124	
1,4-Dioxane	1000		880	ug/Kg	88				46	112	
2,3,4,6-Tetrachlorophenol	1000		920	ug/Kg	92				56	133	
1-Methylnaphthalene	1000		900	ug/Kg	90				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3228-01MSD		Client Sample ID: PAT-DIS-01-07112024MSD		DataFile: BF138576.D							
n-Nitrosodimethylamine	1100		1100	ug/Kg	100		10		66	124	20
Pyridine	1100		880	ug/Kg	80		8		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		550	ug/Kg	50		6		10	88	20
Phenol	1100		1000	ug/Kg	91		9		67	126	20
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100		10		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		19		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		9		61	105	20
1,3-Dichlorobenzene	1100		1000	ug/Kg	91		9		62	101	20
1,4-Dichlorobenzene	1100		990	ug/Kg	90		11		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		9		47	126	20
2-Methylphenol	1100		980	ug/Kg	89		12		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91		9		52	115	20
Acetophenone	1100		1100	ug/Kg	100		10		75	111	20
3+4-Methylphenols	1100		990	ug/Kg	90		11		53	132	20
N-Nitroso-di-n-propylamine	1100		990	ug/Kg	90		11		59	119	20
Hexachloroethane	1100		850	ug/Kg	77		21	*	65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		19		70	119	20
Isophorone	1100		1100	ug/Kg	100		10		76	122	20
2-Nitrophenol	1100		1000	ug/Kg	91		19		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		18		83	144	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		10		68	112	20
2,4-Dichlorophenol	1100		980	ug/Kg	89		12		72	118	20
1,2,4-Trichlorobenzene	1100		980	ug/Kg	89		12		57	103	20
Benzoic acid	1100		560	ug/Kg	51		16		50	104	20
Naphthalene	1100		1000	ug/Kg	91		9		72	110	20
4-Chloroaniline	1100		520	ug/Kg	47		2		10	100	20
Hexachlorobutadiene	1100		1000	ug/Kg	91		9		66	114	20
Caprolactam	1100		820	ug/Kg	75		10		51	134	20
4-Chloro-3-methylphenol	1100		870	ug/Kg	79		10		57	132	20
2-Methylnaphthalene	1100		920	ug/Kg	84		13		59	123	20
Hexachlorocyclopentadiene	2100		0	ug/Kg	0	*	200	*	10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		19		72	117	20
2,4,5-Trichlorophenol	1100		950	ug/Kg	86		10		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		19		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		10		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		10		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		18		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		10		79	118	20
2,6-Dinitrotoluene	1100		960	ug/Kg	87		14		70	125	20
3-Nitroaniline	1100		930	ug/Kg	85		1		20	111	20
Acenaphthene	1100		1000	ug/Kg	91		9		70	121	20
Total PAH	17600	0	16850	ug/Kg	96		13		70	121	20
2,4-Dinitrophenol	2100		0	ug/Kg	0	*	200	*	16	160	20
4-Nitrophenol	2100		1700	ug/Kg	81		0		45	133	20
Dibenzofuran	1100		1000	ug/Kg	91		19		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1880	ug/Kg	85		14		55	128	20
2,4-Dinitrotoluene	1100		920	ug/Kg	84		12		55	128	20
Diethylphthalate	1100		1100	ug/Kg	100		10		70	112	20
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91		9		71	108	20
Fluorene	1100		1000	ug/Kg	91		9		68	116	20
4-Nitroaniline	1100		960	ug/Kg	87		4		55	120	20
4,6-Dinitro-2-methylphenol	1100		0	ug/Kg	0	*	200	*	32	145	20
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100		10		73	118	20
Azobenzene	1100		990	ug/Kg	90		9		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		19		65	121	20
Hexachlorobenzene	1100		940	ug/Kg	85		14		67	118	20
Atrazine	1100		1000	ug/Kg	91		19		79	127	20
Pentachlorophenol	2100		1500	ug/Kg	71		0		47	128	20
Phenanthrene	1100	130	1200	ug/Kg	97		10		72	113	20
Anthracene	1100		1100	ug/Kg	100		10		62	124	20
Carbazole	1100		1100	ug/Kg	100		10		59	119	20
Di-n-butylphthalate	1100		1100	ug/Kg	100		18		69	118	20
Fluoranthene	1100	220	1200	ug/Kg	89		19		59	125	20
Benzidine	2100		0	ug/Kg	0	*			10	119	20
Pyrene	1100	180	1100	ug/Kg	84		9		52	128	20
Butylbenzylphthalate	1100		1300	ug/Kg	118		17		64	126	20
3,3-Dichlorobenzidine	1100		920	ug/Kg	84		5		10	164	20
Benzo(a)anthracene	1100	120	1100	ug/Kg	89		19		71	114	20
Chrysene	1100	120	1100	ug/Kg	89		19		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1600	ug/Kg	145	*	16		66	127	20
Di-n-octyl phthalate	1100		1500	ug/Kg	136	*	10		71	126	20
Benzo(b)fluoranthene	1100	170	1200	ug/Kg	94		9		67	121	20
Benzo(k)fluoranthene	1100		1100	ug/Kg	100		10		74	114	20
Benzo(a)pyrene	1100	130	1100	ug/Kg	88		19		70	142	20
Indeno(1,2,3-cd)pyrene	1100		920	ug/Kg	84		14		61	125	20
Dibenz(a,h)anthracene	1100		890	ug/Kg	81		15		67	130	20
Benzo(g,h,i)perylene	1100	0	740	ug/Kg	67		19		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		19		69	124	20
1,4-Dioxane	1100		870	ug/Kg	79		11		46	112	20
2,3,4,6-Tetrachlorophenol	1100		910	ug/Kg	83		10		56	133	20
1-Methylnaphthalene	1100		870	ug/Kg	79		13		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF071524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3223-01	PILE-CAP	BF138573.D	2-Fluorophenol	150	81.53	54		18	112
			Phenol-d6	150	83.04	55		15	107
			Nitrobenzene-d5	100	54.77	55		18	107
			2-Fluorobiphenyl	100	54.30	54		20	109
			2,4,6-Tribromophenol	150	71.74	48		10	110
			Terphenyl-d14	100	48.44	48		14	112
P3228-01	PAT-DIS-01-07112(BF138574.D		2-Fluorophenol	150	105.61	70		18	112
			Phenol-d6	150	102.20	68		15	107
			Nitrobenzene-d5	100	74.37	74		18	107
			2-Fluorobiphenyl	100	86.02	86		20	109
			2,4,6-Tribromophenol	150	91.64	61		10	110
			Terphenyl-d14	100	78.98	79		14	112
P3228-01MS	PAT-DIS-01-07112(BF138575.D		2-Fluorophenol	150	97.57	65		18	112
			Phenol-d6	150	93.47	62		15	107
			Nitrobenzene-d5	100	69.87	70		18	107
			2-Fluorobiphenyl	100	78.22	78		20	109
			2,4,6-Tribromophenol	150	88.99	59		10	110
			Terphenyl-d14	100	80.75	81		14	112
P3228-01MSD	PAT-DIS-01-07112(BF138576.D		2-Fluorophenol	150	96.08	64		18	112
			Phenol-d6	150	90.30	60		15	107
			Nitrobenzene-d5	100	66.91	67		18	107
			2-Fluorobiphenyl	100	75.34	75		20	109
			2,4,6-Tribromophenol	150	87.62	58		10	110
			Terphenyl-d14	100	76.14	76		14	112
PB162035BL	PB162035BL	BF138565.D	2-Fluorophenol	150	126.68	84		18	112
			Phenol-d6	150	111.78	75		15	107
			Nitrobenzene-d5	100	79.94	80		18	107
			2-Fluorobiphenyl	100	80.09	80		20	109
			2,4,6-Tribromophenol	150	122.73	82		10	110
			Terphenyl-d14	100	83.17	83		14	112
PB162035BS	PB162035BS	BF138566.D	2-Fluorophenol	150	121.00	81		18	112
			Phenol-d6	150	118.81	79		15	107
			Nitrobenzene-d5	100	78.71	79		18	107
			2-Fluorobiphenyl	100	74.97	75		20	109
			2,4,6-Tribromophenol	150	120.52	80		10	110
			Terphenyl-d14	100	89.47	89		14	112

Surrogate Summary

SW-846

SDG No.: **BF071524**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3115-17	20071	BF138570.D	2-Fluorophenol	150	94.98	63		10	139
			Phenol-d6	150	89.76	60		10	134
			Nitrobenzene-d5	100	72.30	72		49	133
			2-Fluorobiphenyl	100	73.78	74		52	132
			2,4,6-Tribromophenol	150	132.97	89		32	145
			Terphenyl-d14	100	103.27	103		36	145
P3115-17MS	20071MS	BF138571.D	2-Fluorophenol	150	125.61	84		10	139
			Phenol-d6	150	121.02	81		10	134
			Nitrobenzene-d5	100	90.76	91		49	133
			2-Fluorobiphenyl	100	90.64	91		52	132
			2,4,6-Tribromophenol	150	140.01	93		32	145
			Terphenyl-d14	100	100.82	101		36	145
P3115-17MSD	20071MSD	BF138572.D	2-Fluorophenol	150	136.80	91		10	139
			Phenol-d6	150	130.99	87		10	134
			Nitrobenzene-d5	100	98.79	99		49	133
			2-Fluorobiphenyl	100	98.05	98		52	132
			2,4,6-Tribromophenol	150	151.51	101		32	145
			Terphenyl-d14	100	106.65	107		36	145
PB162012TB	PB162012TB	BF138569.D	2-Fluorophenol	150	121.84	81		10	139
			Phenol-d6	150	116.14	77		10	134
			Nitrobenzene-d5	100	78.83	79		49	133
			2-Fluorobiphenyl	100	84.31	84		52	132
			2,4,6-Tribromophenol	150	103.26	69		32	145
			Terphenyl-d14	100	127.09	127		36	145
PB162036BL	PB162036BL	BF138567.D	2-Fluorophenol	150	120.63	80		10	139
			Phenol-d6	150	133.59	89		10	134
			Nitrobenzene-d5	100	81.15	81		49	133
			2-Fluorobiphenyl	100	78.44	78		52	132
			2,4,6-Tribromophenol	150	148.01	99		32	145
			Terphenyl-d14	100	82.70	83		36	145
PB162036BS	PB162036BS	BF138568.D	2-Fluorophenol	150	117.70	78		10	139
			Phenol-d6	150	117.06	78		10	134
			Nitrobenzene-d5	100	82.83	83		49	133
			2-Fluorobiphenyl	100	83.08	83		52	132
			2,4,6-Tribromophenol	150	120.45	80		32	145
			Terphenyl-d14	100	82.66	83		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF071524

Lab Code: CHEM

SAS No.: BF071524 SDG NO.: BF071524

Lab File ID: BF138563.D

DFTPP Injection Date: 07/15/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.3
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	36.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	91.5
443	15.0 - 24.0% of mass 442	17.7 (19.4) 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	BF138564.D	07/15/2024	11:51
PB162035BL	PB162035BL	BF138565.D	07/15/2024	12:52
PB162035BS	PB162035BS	BF138566.D	07/15/2024	13:27
PB162036BL	PB162036BL	BF138567.D	07/15/2024	13:57
PB162036BS	PB162036BS	BF138568.D	07/15/2024	14:28
PB162012TB	PB162012TB	BF138569.D	07/15/2024	14:59
20071	P3115-17	BF138570.D	07/15/2024	16:09
20071MS	P3115-17MS	BF138571.D	07/15/2024	16:40
20071MSD	P3115-17MSD	BF138572.D	07/15/2024	17:11
PILE-CAP	P3223-01	BF138573.D	07/15/2024	17:42
PAT-DIS-01-07112024	P3228-01	BF138574.D	07/15/2024	18:14
PAT-DIS-01-07112024MS	P3228-01MS	BF138575.D	07/15/2024	18:45
PAT-DIS-01-07112024MSD	P3228-01MSD	BF138576.D	07/15/2024	19:15