

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG No.: BF080423

Instrument ID: BNA_F Calibration Date/Time: 8/4/2023 12:08:59

Lab File ID: BF134621.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	0.784	0.670		-14.541	
Pyridine	1.640	1.463		-10.793	
2-Fluorophenol	1.316	1.160		-11.854	
Benzaldehyde	0.917	0.768		-16.249	
Aniline	2.206	1.990		-9.791	
Phenol-d6	1.682	1.505		-10.523	
Phenol	1.657	1.491		-10.018	20.0
bis(2-Chloroethyl)ether	1.317	1.222		-7.213	
2-Chlorophenol	1.327	1.237		-6.782	
1,2-Dichlorobenzene	1.282	1.175		-8.346	
1,3-Dichlorobenzene	1.373	1.287		-6.264	
1,4-Dichlorobenzene	1.376	1.280		-6.977	20.0
Benzyl Alcohol	1.160	1.070		-7.759	
2-Methylphenol	1.173	1.083		-7.673	
2,2-oxybis(1-Chloropropane)	2.063	1.964		-4.799	
Acetophenone	0.462	0.398		-13.853	
3+4-Methylphenols	1.414	1.247		-11.81	
n-Nitroso-di-n-propylamine	1.007	0.906	0.050	-10.03	
Nitrobenzene-d5	0.320	0.328		2.5	
Hexachloroethane	0.483	0.472		-2.277	
Nitrobenzene	0.346	0.339		-2.023	
Isophorone	0.698	0.665		-4.728	
2-Nitrophenol	0.122	0.163		33.607	20.0
2,4-Dimethylphenol	0.311	0.292		-6.109	
bis(2-Chloroethoxy)methane	0.418	0.402		-3.828	
2,4-Dichlorophenol	0.283	0.278		-1.767	20.0
1,2,4-Trichlorobenzene	0.301	0.291		-3.322	
Benzoic acid	0.176	0.207		17.614	
Naphthalene	1.005	0.925		-7.96	
4-Chloroaniline	0.448	0.411		-8.259	
Hexachlorobutadiene	0.174	0.174		0.0	20.0
Caprolactam	0.091	0.090		-1.099	
4-Chloro-3-methylphenol	0.299	0.288		-3.679	20.0
2-Methylnaphthalene	0.666	0.629		-5.556	
Hexachlorocyclopentadiene	0.283	0.275	0.050	-2.827	
2,4,6-Trichlorophenol	0.381	0.375		-1.575	20.0
2-Fluorobiphenyl	1.203	1.097		-8.811	
2,4,5-Trichlorophenol	0.435	0.428		-1.609	
1,1-Biphenyl	1.555	1.414		-9.068	
2-Chloronaphthalene	1.165	1.064		-8.67	
2-Nitroaniline	0.316	0.349		10.443	

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 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.363	1.305		-4.255	
Acenaphthylene	1.832	1.661		-9.334	
2,6-Dinitrotoluene	0.248	0.278		12.097	
3-Nitroaniline	0.304	0.327		7.566	
Acenaphthene	1.187	1.095		-7.751	20.0
2,4-Dinitrophenol	0.079	0.116	0.050	46.835	
4-Nitrophenol	0.248	0.243	0.050	-2.016	
Dibenzofuran	1.690	1.537		-9.053	
2,4-Dinitrotoluene	0.292	0.350		19.863	
Diethylphthalate	1.292	1.243		-3.793	
4-Chlorophenyl-phenylether	0.605	0.561		-7.273	
Fluorene	1.231	1.083		-12.023	
4-Nitroaniline	0.298	0.316		6.04	
4,6-Dinitro-2-methylphenol	0.069	0.094		36.232	
n-Nitrosodiphenylamine	0.637	0.594		-6.75	20.0
Azobenzene	1.388	1.273		-8.285	
2,4,6-Tribromophenol	0.204	0.222		8.824	
4-Bromophenyl-phenylether	0.219	0.224		2.283	
Hexachlorobenzene	0.231	0.230		-0.433	
Atrazine	0.172	0.177		2.907	
Pentachlorophenol	0.143	0.154		7.692	20.0
Phenanthrene	1.062	0.968		-8.851	
Anthracene	1.085	0.982		-9.493	
Carbazole	0.969	0.858		-11.455	
Di-n-butylphthalate	1.029	1.040		1.069	
Fluoranthene	1.122	0.976		-13.012	20.0
Benzidine	0.434	0.455		4.839	
Pyrene	1.731	1.792		3.524	
Terphenyl-d14	1.135	1.179		3.877	
Butylbenzylphthalate	0.585	0.676		15.556	
3,3-Dichlorobenzidine	0.415	0.420		1.205	
Benzo (a) anthracene	1.430	1.249		-12.657	
Chrysene	1.393	1.262		-9.404	
Bis (2-ethylhexyl) phthalate	0.689	0.711		3.193	
Di-n-octyl phthalate	1.047	1.173		12.034	20.0
Benzo (b) fluoranthene	1.220	1.098		-10.0	
Benzo (k) fluoranthene	1.215	1.124		-7.49	
Benzo (a) pyrene	1.137	1.079		-5.101	20.0
Indeno (1,2,3-cd) pyrene	1.176	1.357		15.391	
Dibenzo (a,h) anthracene	0.951	1.116		17.35	
Benzo (g,h,i) perylene	0.970	1.053		8.557	



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Instrument ID: BNA_F Calibration Date/Time: 8/4/2023 12:08:59

Lab File ID: BF134621.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.582	0.552		-5.155	
1,4-Dioxane	0.605	0.534		-11.736	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.345		0.291	
1-Methylnaphthalene	0.620	0.582		-6.129	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154564BL	SDG No.:	BF080423
Lab Sample ID:	PB154564BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134622.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.3	U	72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.3	U	74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.9	U	71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154564BL	SDG No.:	BF080423
Lab Sample ID:	PB154564BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134622.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154564BL	SDG No.:	BF080423
Lab Sample ID:	PB154564BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134622.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124.491		18-112		83	SPK: -150
13127-88-3	Phenol-d6	122.586		15-107		82	SPK: -150
4165-60-0	Nitrobenzene-d5	99.25		18-107		99	SPK: -100
321-60-8	2-Fluorobiphenyl	86.031		20-109		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	147.105		10-110		98	SPK: -150
1718-51-0	Terphenyl-d14	81.59		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	199115	6.798				
1146-65-2	Naphthalene-d8	811026	8.075				
15067-26-2	Acenaphthene-d10	437702	9.833				
1517-22-2	Phenanthrene-d10	851586	11.321				
1719-03-5	Chrysene-d12	612340	13.968				
1520-96-3	Perylene-d12	486562	15.433				



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

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	PB154564BL	SDG No.:	BF080423
Lab Sample ID:	PB154564BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134622.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	69.9	J			2.275	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	160	J			17.174	

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	SB-28-0-2-20230721	SDG No.:	BF080423
Lab Sample ID:	O3686-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134623.D	1	7/24/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.6	U	87.6	310	370	ug/Kg
110-86-1	Pyridine	82.1	U	82.1	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	84.3	U	84.3	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.6	U	81.6	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.6	U	92.6	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.4	U	93.4	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	98.3	U	98.3	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	66.9	U	66.9	90.7	90.7	ug/Kg
67-72-1	Hexachloroethane	83.4	U	83.4	150	190	ug/Kg
98-95-3	Nitrobenzene	85.3	U	85.3	150	190	ug/Kg
78-59-1	Isophorone	77.2	U	77.2	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	88.5	U	88.5	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	87.9	U	87.9	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	370	ug/Kg
91-20-3	Naphthalene	92.3	U	92.3	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.2	U	95.2	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.5	U	93.5	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	SB-28-0-2-20230721	SDG No.:	BF080423
Lab Sample ID:	O3686-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134623.D	1	7/24/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.4	U	87.4	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.7	U	99.7	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.9	U	95.9	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	91	U	91	150	190	ug/Kg
Total PAH	Total PAH	1638.7	U	1638.7	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	310	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	370	ug/Kg
132-64-9	Dibenzofuran	87.2	U	87.2	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
84-66-2	Diethylphthalate	97.4	U	97.4	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	96.1	U	96.1	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.5	U	99.5	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83.3	U	83.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	370	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	190	ug/Kg
120-12-7	Anthracene	120	U	120	150	190	ug/Kg
86-74-8	Carbazole	96.3	U	96.3	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	120	J	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	SB-28-0-2-20230721	SDG No.:	BF080423
Lab Sample ID:	O3686-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134623.D	1	7/24/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	370	ug/Kg
129-00-0	Pyrene	110	J	94.9	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	95.1	U	95.1	150	190	ug/Kg
218-01-9	Chrysene	98.4	U	98.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91	U	91	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	99.9	U	99.9	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94	U	94	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.485		18-112		56	SPK: -150
13127-88-3	Phenol-d6	85.646		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	67.645		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	66.426		20-109		66	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.862		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	66.398		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173888.5	6.798				
1146-65-2	Naphthalene-d8	680105	8.075				
15067-26-2	Acenaphthene-d10	349796.5	9.833				
1517-22-2	Phenanthrene-d10	596516	11.322				
1719-03-5	Chrysene-d12	341085.5	13.969				
1520-96-3	Perylene-d12	433352	15.439				

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	SB-28-0-2-20230721	SDG No.:	BF080423
Lab Sample ID:	O3686-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134623.D	1	7/24/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154372

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	430	J			9.275	
000057-10-3	n-Hexadecanoic acid	530	J			11.857	
000057-11-4	Octadecanoic acid	340	J			12.645	
1000282-98-2	Dichloroacetic acid, heptadecyl es	250	J			13.822	
000630-02-4	Octacosane	170	J			14.457	
076496-57-6	6a,12a-Dihydro-6H-(1,3)dioxolo(5,6	250	J			14.621	
013475-76-8	Docosane, 11-butyl-	270	J			15.945	

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-9-CS-9	SDG No.:	BF080423
Lab Sample ID:	O3756-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134624.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84	U	84	290	360	ug/Kg
110-86-1	Pyridine	78.7	U	78.7	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	360	ug/Kg
62-53-3	Aniline	130	U	130	140	180	ug/Kg
108-95-2	Phenol	80.9	U	80.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.6	U	97.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	78.2	U	78.2	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.8	U	88.8	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.2	U	96.2	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	89.6	U	89.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	360	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	94.2	U	94.2	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.1	U	64.1	86.9	86.9	ug/Kg
67-72-1	Hexachloroethane	80	U	80	140	180	ug/Kg
98-95-3	Nitrobenzene	81.7	U	81.7	140	180	ug/Kg
78-59-1	Isophorone	74	U	74	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	84.9	U	84.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	84.2	U	84.2	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	360	ug/Kg
91-20-3	Naphthalene	88.5	U	88.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	91.3	U	91.3	140	180	ug/Kg
105-60-2	Caprolactam	130	U	130	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.7	U	89.7	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-9-CS-9	SDG No.:	BF080423
Lab Sample ID:	O3756-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134624.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.8	U	83.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.5	U	95.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	99.2	U	99.2	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	91.9	U	91.9	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	96.6	U	96.6	140	180	ug/Kg
208-96-8	Acenaphthylene	96.1	U	96.1	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.8	U	97.8	140	180	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	180	ug/Kg
83-32-9	Acenaphthene	87.3	U	87.3	140	180	ug/Kg
Total PAH	Total PAH	1553.6	U	1553.6	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	290	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	83.6	U	83.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	207.8	U	207.8	140	360	ug/Kg
84-66-2	Diethylphthalate	93.4	U	93.4	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.2	U	98.2	140	180	ug/Kg
86-73-7	Fluorene	92.2	U	92.2	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.4	U	95.4	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	180	ug/Kg
103-33-3	Azobenzene	79.9	U	79.9	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	360	ug/Kg
85-01-8	Phenanthrene	100	U	100	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	92.3	U	92.3	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-9-CS-9	SDG No.:	BF080423
Lab Sample ID:	O3756-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134624.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	290	360	ug/Kg
129-00-0	Pyrene	91	U	91	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	91.2	U	91.2	140	180	ug/Kg
218-01-9	Chrysene	94.3	U	94.3	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	U	87.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	95.7	U	95.7	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.2	U	97.2	140	180	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.1	U	90.1	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	98	U	98	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	48.805		18-112		33	SPK: -150
13127-88-3	Phenol-d6	49.946		15-107		33	SPK: -150
4165-60-0	Nitrobenzene-d5	37.532		18-107		38	SPK: -100
321-60-8	2-Fluorobiphenyl	39.263		20-109		39	SPK: -100
118-79-6	2,4,6-Tribromophenol	50.85		10-110		34	SPK: -150
1718-51-0	Terphenyl-d14	36.562		14-112		37	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	193763	6.798				
1146-65-2	Naphthalene-d8	768646	8.075				
15067-26-2	Acenaphthene-d10	386918	9.827				
1517-22-2	Phenanthrene-d10	639080	11.316				
1719-03-5	Chrysene-d12	375399	13.963				
1520-96-3	Perylene-d12	461452	15.433				



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

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-9-CS-9	SDG No.:	BF080423
Lab Sample ID:	O3756-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134624.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	130	J			11.857	
018835-33-1	1-Hexacosene	120	J			13.821	

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-10-CS-10	SDG No.:	BF080423
Lab Sample ID:	O3756-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BF134625.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	82.9	U	82.9	290	350	ug/Kg
110-86-1	Pyridine	77.7	U	77.7	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	350	ug/Kg
62-53-3	Aniline	130	U	130	140	180	ug/Kg
108-95-2	Phenol	79.8	U	79.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.3	U	96.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	77.2	U	77.2	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	87.6	U	87.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.9	U	94.9	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	88.4	U	88.4	140	180	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	350	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	93	U	93	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	63.3	U	63.3	85.8	85.8	ug/Kg
67-72-1	Hexachloroethane	78.9	U	78.9	140	180	ug/Kg
98-95-3	Nitrobenzene	80.7	U	80.7	140	180	ug/Kg
78-59-1	Isophorone	73	U	73	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	83.8	U	83.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	83.1	U	83.1	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	87.3	U	87.3	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	90.1	U	90.1	140	180	ug/Kg
105-60-2	Caprolactam	130	U	130	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.5	U	88.5	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-10-CS-10	SDG No.:	BF080423
Lab Sample ID:	O3756-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BF134625.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.7	U	82.7	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.3	U	94.3	140	180	ug/Kg
92-52-4	1,1-Biphenyl	97.9	U	97.9	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.7	U	90.7	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	95.4	U	95.4	140	180	ug/Kg
208-96-8	Acenaphthylene	94.8	U	94.8	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.5	U	96.5	140	180	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	180	ug/Kg
83-32-9	Acenaphthene	86.1	U	86.1	140	180	ug/Kg
Total PAH	Total PAH	1531.3	U	1531.3	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	82.5	U	82.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	206.5	U	206.5	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	92.1	U	92.1	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97	U	97	140	180	ug/Kg
86-73-7	Fluorene	91	U	91	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94.2	U	94.2	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	180	ug/Kg
103-33-3	Azobenzene	78.8	U	78.8	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	140	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	350	ug/Kg
85-01-8	Phenanthrene	99.4	U	99.4	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	91.1	U	91.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-10-CS-10	SDG No.:	BF080423
Lab Sample ID:	O3756-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BF134625.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	290	350	ug/Kg
129-00-0	Pyrene	89.8	U	89.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	90	U	90	140	180	ug/Kg
218-01-9	Chrysene	93.1	U	93.1	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.1	U	86.1	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	94.5	U	94.5	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.2	U	99.2	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.9	U	95.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88.9	U	88.9	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	96.7	U	96.7	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.156		18-112		54	SPK: -150
13127-88-3	Phenol-d6	81.155		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	60.58		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	62.73		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.337		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	53.786		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164443	6.798				
1146-65-2	Naphthalene-d8	662704	8.075				
15067-26-2	Acenaphthene-d10	324017	9.828				
1517-22-2	Phenanthrene-d10	521720	11.316				
1719-03-5	Chrysene-d12	326868	13.963				
1520-96-3	Perylene-d12	402203	15.433				



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Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-10-CS-10	SDG No.:	BF080423
Lab Sample ID:	O3756-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134625.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	190	J			11.857	
074339-54-1	Trichloroacetic acid, hexadecyl es	150	J			13.821	

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-11-CS-11	SDG No.:	BF080423
Lab Sample ID:	O3756-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134626.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	82.7	U	82.7	290	350	ug/Kg
110-86-1	Pyridine	77.5	U	77.5	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	350	ug/Kg
62-53-3	Aniline	130	U	130	140	180	ug/Kg
108-95-2	Phenol	79.6	U	79.6	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.1	U	96.1	140	180	ug/Kg
95-57-8	2-Chlorophenol	77.1	U	77.1	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	87.5	U	87.5	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.7	U	94.7	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	88.2	U	88.2	140	180	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	350	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	92.8	U	92.8	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	63.2	U	63.2	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	78.8	U	78.8	140	180	ug/Kg
98-95-3	Nitrobenzene	80.5	U	80.5	140	180	ug/Kg
78-59-1	Isophorone	72.9	U	72.9	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	83.6	U	83.6	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	83	U	83	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	87.1	U	87.1	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.9	U	89.9	140	180	ug/Kg
105-60-2	Caprolactam	130	U	130	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.3	U	88.3	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-11-CS-11	SDG No.:	BF080423
Lab Sample ID:	O3756-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134626.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	220	U	220	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.5	U	82.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.1	U	94.1	140	180	ug/Kg
92-52-4	1,1-Biphenyl	97.7	U	97.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.6	U	90.6	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	95.2	U	95.2	140	180	ug/Kg
208-96-8	Acenaphthylene	94.6	U	94.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.3	U	96.3	140	180	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	180	ug/Kg
83-32-9	Acenaphthene	86	U	86	140	180	ug/Kg
Total PAH	Total PAH	1529.3	U	1529.3	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	82.3	U	82.3	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	206.3	U	206.3	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	91.9	U	91.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.8	U	96.8	140	180	ug/Kg
86-73-7	Fluorene	90.8	U	90.8	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94	U	94	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.9	U	99.9	140	180	ug/Kg
103-33-3	Azobenzene	78.7	U	78.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	140	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	350	ug/Kg
85-01-8	Phenanthrene	99.2	U	99.2	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90.9	U	90.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-11-CS-11	SDG No.:	BF080423
Lab Sample ID:	O3756-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134626.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	290	350	ug/Kg
129-00-0	Pyrene	89.6	U	89.6	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	89.8	U	89.8	140	180	ug/Kg
218-01-9	Chrysene	92.9	U	92.9	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	J	86	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	94.3	U	94.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99	U	99	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.7	U	95.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88.7	U	88.7	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	96.5	U	96.5	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.214		18-112		54	SPK: -150
13127-88-3	Phenol-d6	79.274		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	61.208		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	62.323		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.282		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	46.995		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	184034	6.798				
1146-65-2	Naphthalene-d8	730466	8.075				
15067-26-2	Acenaphthene-d10	344780	9.828				
1517-22-2	Phenanthrene-d10	530697	11.316				
1719-03-5	Chrysene-d12	392837	13.963				
1520-96-3	Perylene-d12	408887	15.433				



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Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-11-CS-11	SDG No.:	BF080423
Lab Sample ID:	O3756-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134626.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	180	J			11.857	
000295-48-7	Cyclopentadecane	130	J			13.822	
007683-64-9	Supraene	160	J			14.839	

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-13-CS-13	SDG No.:	BF080423
Lab Sample ID:	O3756-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134627.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	83	U	83	290	350	ug/Kg
110-86-1	Pyridine	77.8	U	77.8	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	350	ug/Kg
62-53-3	Aniline	130	U	130	140	180	ug/Kg
108-95-2	Phenol	79.9	U	79.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.5	U	96.5	140	180	ug/Kg
95-57-8	2-Chlorophenol	77.3	U	77.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	87.8	U	87.8	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.1	U	95.1	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	88.5	U	88.5	140	180	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	350	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	93.1	U	93.1	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	63.4	U	63.4	85.9	85.9	ug/Kg
67-72-1	Hexachloroethane	79.1	U	79.1	140	180	ug/Kg
98-95-3	Nitrobenzene	80.8	U	80.8	140	180	ug/Kg
78-59-1	Isophorone	73.2	U	73.2	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	83.9	U	83.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	83.3	U	83.3	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	87.4	U	87.4	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	90.2	U	90.2	140	180	ug/Kg
105-60-2	Caprolactam	130	U	130	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.6	U	88.6	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-13-CS-13	SDG No.:	BF080423
Lab Sample ID:	O3756-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134627.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.8	U	82.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.4	U	94.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	98.1	U	98.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.9	U	90.9	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	95.5	U	95.5	140	180	ug/Kg
208-96-8	Acenaphthylene	95	U	95	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.7	U	96.7	140	180	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	180	ug/Kg
83-32-9	Acenaphthene	86.3	U	86.3	140	180	ug/Kg
Total PAH	Total PAH	1532.9	U	1532.9	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	82.6	U	82.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	206.7	U	206.7	140	360	ug/Kg
84-66-2	Diethylphthalate	92.3	U	92.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.1	U	97.1	140	180	ug/Kg
86-73-7	Fluorene	91.1	U	91.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	94.3	U	94.3	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	180	ug/Kg
103-33-3	Azobenzene	79	U	79	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	140	180	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	350	ug/Kg
85-01-8	Phenanthrene	150	J	99.6	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	91.2	U	91.2	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	260		100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-13-CS-13	SDG No.:	BF080423
Lab Sample ID:	O3756-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134627.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	290	350	ug/Kg
129-00-0	Pyrene	160	J	89.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	90.1	U	90.1	140	180	ug/Kg
218-01-9	Chrysene	93.2	U	93.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.3	U	86.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	94.6	U	94.6	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.4	U	99.4	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96	U	96	140	180	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	89.1	U	89.1	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	96.9	U	96.9	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.663		18-112		56	SPK: -150
13127-88-3	Phenol-d6	86.552		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	69.769		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	72.147		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.116		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	54.844		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	186332	6.798				
1146-65-2	Naphthalene-d8	710357	8.075				
15067-26-2	Acenaphthene-d10	321525	9.828				
1517-22-2	Phenanthrene-d10	464272	11.316				
1719-03-5	Chrysene-d12	408419	13.963				
1520-96-3	Perylene-d12	355475	15.433				



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

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-13-CS-13	SDG No.:	BF080423
Lab Sample ID:	O3756-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134627.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	200	J			11.857	
015594-90-8	1-Heneicosanol	210	J			13.821	

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	BERGENFIELD-SOIL-COMP	SDG No.:	BF080423
Lab Sample ID:	O3854-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134628.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.8	U	50.8	180	220	ug/Kg
110-86-1	Pyridine	47.6	U	47.6	85.4	110	ug/Kg
100-52-7	Benzaldehyde	97.3	U	97.3	180	220	ug/Kg
62-53-3	Aniline	76.9	U	76.9	85.4	110	ug/Kg
108-95-2	Phenol	48.9	U	48.9	85.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59	U	59	85.4	110	ug/Kg
95-57-8	2-Chlorophenol	47.3	U	47.3	85.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.7	U	53.7	85.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.2	U	58.2	85.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.1	U	54.1	85.4	110	ug/Kg
100-51-6	Benzyl Alcohol	64.9	U	64.9	180	220	ug/Kg
95-48-7	2-Methylphenol	74.9	U	74.9	85.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	69	U	69	85.4	110	ug/Kg
98-86-2	Acetophenone	57	U	57	85.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	71	U	71	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.8	U	38.8	52.6	52.6	ug/Kg
67-72-1	Hexachloroethane	48.4	U	48.4	85.4	110	ug/Kg
98-95-3	Nitrobenzene	49.4	U	49.4	85.4	110	ug/Kg
78-59-1	Isophorone	44.7	U	44.7	85.4	110	ug/Kg
88-75-5	2-Nitrophenol	62.5	U	62.5	85.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.4	U	65.4	85.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	73.6	U	73.6	85.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.3	U	51.3	85.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.9	U	50.9	85.4	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.5	U	53.5	85.4	110	ug/Kg
106-47-8	4-Chloroaniline	69	U	69	85.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.2	U	55.2	85.4	110	ug/Kg
105-60-2	Caprolactam	76.9	U	76.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.2	U	54.2	85.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.4	U	62.4	85.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	BERGENFIELD-SOIL-COMP	SDG No.:	BF080423
Lab Sample ID:	O3854-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134628.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.7	U	50.7	85.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.8	U	57.8	85.4	110	ug/Kg
92-52-4	1,1-Biphenyl	60	U	60	85.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.6	U	55.6	85.4	110	ug/Kg
88-74-4	2-Nitroaniline	65.3	U	65.3	85.4	110	ug/Kg
131-11-3	Dimethylphthalate	58.4	U	58.4	85.4	110	ug/Kg
208-96-8	Acenaphthylene	58.1	U	58.1	85.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.1	U	59.1	85.4	110	ug/Kg
99-09-2	3-Nitroaniline	61.4	U	61.4	85.4	110	ug/Kg
83-32-9	Acenaphthene	52.8	U	52.8	85.4	110	ug/Kg
Total PAH	Total PAH	944.3	U	944.3	85.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	74.9	U	74.9	180	220	ug/Kg
132-64-9	Dibenzofuran	50.5	U	50.5	85.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	124.7	U	124.7	85.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	65.6	U	65.6	85.4	110	ug/Kg
84-66-2	Diethylphthalate	56.4	U	56.4	85.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.4	U	59.4	85.4	110	ug/Kg
86-73-7	Fluorene	55.7	U	55.7	85.4	110	ug/Kg
100-01-6	4-Nitroaniline	68.3	U	68.3	85.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57.7	U	57.7	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.3	U	61.3	85.4	110	ug/Kg
103-33-3	Azobenzene	48.3	U	48.3	85.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64	U	64	85.4	110	ug/Kg
118-74-1	Hexachlorobenzene	64.9	U	64.9	85.4	110	ug/Kg
1912-24-9	Atrazine	62.7	U	62.7	85.4	110	ug/Kg
87-86-5	Pentachlorophenol	72.9	U	72.9	180	220	ug/Kg
85-01-8	Phenanthrene	60.9	U	60.9	85.4	110	ug/Kg
120-12-7	Anthracene	67	U	67	85.4	110	ug/Kg
86-74-8	Carbazole	55.8	U	55.8	85.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.3	U	68.3	85.4	110	ug/Kg
206-44-0	Fluoranthene	120		62	85.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	BERGENFIELD-SOIL-COMP	SDG No.:	BF080423
Lab Sample ID:	O3854-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134628.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	84.8	J	55	85.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	67.7	U	67.7	85.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	66.7	J	55.1	85.4	110	ug/Kg
218-01-9	Chrysene	67.1	J	57	85.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75.6	U	75.6	85.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	80.8	U	80.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	120		52.8	85.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.9	U	57.9	85.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	70.1	J	62	85.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.3	U	70.3	85.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.4	U	63.4	85.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60.8	U	60.8	85.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.7	U	58.7	85.4	110	ug/Kg
123-91-1	1,4-Dioxane	76.9	U	76.9	85.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.5	U	54.5	85.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.3	U	59.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.521		18-112		62	SPK: -150
13127-88-3	Phenol-d6	90.312		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	74.335		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	78.125		20-109		78	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.077		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	55.035		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	171806	6.798				
1146-65-2	Naphthalene-d8	650271	8.075				
15067-26-2	Acenaphthene-d10	284814	9.827				
1517-22-2	Phenanthrene-d10	416458	11.316				
1719-03-5	Chrysene-d12	380550	13.963				
1520-96-3	Perylene-d12	331293	15.433				



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Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	BERGENFIELD-SOIL-COMP	SDG No.:	BF080423
Lab Sample ID:	O3854-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134628.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

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

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-14-CS-14RE	SDG No.:	BF080423
Lab Sample ID:	O3756-10RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134629.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	82.1	U	82.1	290	350	ug/Kg
110-86-1	Pyridine	76.9	U	76.9	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	350	ug/Kg
62-53-3	Aniline	120	U	120	140	180	ug/Kg
108-95-2	Phenol	79	U	79	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.3	U	95.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	76.4	U	76.4	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	86.7	U	86.7	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	94	U	94	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	87.5	U	87.5	140	180	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	290	350	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	92.1	U	92.1	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.6	U	62.6	84.9	84.9	ug/Kg
67-72-1	Hexachloroethane	78.1	U	78.1	140	180	ug/Kg
98-95-3	Nitrobenzene	79.8	U	79.8	140	180	ug/Kg
78-59-1	Isophorone	72.3	U	72.3	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	82.9	U	82.9	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	82.3	U	82.3	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	86.4	U	86.4	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.2	U	89.2	140	180	ug/Kg
105-60-2	Caprolactam	120	U	120	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.6	U	87.6	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-14-CS-14RE	SDG No.:	BF080423
Lab Sample ID:	O3756-10RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134629.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	220	U	220	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.9	U	81.9	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.3	U	93.3	140	180	ug/Kg
92-52-4	1,1-Biphenyl	96.9	U	96.9	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.8	U	89.8	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	94.4	U	94.4	140	180	ug/Kg
208-96-8	Acenaphthylene	93.9	U	93.9	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.6	U	95.6	140	180	ug/Kg
99-09-2	3-Nitroaniline	99.2	U	99.2	140	180	ug/Kg
83-32-9	Acenaphthene	85.3	U	85.3	140	180	ug/Kg
Total PAH	Total PAH	1521.2	U	1521.2	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	81.7	U	81.7	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	205.6	U	205.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	91.2	U	91.2	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96	U	96	140	180	ug/Kg
86-73-7	Fluorene	90	U	90	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.2	U	93.2	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.1	U	99.1	140	180	ug/Kg
103-33-3	Azobenzene	78	U	78	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	140	180	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	350	ug/Kg
85-01-8	Phenanthrene	98.4	U	98.4	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90.1	U	90.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-14-CS-14RE	SDG No.:	BF080423
Lab Sample ID:	O3756-10RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134629.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	200	U	200	290	350	ug/Kg
129-00-0	Pyrene	88.9	U	88.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	89.1	U	89.1	140	180	ug/Kg
218-01-9	Chrysene	92.2	U	92.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.3	U	85.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	93.5	U	93.5	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.2	U	98.2	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.9	U	94.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	88	U	88	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	95.8	U	95.8	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	58.672		18-112		39	SPK: -150
13127-88-3	Phenol-d6	56.533		15-107		38	SPK: -150
4165-60-0	Nitrobenzene-d5	47.663		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	53.474		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	54.34		10-110		36	SPK: -150
1718-51-0	Terphenyl-d14	35.635		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	179105	6.798				
1146-65-2	Naphthalene-d8	650644	8.075				
15067-26-2	Acenaphthene-d10	262770	9.828				
1517-22-2	Phenanthrene-d10	391690	11.316				
1719-03-5	Chrysene-d12	405279	13.963				
1520-96-3	Perylene-d12	321201	15.433				



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Report of Analysis

Client:		Date Collected:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	RPTP-14-CS-14RE	SDG No.:	BF080423
Lab Sample ID:	O3756-10RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134629.D	1	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

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

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF080423
Lab Sample ID:	O3864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134630.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.7	U	50.7	180	220	ug/Kg
110-86-1	Pyridine	47.5	U	47.5	85.3	110	ug/Kg
100-52-7	Benzaldehyde	97.1	U	97.1	180	220	ug/Kg
62-53-3	Aniline	76.7	U	76.7	85.3	110	ug/Kg
108-95-2	Phenol	48.8	U	48.8	85.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.9	U	58.9	85.3	110	ug/Kg
95-57-8	2-Chlorophenol	47.2	U	47.2	85.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.6	U	53.6	85.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58	U	58	85.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54	U	54	85.3	110	ug/Kg
100-51-6	Benzyl Alcohol	64.8	U	64.8	180	220	ug/Kg
95-48-7	2-Methylphenol	74.8	U	74.8	85.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	68.9	U	68.9	85.3	110	ug/Kg
98-86-2	Acetophenone	56.9	U	56.9	85.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	70.8	U	70.8	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.7	U	38.7	52.5	52.5	ug/Kg
67-72-1	Hexachloroethane	48.3	U	48.3	85.3	110	ug/Kg
98-95-3	Nitrobenzene	49.3	U	49.3	85.3	110	ug/Kg
78-59-1	Isophorone	44.7	U	44.7	85.3	110	ug/Kg
88-75-5	2-Nitrophenol	62.4	U	62.4	85.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.3	U	65.3	85.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	73.5	U	73.5	85.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	85.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.8	U	50.8	85.3	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.4	U	53.4	85.3	110	ug/Kg
106-47-8	4-Chloroaniline	68.9	U	68.9	85.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.1	U	55.1	85.3	110	ug/Kg
105-60-2	Caprolactam	76.7	U	76.7	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.1	U	54.1	85.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.2	U	62.2	85.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF080423
Lab Sample ID:	O3864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134630.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.6	U	50.6	85.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.7	U	57.7	85.3	110	ug/Kg
92-52-4	1,1-Biphenyl	62.4	J	59.9	85.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.5	U	55.5	85.3	110	ug/Kg
88-74-4	2-Nitroaniline	65.1	U	65.1	85.3	110	ug/Kg
131-11-3	Dimethylphthalate	58.3	U	58.3	85.3	110	ug/Kg
208-96-8	Acenaphthylene	58	U	58	85.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59	U	59	85.3	110	ug/Kg
99-09-2	3-Nitroaniline	61.3	U	61.3	85.3	110	ug/Kg
83-32-9	Acenaphthene	52.7	U	52.7	85.3	110	ug/Kg
Total PAH	Total PAH	3050	U	942.7	85.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	74.8	U	74.8	180	220	ug/Kg
132-64-9	Dibenzofuran	50.4	U	50.4	85.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	65.5	U	65.5	85.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	24.5	U	124.5	85.3	220	ug/Kg
84-66-2	Diethylphthalate	56.3	U	56.3	85.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.3	U	59.3	85.3	110	ug/Kg
86-73-7	Fluorene	55.6	U	55.6	85.3	110	ug/Kg
100-01-6	4-Nitroaniline	68.2	U	68.2	85.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57.6	U	57.6	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.2	U	61.2	85.3	110	ug/Kg
103-33-3	Azobenzene	48.2	U	48.2	85.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.9	U	63.9	85.3	110	ug/Kg
118-74-1	Hexachlorobenzene	64.8	U	64.8	85.3	110	ug/Kg
1912-24-9	Atrazine	62.6	U	62.6	85.3	110	ug/Kg
87-86-5	Pentachlorophenol	72.8	U	72.8	180	220	ug/Kg
85-01-8	Phenanthrene	450		60.8	85.3	110	ug/Kg
120-12-7	Anthracene	66.9	U	66.9	85.3	110	ug/Kg
86-74-8	Carbazole	55.7	U	55.7	85.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.2	U	68.2	85.3	110	ug/Kg
206-44-0	Fluoranthene	670		61.9	85.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF080423
Lab Sample ID:	O3864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134630.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	230		54.9	85.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	67.6	U	67.6	85.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	260		55	85.3	110	ug/Kg
218-01-9	Chrysene	280		56.9	85.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75.4	U	75.4	85.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	80.7	U	80.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	420		52.7	85.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	57.8	85.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	270		61.9	85.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170		70.2	85.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.3	U	63.3	85.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	200		60.7	85.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.6	U	58.6	85.3	110	ug/Kg
123-91-1	1,4-Dioxane	76.7	U	76.7	85.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.4	U	54.4	85.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.2	U	59.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.022		18-112		50	SPK: -150
13127-88-3	Phenol-d6	71.926		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	61.309		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	114.193	*	20-109		114	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.106		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	32.224		14-112		32	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	174462	6.798				
1146-65-2	Naphthalene-d8	584517	8.075				
15067-26-2	Acenaphthene-d10	125769	9.857				
1517-22-2	Phenanthrene-d10	129029	11.398				
1719-03-5	Chrysene-d12	230009	14.033				
1520-96-3	Perylene-d12	290992	15.468				



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Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF080423
Lab Sample ID:	O3864-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.6
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134630.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
1000061-78-0	2,7-Octadiene, 4-methyl-	57.7	J			8.616	
1000435-24-0	1-{4-Propylbicyclo[2.2.2]octan-1-y	90.1	J			8.704	
	unknown8.822	77.8	J			8.822	
	unknown8.963	93.1	J			8.963	
	unknown9.034	51.6	J			9.034	
	unknown9.069	72.6	J			9.069	
017301-81-4	Strychnidin-10-one, 2,3-dimethoxy-	440	J			14.504	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	500-1A-1B	SDG No.:	BF080423
Lab Sample ID:	O3886-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134631.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.6	U	49.6	170	210	ug/Kg
110-86-1	Pyridine	46.5	U	46.5	83.5	110	ug/Kg
100-52-7	Benzaldehyde	95	U	95	170	210	ug/Kg
62-53-3	Aniline	75.1	U	75.1	83.5	110	ug/Kg
108-95-2	Phenol	47.8	U	47.8	83.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.7	U	57.7	83.5	110	ug/Kg
95-57-8	2-Chlorophenol	46.2	U	46.2	83.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.5	U	52.5	83.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.8	U	56.8	83.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.9	U	52.9	83.5	110	ug/Kg
100-51-6	Benzyl Alcohol	63.4	U	63.4	170	210	ug/Kg
95-48-7	2-Methylphenol	73.2	U	73.2	83.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.4	U	67.4	83.5	110	ug/Kg
98-86-2	Acetophenone	55.7	U	55.7	83.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	69.3	U	69.3	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.9	U	37.9	51.4	51.4	ug/Kg
67-72-1	Hexachloroethane	47.3	U	47.3	83.5	110	ug/Kg
98-95-3	Nitrobenzene	48.3	U	48.3	83.5	110	ug/Kg
78-59-1	Isophorone	43.7	U	43.7	83.5	110	ug/Kg
88-75-5	2-Nitrophenol	61.1	U	61.1	83.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63.9	U	63.9	83.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.9	U	71.9	83.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.1	U	50.1	83.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.8	U	49.8	83.5	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	52.3	U	52.3	83.5	110	ug/Kg
106-47-8	4-Chloroaniline	67.4	U	67.4	83.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.9	U	53.9	83.5	110	ug/Kg
105-60-2	Caprolactam	75.1	U	75.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53	U	53	83.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	60.9	U	60.9	83.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	500-1A-1B	SDG No.:	BF080423
Lab Sample ID:	O3886-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134631.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.5	U	49.5	83.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.4	U	56.4	83.5	110	ug/Kg
92-52-4	1,1-Biphenyl	58.6	U	58.6	83.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.3	U	54.3	83.5	110	ug/Kg
88-74-4	2-Nitroaniline	63.8	U	63.8	83.5	110	ug/Kg
131-11-3	Dimethylphthalate	57.1	U	57.1	83.5	110	ug/Kg
208-96-8	Acenaphthylene	56.8	U	56.8	83.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.8	U	57.8	83.5	110	ug/Kg
99-09-2	3-Nitroaniline	60	U	60	83.5	110	ug/Kg
83-32-9	Acenaphthene	51.6	U	51.6	83.5	110	ug/Kg
Total PAH	Total PAH	922.8	U	922.8	83.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.2	U	73.2	170	210	ug/Kg
132-64-9	Dibenzofuran	49.4	U	49.4	83.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	21.9	U	121.9	83.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.1	U	64.1	83.5	110	ug/Kg
84-66-2	Diethylphthalate	55.1	U	55.1	83.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58	U	58	83.5	110	ug/Kg
86-73-7	Fluorene	54.4	U	54.4	83.5	110	ug/Kg
100-01-6	4-Nitroaniline	66.8	U	66.8	83.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56.4	U	56.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.9	U	59.9	83.5	110	ug/Kg
103-33-3	Azobenzene	47.2	U	47.2	83.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.5	U	62.5	83.5	110	ug/Kg
118-74-1	Hexachlorobenzene	63.4	U	63.4	83.5	110	ug/Kg
1912-24-9	Atrazine	61.2	U	61.2	83.5	110	ug/Kg
87-86-5	Pentachlorophenol	71.3	U	71.3	170	210	ug/Kg
85-01-8	Phenanthrene	59.5	U	59.5	83.5	110	ug/Kg
120-12-7	Anthracene	65.5	U	65.5	83.5	110	ug/Kg
86-74-8	Carbazole	54.5	U	54.5	83.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	66.8	U	66.8	83.5	110	ug/Kg
206-44-0	Fluoranthene	60.6	U	60.6	83.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	500-1A-1B	SDG No.:	BF080423
Lab Sample ID:	O3886-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134631.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	53.7	U	53.7	83.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	66.1	U	66.1	83.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.9	U	53.9	83.5	110	ug/Kg
218-01-9	Chrysene	55.7	U	55.7	83.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.8	U	73.8	83.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	79	U	79	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.6	U	51.6	83.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.6	U	56.6	83.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.5	U	60.5	83.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68.7	U	68.7	83.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62	U	62	83.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59.4	U	59.4	83.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.4	U	57.4	83.5	110	ug/Kg
123-91-1	1,4-Dioxane	75.1	U	75.1	83.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.2	U	53.2	83.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.9	U	57.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.711		18-112		50	SPK: -150
13127-88-3	Phenol-d6	72.931		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	60.291		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	68.985		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	69.736		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	46.116		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	184258	6.798				
1146-65-2	Naphthalene-d8	674508	8.075				
15067-26-2	Acenaphthene-d10	273311	9.827				
1517-22-2	Phenanthrene-d10	399441	11.322				
1719-03-5	Chrysene-d12	412498	13.968				
1520-96-3	Perylene-d12	315865	15.433				



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	500-1A-1B	SDG No.:	BF080423
Lab Sample ID:	O3886-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134631.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	69.1	J			10.545	
000057-10-3	n-Hexadecanoic acid	120	J			11.857	
074685-30-6	5-Eicosene, (E)-	150	J			13.821	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP6	SDG No.:	BF080423
Lab Sample ID:	O3887-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.05 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
BF134632.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.8	U	49.8	170	210	ug/Kg
110-86-1	Pyridine	46.6	U	46.6	83.7	110	ug/Kg
100-52-7	Benzaldehyde	95.3	U	95.3	170	210	ug/Kg
62-53-3	Aniline	75.3	U	75.3	83.7	110	ug/Kg
108-95-2	Phenol	47.9	U	47.9	83.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.8	U	57.8	83.7	110	ug/Kg
95-57-8	2-Chlorophenol	46.4	U	46.4	83.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.6	U	52.6	83.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57	U	57	83.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.1	U	53.1	83.7	110	ug/Kg
100-51-6	Benzyl Alcohol	63.6	U	63.6	170	210	ug/Kg
95-48-7	2-Methylphenol	73.4	U	73.4	83.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.6	U	67.6	83.7	110	ug/Kg
98-86-2	Acetophenone	55.8	U	55.8	83.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	69.5	U	69.5	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38	U	38	51.5	51.5	ug/Kg
67-72-1	Hexachloroethane	47.4	U	47.4	83.7	110	ug/Kg
98-95-3	Nitrobenzene	48.4	U	48.4	83.7	110	ug/Kg
78-59-1	Isophorone	43.8	U	43.8	83.7	110	ug/Kg
88-75-5	2-Nitrophenol	61.2	U	61.2	83.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	64.1	U	64.1	83.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.1	U	72.1	83.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.3	U	50.3	83.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.9	U	49.9	83.7	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	52.4	U	52.4	83.7	110	ug/Kg
106-47-8	4-Chloroaniline	67.6	U	67.6	83.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.1	U	54.1	83.7	110	ug/Kg
105-60-2	Caprolactam	75.3	U	75.3	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.1	U	53.1	83.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	61.1	U	61.1	83.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP6	SDG No.:	BF080423
Lab Sample ID:	O3887-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.05 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
BF134632.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.6	U	49.6	83.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.6	U	56.6	83.7	110	ug/Kg
92-52-4	1,1-Biphenyl	58.8	U	58.8	83.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.5	U	54.5	83.7	110	ug/Kg
88-74-4	2-Nitroaniline	63.9	U	63.9	83.7	110	ug/Kg
131-11-3	Dimethylphthalate	57.2	U	57.2	83.7	110	ug/Kg
208-96-8	Acenaphthylene	56.9	U	56.9	83.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.9	U	57.9	83.7	110	ug/Kg
99-09-2	3-Nitroaniline	60.1	U	60.1	83.7	110	ug/Kg
83-32-9	Acenaphthene	51.7	U	51.7	83.7	110	ug/Kg
Total PAH	Total PAH	925.3	U	925.3	83.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.4	U	73.4	170	210	ug/Kg
132-64-9	Dibenzofuran	49.5	U	49.5	83.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.3	U	64.3	83.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	22.2	U	122.2	83.7	220	ug/Kg
84-66-2	Diethylphthalate	55.3	U	55.3	83.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.2	U	58.2	83.7	110	ug/Kg
86-73-7	Fluorene	54.6	U	54.6	83.7	110	ug/Kg
100-01-6	4-Nitroaniline	67	U	67	83.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56.5	U	56.5	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60.1	U	60.1	83.7	110	ug/Kg
103-33-3	Azobenzene	47.3	U	47.3	83.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.7	U	62.7	83.7	110	ug/Kg
118-74-1	Hexachlorobenzene	63.6	U	63.6	83.7	110	ug/Kg
1912-24-9	Atrazine	61.4	U	61.4	83.7	110	ug/Kg
87-86-5	Pentachlorophenol	71.5	U	71.5	170	210	ug/Kg
85-01-8	Phenanthrene	59.7	U	59.7	83.7	110	ug/Kg
120-12-7	Anthracene	65.7	U	65.7	83.7	110	ug/Kg
86-74-8	Carbazole	54.7	U	54.7	83.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	67	U	67	83.7	110	ug/Kg
206-44-0	Fluoranthene	60.8	U	60.8	83.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP6	SDG No.:	BF080423
Lab Sample ID:	O3887-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.05 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
BF134632.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	53.9	U	53.9	83.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	66.3	U	66.3	83.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	54	U	54	83.7	110	ug/Kg
218-01-9	Chrysene	55.9	U	55.9	83.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	74	U	74	83.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	79.2	U	79.2	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.7	U	51.7	83.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.7	U	56.7	83.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.7	U	60.7	83.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68.9	U	68.9	83.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.1	U	62.1	83.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59.6	U	59.6	83.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.6	U	57.6	83.7	110	ug/Kg
123-91-1	1,4-Dioxane	75.3	U	75.3	83.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.4	U	53.4	83.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	58.1	U	58.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.912		18-112		49	SPK: -150
13127-88-3	Phenol-d6	71.421		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	58.592		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	64.457		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.113		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	44.376		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	181781	6.798				
1146-65-2	Naphthalene-d8	680093	8.075				
15067-26-2	Acenaphthene-d10	283889	9.833				
1517-22-2	Phenanthrene-d10	421080	11.322				
1719-03-5	Chrysene-d12	407542	13.968				
1520-96-3	Perylene-d12	294347	15.433				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP6	SDG No.:	BF080423
Lab Sample ID:	O3887-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.05 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
BF134632.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000088-19-7	Benzenesulfonamide, 2-methyl-	74.3	J			10.475	
000119-61-9	Benzophenone	85	J			10.545	
000070-55-3	Benzenesulfonamide, 4-methyl-	260	J			10.675	
000057-10-3	n-Hexadecanoic acid	100	J			11.857	
000629-73-2	Cetene	120	J			13.821	
025973-55-1	Phenol, 2-(2H-benzotriazol-2-yl)-4	47.2	J			14.427	
000192-97-2	Benzo[e]pyrene	70	J			15.004	

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-19-(0-5)	SDG No.:	BF080423
Lab Sample ID:	O3840-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134633.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.3	U	87.3	300	370	ug/Kg
110-86-1	Pyridine	81.8	U	81.8	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	300	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	84	U	84	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.3	U	81.3	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.3	U	92.3	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	99.9	U	99.9	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.1	U	93.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	97.9	U	97.9	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	66.6	U	66.6	90.3	90.3	ug/Kg
67-72-1	Hexachloroethane	83.1	U	83.1	150	190	ug/Kg
98-95-3	Nitrobenzene	84.9	U	84.9	150	190	ug/Kg
78-59-1	Isophorone	76.9	U	76.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	88.2	U	88.2	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	87.5	U	87.5	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	91.9	U	91.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.9	U	94.9	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.2	U	93.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-19-(0-5)	SDG No.:	BF080423
Lab Sample ID:	O3840-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134633.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.1	U	87.1	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.3	U	99.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.5	U	95.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	99.8	U	99.8	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	90.7	U	90.7	150	190	ug/Kg
Total PAH	Total PAH	9270	U	1625.7	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	86.8	U	86.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
84-66-2	Diethylphthalate	97	U	97	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	95.8	U	95.8	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.2	U	99.2	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83	U	83	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	300	370	ug/Kg
85-01-8	Phenanthrene	590		100	150	190	ug/Kg
120-12-7	Anthracene	220		120	150	190	ug/Kg
86-74-8	Carbazole	95.9	U	95.9	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	2000		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-19-(0-5)	SDG No.:	BF080423
Lab Sample ID:	O3840-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134633.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	300	370	ug/Kg
129-00-0	Pyrene	1300		94.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	920		94.8	150	190	ug/Kg
218-01-9	Chrysene	800		98	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		90.7	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	370		99.5	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	860		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	420		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	J	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	460		100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.6	U	93.6	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	58.406		18-112		39	SPK: -150
13127-88-3	Phenol-d6	55.981		15-107		37	SPK: -150
4165-60-0	Nitrobenzene-d5	44.818		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	45.462		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	54.89		10-110		37	SPK: -150
1718-51-0	Terphenyl-d14	31.303		14-112		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	178398	6.798				
1146-65-2	Naphthalene-d8	659283	8.075				
15067-26-2	Acenaphthene-d10	264794	9.834				
1517-22-2	Phenanthrene-d10	411096	11.322				
1719-03-5	Chrysene-d12	401005	13.969				
1520-96-3	Perylene-d12	305864	15.439				

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-19-(0-5)	SDG No.:	BF080423
Lab Sample ID:	O3840-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134633.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	130	J			9.275	
002531-84-2	Phenanthrene, 2-methyl-	110	J			11.822	
000613-12-7	Anthracene, 2-methyl-	260	J			11.851	
000832-64-4	Phenanthrene, 4-methyl-	86.6	J			11.898	
000203-64-5	4H-Cyclopenta[def]phenanthrene	250	J			11.933	
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	81.7	J			11.957	
000612-94-2	Naphthalene, 2-phenyl-	120	J			12.122	
003674-65-5	Phenanthrene, 2,3-dimethyl-	120	J			12.374	
005737-13-3	Cyclopenta(def)phenanthrenone	91.1	J			12.457	
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	81.7	J			12.627	
000243-17-4	11H-Benzo[b]fluorene	99	J			13.092	
000238-84-6	11H-Benzo[a]fluorene	79.1	J			13.163	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	79.1	J			13.716	
027208-37-3	Cyclopenta[cd]pyrene	76	J			13.763	
074685-30-6	5-Eicosene, (E)-	89.6	J			13.816	
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	96	J			14.074	
000629-78-7	Heptadecane	140	J			14.769	
000192-97-2	Benzo[e]pyrene	230	J			15.116	
000205-82-3	Benzo[j]fluoranthene	610	J			15.31	
000629-62-9	Pentadecane	90.3	J			16.474	

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-5-(5-10)	SDG No.:	BF080423
Lab Sample ID:	O3840-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
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
BF134634.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	300	370	ug/Kg
110-86-1	Pyridine	81.2	U	81.2	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	300	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	83.5	U	83.5	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	80.8	U	80.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	91.7	U	91.7	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	99.3	U	99.3	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.4	U	92.4	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	97.3	U	97.3	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	66.2	U	66.2	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	82.6	U	82.6	150	190	ug/Kg
98-95-3	Nitrobenzene	84.4	U	84.4	150	190	ug/Kg
78-59-1	Isophorone	76.4	U	76.4	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	87.6	U	87.6	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	87	U	87	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	91.3	U	91.3	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.2	U	94.2	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	92.6	U	92.6	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-5-(5-10)	SDG No.:	BF080423
Lab Sample ID:	O3840-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
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
BF134634.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.5	U	86.5	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.6	U	98.6	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.9	U	94.9	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	99.7	U	99.7	150	190	ug/Kg
208-96-8	Acenaphthylene	99.2	U	99.2	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	90.1	U	90.1	150	190	ug/Kg
Total PAH	Total PAH	1610	U	1610	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	86.3	U	86.3	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
84-66-2	Diethylphthalate	96.4	U	96.4	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	95.1	U	95.1	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	98.5	U	98.5	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	150	190	ug/Kg
103-33-3	Azobenzene	82.5	U	82.5	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	370	ug/Kg
85-01-8	Phenanthrene	150	J	100	150	190	ug/Kg
120-12-7	Anthracene	110	U	110	150	190	ug/Kg
86-74-8	Carbazole	95.3	U	95.3	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	150	J	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-5-(5-10)	SDG No.:	BF080423
Lab Sample ID:	O3840-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
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
BF134634.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	300	370	ug/Kg
129-00-0	Pyrene	93.9	U	93.9	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	94.1	U	94.1	150	190	ug/Kg
218-01-9	Chrysene	97.4	U	97.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90.1	U	90.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	98.8	U	98.8	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93	U	93	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.251		18-112		49	SPK: -150
13127-88-3	Phenol-d6	71.767		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	56.342		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	59.326		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.682		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	41.421		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162784	6.798				
1146-65-2	Naphthalene-d8	602025	8.075				
15067-26-2	Acenaphthene-d10	240912	9.828				
1517-22-2	Phenanthrene-d10	359941	11.316				
1719-03-5	Chrysene-d12	370666	13.969				
1520-96-3	Perylene-d12	273386	15.433				



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

Report of Analysis

Client:		Date Collected:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	BUILDING-B-5-(5-10)	SDG No.:	BF080423
Lab Sample ID:	O3840-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.9
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134634.D	1	8/1/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	79.3	J			6.622	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	730	J			9.275	
000057-10-3	n-Hexadecanoic acid	190	J			11.857	
074685-30-6	5-Eicosene, (E)-	190	J			13.822	
000192-97-2	Benzo[e]pyrene	160	J			15.004	

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	SP-2B	SDG No.:	BF080423
Lab Sample ID:	O3860-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134635.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53.5	U	53.5	190	230	ug/Kg
110-86-1	Pyridine	50.1	U	50.1	89.9	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	80.9	U	80.9	89.9	120	ug/Kg
108-95-2	Phenol	51.5	U	51.5	89.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.1	U	62.1	89.9	120	ug/Kg
95-57-8	2-Chlorophenol	49.8	U	49.8	89.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.5	U	56.5	89.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.2	U	61.2	89.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57	U	57	89.9	120	ug/Kg
100-51-6	Benzyl Alcohol	68.3	U	68.3	190	230	ug/Kg
95-48-7	2-Methylphenol	78.9	U	78.9	89.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.6	U	72.6	89.9	120	ug/Kg
98-86-2	Acetophenone	60	U	60	89.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	74.7	U	74.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.8	U	40.8	55.3	55.3	ug/Kg
67-72-1	Hexachloroethane	50.9	U	50.9	89.9	120	ug/Kg
98-95-3	Nitrobenzene	52	U	52	89.9	120	ug/Kg
78-59-1	Isophorone	47.1	U	47.1	89.9	120	ug/Kg
88-75-5	2-Nitrophenol	65.8	U	65.8	89.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.9	U	68.9	89.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	77.5	U	77.5	89.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54	U	54	89.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.6	U	53.6	89.9	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	56.3	U	56.3	89.9	120	ug/Kg
106-47-8	4-Chloroaniline	72.6	U	72.6	89.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.1	U	58.1	89.9	120	ug/Kg
105-60-2	Caprolactam	80.9	U	80.9	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.1	U	57.1	89.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	65.6	U	65.6	89.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	SP-2B	SDG No.:	BF080423
Lab Sample ID:	O3860-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134635.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53.3	U	53.3	89.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.8	U	60.8	89.9	120	ug/Kg
92-52-4	1,1-Biphenyl	63.2	U	63.2	89.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.5	U	58.5	89.9	120	ug/Kg
88-74-4	2-Nitroaniline	68.7	U	68.7	89.9	120	ug/Kg
131-11-3	Dimethylphthalate	61.5	U	61.5	89.9	120	ug/Kg
208-96-8	Acenaphthylene	61.1	U	61.1	89.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	62.3	U	62.3	89.9	120	ug/Kg
99-09-2	3-Nitroaniline	64.6	U	64.6	89.9	120	ug/Kg
83-32-9	Acenaphthene	55.5	U	55.5	89.9	120	ug/Kg
Total PAH	Total PAH	3784.7	U	993.9	89.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	190	230	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	190	230	ug/Kg
132-64-9	Dibenzofuran	53.2	U	53.2	89.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	31.4	U	131.4	89.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	69.1	U	69.1	89.9	120	ug/Kg
84-66-2	Diethylphthalate	59.4	U	59.4	89.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.5	U	62.5	89.9	120	ug/Kg
86-73-7	Fluorene	58.7	U	58.7	89.9	120	ug/Kg
100-01-6	4-Nitroaniline	71.9	U	71.9	89.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.7	U	60.7	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64.5	U	64.5	89.9	120	ug/Kg
103-33-3	Azobenzene	50.8	U	50.8	89.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.4	U	67.4	89.9	120	ug/Kg
118-74-1	Hexachlorobenzene	68.3	U	68.3	89.9	120	ug/Kg
1912-24-9	Atrazine	66	U	66	89.9	120	ug/Kg
87-86-5	Pentachlorophenol	76.8	U	76.8	190	230	ug/Kg
85-01-8	Phenanthrene	190		64.1	89.9	120	ug/Kg
120-12-7	Anthracene	70.6	U	70.6	89.9	120	ug/Kg
86-74-8	Carbazole	58.7	U	58.7	89.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.9	U	71.9	89.9	120	ug/Kg
206-44-0	Fluoranthene	700		65.3	89.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	SP-2B	SDG No.:	BF080423
Lab Sample ID:	O3860-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134635.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	190	230	ug/Kg
129-00-0	Pyrene	400		57.9	89.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.2	U	71.2	89.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	330		58	89.9	120	ug/Kg
218-01-9	Chrysene	350		60	89.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	79.5	U	79.5	89.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	85.1	U	85.1	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	640		55.5	89.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	170		60.9	89.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	390		65.2	89.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260		74	89.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	74.7	J	66.8	89.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	280		64	89.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.8	U	61.8	89.9	120	ug/Kg
123-91-1	1,4-Dioxane	80.9	U	80.9	89.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.3	U	57.3	89.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.4	U	62.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	42.812		18-112		29	SPK: -150
13127-88-3	Phenol-d6	41.718		15-107		28	SPK: -150
4165-60-0	Nitrobenzene-d5	34.986		18-107		35	SPK: -100
321-60-8	2-Fluorobiphenyl	37.972		20-109		38	SPK: -100
118-79-6	2,4,6-Tribromophenol	42.455		10-110		28	SPK: -150
1718-51-0	Terphenyl-d14	26.092		14-112		26	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	317932	6.798				
1146-65-2	Naphthalene-d8	1135415	8.075				
15067-26-2	Acenaphthene-d10	451887	9.833				
1517-22-2	Phenanthrene-d10	744172	11.321				
1719-03-5	Chrysene-d12	720001	13.974				
1520-96-3	Perylene-d12	559571	15.439				

Report of Analysis

Client:		Date Collected:	8/1/2023 12:00:00 AM
Project:		Date Received:	8/1/2023 12:00:00 AM
Client Sample ID:	SP-2B	SDG No.:	BF080423
Lab Sample ID:	O3860-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134635.D	1	8/2/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154586

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	110	J			11.857	
000203-64-5	4H-Cyclopenta[def]phenanthrene	56	J			11.933	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	58.6	J			13.715	
016980-85-1	Pentacos-1-ene	62.5	J			13.821	
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	53.3	J			14.074	
007476-08-6	Benz(a)anthracene-7-carbonitrile	61.3	J			14.845	
000192-97-2	Benzo[e]pyrene	110	J			15.115	
000198-55-0	Perylene	340	J			15.309	
	unknown15.998	57.2	J			15.998	
000191-26-4	Dibenzo[def,mno]chrysene	47.7	J			17.603	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP7	SDG No.:	BF080423
Lab Sample ID:	O3887-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134636.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.3	U	49.3	170	210	ug/Kg
110-86-1	Pyridine	46.2	U	46.2	82.9	110	ug/Kg
100-52-7	Benzaldehyde	94.4	U	94.4	170	210	ug/Kg
62-53-3	Aniline	74.6	U	74.6	82.9	110	ug/Kg
108-95-2	Phenol	47.5	U	47.5	82.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.3	U	57.3	82.9	110	ug/Kg
95-57-8	2-Chlorophenol	45.9	U	45.9	82.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.1	U	52.1	82.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.4	U	56.4	82.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.6	U	52.6	82.9	110	ug/Kg
100-51-6	Benzyl Alcohol	63	U	63	170	210	ug/Kg
95-48-7	2-Methylphenol	72.7	U	72.7	82.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67	U	67	82.9	110	ug/Kg
98-86-2	Acetophenone	55.3	U	55.3	82.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	68.9	U	68.9	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.6	U	37.6	51	51	ug/Kg
67-72-1	Hexachloroethane	46.9	U	46.9	82.9	110	ug/Kg
98-95-3	Nitrobenzene	48	U	48	82.9	110	ug/Kg
78-59-1	Isophorone	43.4	U	43.4	82.9	110	ug/Kg
88-75-5	2-Nitrophenol	60.7	U	60.7	82.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63.5	U	63.5	82.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.4	U	71.4	82.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.8	U	49.8	82.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.4	U	49.4	82.9	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	51.9	U	51.9	82.9	110	ug/Kg
106-47-8	4-Chloroaniline	67	U	67	82.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.6	U	53.6	82.9	110	ug/Kg
105-60-2	Caprolactam	74.6	U	74.6	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.6	U	52.6	82.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	60.5	U	60.5	82.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP7	SDG No.:	BF080423
Lab Sample ID:	O3887-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134636.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.2	U	49.2	82.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.1	U	56.1	82.9	110	ug/Kg
92-52-4	1,1-Biphenyl	58.2	U	58.2	82.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	82.9	110	ug/Kg
88-74-4	2-Nitroaniline	63.3	U	63.3	82.9	110	ug/Kg
131-11-3	Dimethylphthalate	56.7	U	56.7	82.9	110	ug/Kg
208-96-8	Acenaphthylene	56.4	U	56.4	82.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.4	U	57.4	82.9	110	ug/Kg
99-09-2	3-Nitroaniline	59.6	U	59.6	82.9	110	ug/Kg
83-32-9	Acenaphthene	51.2	U	51.2	82.9	110	ug/Kg
Total PAH	Total PAH	916.6	U	916.6	82.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.7	U	72.7	170	210	ug/Kg
132-64-9	Dibenzofuran	49	U	49	82.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	21.1	U	121.1	82.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.7	U	63.7	82.9	110	ug/Kg
84-66-2	Diethylphthalate	54.8	U	54.8	82.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.7	U	57.7	82.9	110	ug/Kg
86-73-7	Fluorene	54.1	U	54.1	82.9	110	ug/Kg
100-01-6	4-Nitroaniline	66.3	U	66.3	82.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56	U	56	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.5	U	59.5	82.9	110	ug/Kg
103-33-3	Azobenzene	46.9	U	46.9	82.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.1	U	62.1	82.9	110	ug/Kg
118-74-1	Hexachlorobenzene	63	U	63	82.9	110	ug/Kg
1912-24-9	Atrazine	60.8	U	60.8	82.9	110	ug/Kg
87-86-5	Pentachlorophenol	70.8	U	70.8	170	210	ug/Kg
85-01-8	Phenanthrene	59.1	U	59.1	82.9	110	ug/Kg
120-12-7	Anthracene	65.1	U	65.1	82.9	110	ug/Kg
86-74-8	Carbazole	54.2	U	54.2	82.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	66.3	U	66.3	82.9	110	ug/Kg
206-44-0	Fluoranthene	60.2	U	60.2	82.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP7	SDG No.:	BF080423
Lab Sample ID:	O3887-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134636.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	53.4	U	53.4	82.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.7	U	65.7	82.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.5	U	53.5	82.9	110	ug/Kg
218-01-9	Chrysene	55.4	U	55.4	82.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.4	U	73.4	82.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	78.5	U	78.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.2	U	51.2	82.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.2	U	56.2	82.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.1	U	60.1	82.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68.2	U	68.2	82.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.6	U	61.6	82.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59	U	59	82.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	82.9	110	ug/Kg
123-91-1	1,4-Dioxane	74.6	U	74.6	82.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.9	U	52.9	82.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.5	U	57.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.634		18-112		49	SPK: -150
13127-88-3	Phenol-d6	71.344		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	57.827		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	61.925		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	70.343		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	42.427		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172507	6.798				
1146-65-2	Naphthalene-d8	628341	8.075				
15067-26-2	Acenaphthene-d10	250488	9.827				
1517-22-2	Phenanthrene-d10	399716	11.316				
1719-03-5	Chrysene-d12	410113	13.962				
1520-96-3	Perylene-d12	293943	15.433				



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP7	SDG No.:	BF080423
Lab Sample ID:	O3887-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134636.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	82.1	J			10.545	
000057-10-3	n-Hexadecanoic acid	120	J			11.857	
015594-90-8	1-Heneicosanol	110	J			13.821	

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP4	SDG No.:	BF080423
Lab Sample ID:	O3887-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134637.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.3	U	50.3	180	210	ug/Kg
110-86-1	Pyridine	47.1	U	47.1	84.6	110	ug/Kg
100-52-7	Benzaldehyde	96.3	U	96.3	180	210	ug/Kg
62-53-3	Aniline	76.1	U	76.1	84.6	110	ug/Kg
108-95-2	Phenol	48.4	U	48.4	84.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.4	U	58.4	84.6	110	ug/Kg
95-57-8	2-Chlorophenol	46.8	U	46.8	84.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.2	U	53.2	84.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.6	U	57.6	84.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.6	U	53.6	84.6	110	ug/Kg
100-51-6	Benzyl Alcohol	64.3	U	64.3	180	210	ug/Kg
95-48-7	2-Methylphenol	74.2	U	74.2	84.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	68.3	U	68.3	84.6	110	ug/Kg
98-86-2	Acetophenone	56.4	U	56.4	84.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	70.3	U	70.3	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.4	U	38.4	52	52	ug/Kg
67-72-1	Hexachloroethane	47.9	U	47.9	84.6	110	ug/Kg
98-95-3	Nitrobenzene	48.9	U	48.9	84.6	110	ug/Kg
78-59-1	Isophorone	44.3	U	44.3	84.6	110	ug/Kg
88-75-5	2-Nitrophenol	61.9	U	61.9	84.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	84.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.9	U	72.9	84.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.8	U	50.8	84.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.4	U	50.4	84.6	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	210	ug/Kg
91-20-3	Naphthalene	53	U	53	84.6	110	ug/Kg
106-47-8	4-Chloroaniline	68.3	U	68.3	84.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.6	U	54.6	84.6	110	ug/Kg
105-60-2	Caprolactam	76.1	U	76.1	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.7	U	53.7	84.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	61.7	U	61.7	84.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP4	SDG No.:	BF080423
Lab Sample ID:	O3887-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134637.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.2	U	50.2	84.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.2	U	57.2	84.6	110	ug/Kg
92-52-4	1,1-Biphenyl	59.4	U	59.4	84.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	55	U	55	84.6	110	ug/Kg
88-74-4	2-Nitroaniline	64.6	U	64.6	84.6	110	ug/Kg
131-11-3	Dimethylphthalate	57.8	U	57.8	84.6	110	ug/Kg
208-96-8	Acenaphthylene	57.5	U	57.5	84.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.5	U	58.5	84.6	110	ug/Kg
99-09-2	3-Nitroaniline	60.8	U	60.8	84.6	110	ug/Kg
83-32-9	Acenaphthene	52.2	U	52.2	84.6	110	ug/Kg
Total PAH	Total PAH	935	U	935	84.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	210	ug/Kg
100-02-7	4-Nitrophenol	74.2	U	74.2	180	210	ug/Kg
132-64-9	Dibenzofuran	50	U	50	84.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	123.5	U	123.5	84.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	65	U	65	84.6	110	ug/Kg
84-66-2	Diethylphthalate	55.9	U	55.9	84.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.8	U	58.8	84.6	110	ug/Kg
86-73-7	Fluorene	55.2	U	55.2	84.6	110	ug/Kg
100-01-6	4-Nitroaniline	67.7	U	67.7	84.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57.1	U	57.1	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60.7	U	60.7	84.6	110	ug/Kg
103-33-3	Azobenzene	47.8	U	47.8	84.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.4	U	63.4	84.6	110	ug/Kg
118-74-1	Hexachlorobenzene	64.3	U	64.3	84.6	110	ug/Kg
1912-24-9	Atrazine	62.1	U	62.1	84.6	110	ug/Kg
87-86-5	Pentachlorophenol	72.2	U	72.2	180	210	ug/Kg
85-01-8	Phenanthrene	60.3	U	60.3	84.6	110	ug/Kg
120-12-7	Anthracene	66.4	U	66.4	84.6	110	ug/Kg
86-74-8	Carbazole	55.2	U	55.2	84.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	67.7	U	67.7	84.6	110	ug/Kg
206-44-0	Fluoranthene	89.6	J	61.4	84.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP4	SDG No.:	BF080423
Lab Sample ID:	O3887-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134637.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	210	ug/Kg
129-00-0	Pyrene	61.8	J	54.5	84.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	67	U	67	84.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	54.6	U	54.6	84.6	110	ug/Kg
218-01-9	Chrysene	56.5	U	56.5	84.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	74.8	U	74.8	84.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	80	U	80	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.2	J	52.2	84.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	57.3	U	57.3	84.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	61.3	U	61.3	84.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	69.6	U	69.6	84.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.8	U	62.8	84.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60.2	U	60.2	84.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.2	U	58.2	84.6	110	ug/Kg
123-91-1	1,4-Dioxane	76.1	U	76.1	84.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.9	U	53.9	84.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	58.7	U	58.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.249		18-112		47	SPK: -150
13127-88-3	Phenol-d6	67.795		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	55.969		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	62.381		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	69.331		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	42.964		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	175375	6.798				
1146-65-2	Naphthalene-d8	632561	8.075				
15067-26-2	Acenaphthene-d10	250539	9.828				
1517-22-2	Phenanthrene-d10	405256	11.316				
1719-03-5	Chrysene-d12	400472	13.968				
1520-96-3	Perylene-d12	289345	15.433				



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP4	SDG No.:	BF080423
Lab Sample ID:	O3887-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134637.D	1	8/3/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	73.7	J			10.545	
000057-10-3	n-Hexadecanoic acid	110	J			11.857	
074685-30-6	5-Eicosene, (E)-	110	J			13.821	

Report of Analysis

Client:		Date Collected:	7/24/2023 12:00:00 AM
Project:		Date Received:	7/24/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-12-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-02DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134638.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2200	U	2200	7800	9500	ug/Kg
110-86-1	Pyridine	2100	U	2100	3700	4900	ug/Kg
100-52-7	Benzaldehyde	4200	U	4200	7800	9500	ug/Kg
62-53-3	Aniline	3400	U	3400	3700	4900	ug/Kg
108-95-2	Phenol	2100	U	2100	3700	4900	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2600	U	2600	3700	4900	ug/Kg
95-57-8	2-Chlorophenol	2100	U	2100	3700	4900	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300	U	2300	3700	4900	ug/Kg
541-73-1	1,3-Dichlorobenzene	2500	U	2500	3700	4900	ug/Kg
106-46-7	1,4-Dichlorobenzene	2400	U	2400	3700	4900	ug/Kg
100-51-6	Benzyl Alcohol	2800	U	2800	7800	9500	ug/Kg
95-48-7	2-Methylphenol	3300	U	3300	3700	4900	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3000	U	3000	3700	4900	ug/Kg
98-86-2	Acetophenone	2500	U	2500	3700	4900	ug/Kg
65794-96-9	3+4-Methylphenols	3100	U	3100	7800	9500	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700	U	1700	2300	2300	ug/Kg
67-72-1	Hexachloroethane	2100	U	2100	3700	4900	ug/Kg
98-95-3	Nitrobenzene	2200	U	2200	3700	4900	ug/Kg
78-59-1	Isophorone	2000	U	2000	3700	4900	ug/Kg
88-75-5	2-Nitrophenol	2700	U	2700	3700	4900	ug/Kg
105-67-9	2,4-Dimethylphenol	2900	U	2900	3700	4900	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	3200	U	3200	3700	4900	ug/Kg
120-83-2	2,4-Dichlorophenol	2200	U	2200	3700	4900	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2200	U	2200	3700	4900	ug/Kg
65-85-0	Benzoic acid	6100	U	6100	7800	9500	ug/Kg
91-20-3	Naphthalene	19900	D	2300	3700	4900	ug/Kg
106-47-8	4-Chloroaniline	3000	U	3000	3700	4900	ug/Kg
87-68-3	Hexachlorobutadiene	2400	U	2400	3700	4900	ug/Kg
105-60-2	Caprolactam	3400	U	3400	7800	9500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2400	U	2400	3700	4900	ug/Kg
91-57-6	2-Methylnaphthalene	12800	D	2700	3700	4900	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2023 12:00:00 AM
Project:		Date Received:	7/24/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-12-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-02DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134638.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	6000	U	6000	7800	9500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200	U	2200	3700	4900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2500	U	2500	3700	4900	ug/Kg
92-52-4	1,1-Biphenyl	4200	JD	2600	3700	4900	ug/Kg
91-58-7	2-Chloronaphthalene	2400	U	2400	3700	4900	ug/Kg
88-74-4	2-Nitroaniline	2900	U	2900	3700	4900	ug/Kg
131-11-3	Dimethylphthalate	2600	U	2600	3700	4900	ug/Kg
208-96-8	Acenaphthylene	8800	D	2500	3700	4900	ug/Kg
606-20-2	2,6-Dinitrotoluene	2600	U	2600	3700	4900	ug/Kg
99-09-2	3-Nitroaniline	2700	U	2700	3700	4900	ug/Kg
Total PAH	Total PAH	362200	D	41200	3700	78400	ug/Kg
83-32-9	Acenaphthene	10100	D	2300	3700	4900	ug/Kg
51-28-5	2,4-Dinitrophenol	5200	U	5200	7800	9500	ug/Kg
100-02-7	4-Nitrophenol	3300	U	3300	7800	9500	ug/Kg
132-64-9	Dibenzofuran	2800	JD	2200	3700	4900	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	6500	U	5500	3700	9800	ug/Kg
121-14-2	2,4-Dinitrotoluene	2900	U	2900	3700	4900	ug/Kg
84-66-2	Diethylphthalate	2500	U	2500	3700	4900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2600	U	2600	3700	4900	ug/Kg
86-73-7	Fluorene	18500	D	2400	3700	4900	ug/Kg
100-01-6	4-Nitroaniline	3000	U	3000	3700	4900	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500	U	2500	7800	9500	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2700	U	2700	3700	4900	ug/Kg
103-33-3	Azobenzene	2100	U	2100	3700	4900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2800	U	2800	3700	4900	ug/Kg
118-74-1	Hexachlorobenzene	2800	U	2800	3700	4900	ug/Kg
1912-24-9	Atrazine	2700	U	2700	3700	4900	ug/Kg
87-86-5	Pentachlorophenol	3200	U	3200	7800	9500	ug/Kg
85-01-8	Phenanthrene	54900	D	2700	3700	4900	ug/Kg
120-12-7	Anthracene	17300	D	2900	3700	4900	ug/Kg
86-74-8	Carbazole	2400	U	2400	3700	4900	ug/Kg
84-74-2	Di-n-butylphthalate	3000	U	3000	3700	4900	ug/Kg
206-44-0	Fluoranthene	47400	D	2700	3700	4900	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2023 12:00:00 AM
Project:		Date Received:	7/24/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-12-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-02DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134638.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	5500	U	5500	7800	9500	ug/Kg
129-00-0	Pyrene	49400	D	2400	3700	4900	ug/Kg
85-68-7	Butylbenzylphthalate	3000	U	3000	3700	4900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	4600	U	4600	7800	9500	ug/Kg
56-55-3	Benzo(a)anthracene	26300	D	2400	3700	4900	ug/Kg
218-01-9	Chrysene	25700	D	2500	3700	4900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3300	U	3300	3700	4900	ug/Kg
117-84-0	Di-n-octyl phthalate	3500	U	3500	7800	9500	ug/Kg
205-99-2	Benzo(b)fluoranthene	25300	D	2300	3700	4900	ug/Kg
207-08-9	Benzo(k)fluoranthene	7000	D	2500	3700	4900	ug/Kg
50-32-8	Benzo(a)pyrene	25900	D	2700	3700	4900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	9300	D	3100	3700	4900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4000	JD	2800	3700	4900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12400	D	2700	3700	4900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2600	U	2600	3700	4900	ug/Kg
123-91-1	1,4-Dioxane	3400	U	3400	3700	4900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2400	U	2400	3700	4900	ug/Kg
90-12-0	1-Methylnaphthalene	16200	D	2600	4900	4900	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.45		18-112		72	SPK: -150
13127-88-3	Phenol-d6	101.825		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	77.4		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	104.375		20-109		104	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.125		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	77.375		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154822	6.798				
1146-65-2	Naphthalene-d8	566264	8.075				
15067-26-2	Acenaphthene-d10	220399	9.827				
1517-22-2	Phenanthrene-d10	351797	11.321				
1719-03-5	Chrysene-d12	345086	13.968				
1520-96-3	Perylene-d12	259532	15.433				



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Report of Analysis

Client:		Date Collected:	7/24/2023 12:00:00 AM
Project:		Date Received:	7/24/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-12-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-02DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134638.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

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

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-8-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-03DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	10.05 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
BF134639.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	6700	U	6700	23500	28700	ug/Kg
110-86-1	Pyridine	6300	U	6300	11300	14800	ug/Kg
100-52-7	Benzaldehyde	12900	U	12900	23500	28700	ug/Kg
62-53-3	Aniline	10200	U	10200	11300	14800	ug/Kg
108-95-2	Phenol	6500	U	6500	11300	14800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	7800	U	7800	11300	14800	ug/Kg
95-57-8	2-Chlorophenol	6300	U	6300	11300	14800	ug/Kg
95-50-1	1,2-Dichlorobenzene	7100	U	7100	11300	14800	ug/Kg
541-73-1	1,3-Dichlorobenzene	7700	U	7700	11300	14800	ug/Kg
106-46-7	1,4-Dichlorobenzene	7200	U	7200	11300	14800	ug/Kg
100-51-6	Benzyl Alcohol	8600	U	8600	23500	28700	ug/Kg
95-48-7	2-Methylphenol	9900	U	9900	11300	14800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	9100	U	9100	11300	14800	ug/Kg
98-86-2	Acetophenone	7500	U	7500	11300	14800	ug/Kg
65794-96-9	3+4-Methylphenols	9400	U	9400	23500	28700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	5100	U	5100	7000	7000	ug/Kg
67-72-1	Hexachloroethane	6400	U	6400	11300	14800	ug/Kg
98-95-3	Nitrobenzene	6500	U	6500	11300	14800	ug/Kg
78-59-1	Isophorone	5900	U	5900	11300	14800	ug/Kg
88-75-5	2-Nitrophenol	8300	U	8300	11300	14800	ug/Kg
105-67-9	2,4-Dimethylphenol	8700	U	8700	11300	14800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	9700	U	9700	11300	14800	ug/Kg
120-83-2	2,4-Dichlorophenol	6800	U	6800	11300	14800	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6700	U	6700	11300	14800	ug/Kg
65-85-0	Benzoic acid	18600	U	18600	23500	28700	ug/Kg
91-20-3	Naphthalene	536000	ED	7100	11300	14800	ug/Kg
106-47-8	4-Chloroaniline	9100	U	9100	11300	14800	ug/Kg
87-68-3	Hexachlorobutadiene	7300	U	7300	11300	14800	ug/Kg
105-60-2	Caprolactam	10200	U	10200	23500	28700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	7200	U	7200	11300	14800	ug/Kg
91-57-6	2-Methylnaphthalene	329900	ED	8300	11300	14800	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-8-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-03DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	10.05 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
BF134639.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	18300	U	18300	23500	28700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	6700	U	6700	11300	14800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	7600	U	7600	11300	14800	ug/Kg
92-52-4	1,1-Biphenyl	104100	D	7900	11300	14800	ug/Kg
91-58-7	2-Chloronaphthalene	7400	U	7400	11300	14800	ug/Kg
88-74-4	2-Nitroaniline	8600	U	8600	11300	14800	ug/Kg
131-11-3	Dimethylphthalate	7700	U	7700	11300	14800	ug/Kg
208-96-8	Acenaphthylene	168400	D	7700	11300	14800	ug/Kg
606-20-2	2,6-Dinitrotoluene	7800	U	7800	11300	14800	ug/Kg
99-09-2	3-Nitroaniline	8100	U	8100	11300	14800	ug/Kg
83-32-9	Acenaphthene	27800	D	7000	11300	14800	ug/Kg
Total PAH	Total PAH	2491800	D	125100	11300	236800	ug/Kg
51-28-5	2,4-Dinitrophenol	15700	U	15700	23500	28700	ug/Kg
100-02-7	4-Nitrophenol	9900	U	9900	23500	28700	ug/Kg
132-64-9	Dibenzofuran	17200	D	6700	11300	14800	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	6500	U	16500	11300	29600	ug/Kg
121-14-2	2,4-Dinitrotoluene	8700	U	8700	11300	14800	ug/Kg
84-66-2	Diethylphthalate	7500	U	7500	11300	14800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	7900	U	7900	11300	14800	ug/Kg
86-73-7	Fluorene	174700	D	7400	11300	14800	ug/Kg
100-01-6	4-Nitroaniline	9000	U	9000	11300	14800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	7600	U	7600	23500	28700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	8100	U	8100	11300	14800	ug/Kg
103-33-3	Azobenzene	6400	U	6400	11300	14800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	8500	U	8500	11300	14800	ug/Kg
118-74-1	Hexachlorobenzene	8600	U	8600	11300	14800	ug/Kg
1912-24-9	Atrazine	8300	U	8300	11300	14800	ug/Kg
87-86-5	Pentachlorophenol	9700	U	9700	23500	28700	ug/Kg
85-01-8	Phenanthrene	434300	ED	8100	11300	14800	ug/Kg
120-12-7	Anthracene	133400	D	8900	11300	14800	ug/Kg
86-74-8	Carbazole	10700	JD	7400	11300	14800	ug/Kg
84-74-2	Di-n-butylphthalate	9000	U	9000	11300	14800	ug/Kg
206-44-0	Fluoranthene	207300	D	8200	11300	14800	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-8-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-03DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	10.05 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
BF134639.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	16800	U	16800	23500	28700	ug/Kg
129-00-0	Pyrene	231100	D	7300	11300	14800	ug/Kg
85-68-7	Butylbenzylphthalate	9000	U	9000	11300	14800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	14000	U	14000	23500	28700	ug/Kg
56-55-3	Benzo(a)anthracene	128400	D	7300	11300	14800	ug/Kg
218-01-9	Chrysene	110500	D	7500	11300	14800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	10000	U	10000	11300	14800	ug/Kg
117-84-0	Di-n-octyl phthalate	10700	U	10700	23500	28700	ug/Kg
205-99-2	Benzo(b)fluoranthene	97500	D	7000	11300	14800	ug/Kg
207-08-9	Benzo(k)fluoranthene	31800	D	7700	11300	14800	ug/Kg
50-32-8	Benzo(a)pyrene	114500	D	8200	11300	14800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34800	D	9300	11300	14800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13800	JD	8400	11300	14800	ug/Kg
191-24-2	Benzo(g,h,i)perylene	47500	D	8000	11300	14800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	7800	U	7800	11300	14800	ug/Kg
123-91-1	1,4-Dioxane	10200	U	10200	11300	14800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	7200	U	7200	11300	14800	ug/Kg
90-12-0	1-Methylnaphthalene	259900	ED	7800	14800	14800	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	42.975		18-112		29	SPK: -150
13127-88-3	Phenol-d6	43.125		15-107		29	SPK: -150
4165-60-0	Nitrobenzene-d5	38.2		18-107		38	SPK: -100
321-60-8	2-Fluorobiphenyl	46.875		20-109		47	SPK: -100
118-79-6	2,4,6-Tribromophenol	25.15		10-110		17	SPK: -150
1718-51-0	Terphenyl-d14	36.275		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151471	6.798				
1146-65-2	Naphthalene-d8	541203	8.081				
15067-26-2	Acenaphthene-d10	215793	9.828				
1517-22-2	Phenanthrene-d10	365249	11.322				
1719-03-5	Chrysene-d12	350191	13.974				
1520-96-3	Perylene-d12	262940	15.439				



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Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-8-(0-5)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-03DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	10.05	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
BF134639.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

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

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-6-(5-10)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134640.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2600	U	2600	9200	11200	ug/Kg
110-86-1	Pyridine	2500	U	2500	4400	5800	ug/Kg
100-52-7	Benzaldehyde	5000	U	5000	9200	11200	ug/Kg
62-53-3	Aniline	4000	U	4000	4400	5800	ug/Kg
108-95-2	Phenol	2500	U	2500	4400	5800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	3000	U	3000	4400	5800	ug/Kg
95-57-8	2-Chlorophenol	2400	U	2400	4400	5800	ug/Kg
95-50-1	1,2-Dichlorobenzene	2800	U	2800	4400	5800	ug/Kg
541-73-1	1,3-Dichlorobenzene	3000	U	3000	4400	5800	ug/Kg
106-46-7	1,4-Dichlorobenzene	2800	U	2800	4400	5800	ug/Kg
100-51-6	Benzyl Alcohol	3400	U	3400	9200	11200	ug/Kg
95-48-7	2-Methylphenol	3900	U	3900	4400	5800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3600	U	3600	4400	5800	ug/Kg
98-86-2	Acetophenone	2900	U	2900	4400	5800	ug/Kg
65794-96-9	3+4-Methylphenols	3700	U	3700	9200	11200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000	U	2000	2700	2700	ug/Kg
67-72-1	Hexachloroethane	2500	U	2500	4400	5800	ug/Kg
98-95-3	Nitrobenzene	2600	U	2600	4400	5800	ug/Kg
78-59-1	Isophorone	2300	U	2300	4400	5800	ug/Kg
88-75-5	2-Nitrophenol	3200	U	3200	4400	5800	ug/Kg
105-67-9	2,4-Dimethylphenol	3400	U	3400	4400	5800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	3800	U	3800	4400	5800	ug/Kg
120-83-2	2,4-Dichlorophenol	2700	U	2700	4400	5800	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2600	U	2600	4400	5800	ug/Kg
65-85-0	Benzoic acid	7300	U	7300	9200	11200	ug/Kg
91-20-3	Naphthalene	222100	ED	2800	4400	5800	ug/Kg
106-47-8	4-Chloroaniline	3600	U	3600	4400	5800	ug/Kg
87-68-3	Hexachlorobutadiene	2900	U	2900	4400	5800	ug/Kg
105-60-2	Caprolactam	4000	U	4000	9200	11200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2800	U	2800	4400	5800	ug/Kg
91-57-6	2-Methylnaphthalene	102700	ED	3200	4400	5800	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-6-(5-10)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134640.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	7100	U	7100	9200	11200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2600	U	2600	4400	5800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3000	U	3000	4400	5800	ug/Kg
92-52-4	1,1-Biphenyl	33100	D	3100	4400	5800	ug/Kg
91-58-7	2-Chloronaphthalene	2900	U	2900	4400	5800	ug/Kg
88-74-4	2-Nitroaniline	3400	U	3400	4400	5800	ug/Kg
131-11-3	Dimethylphthalate	3000	U	3000	4400	5800	ug/Kg
208-96-8	Acenaphthylene	43700	D	3000	4400	5800	ug/Kg
606-20-2	2,6-Dinitrotoluene	3100	U	3100	4400	5800	ug/Kg
99-09-2	3-Nitroaniline	3200	U	3200	4400	5800	ug/Kg
83-32-9	Acenaphthene	31300	D	2700	4400	5800	ug/Kg
Total PAH	Total PAH	1351400	D	48600	4400	92800	ug/Kg
51-28-5	2,4-Dinitrophenol	6100	U	6100	9200	11200	ug/Kg
100-02-7	4-Nitrophenol	3900	U	3900	9200	11200	ug/Kg
132-64-9	Dibenzofuran	20800	D	2600	4400	5800	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	6500	U	6500	4400	11600	ug/Kg
121-14-2	2,4-Dinitrotoluene	3400	U	3400	4400	5800	ug/Kg
84-66-2	Diethylphthalate	2900	U	2900	4400	5800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	3100	U	3100	4400	5800	ug/Kg
86-73-7	Fluorene	69200	D	2900	4400	5800	ug/Kg
100-01-6	4-Nitroaniline	3500	U	3500	4400	5800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3000	U	3000	9200	11200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	3200	U	3200	4400	5800	ug/Kg
103-33-3	Azobenzene	2500	U	2500	4400	5800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3300	U	3300	4400	5800	ug/Kg
118-74-1	Hexachlorobenzene	3400	U	3400	4400	5800	ug/Kg
1912-24-9	Atrazine	3200	U	3200	4400	5800	ug/Kg
87-86-5	Pentachlorophenol	3800	U	3800	9200	11200	ug/Kg
85-01-8	Phenanthrene	190900	ED	3100	4400	5800	ug/Kg
120-12-7	Anthracene	70300	D	3500	4400	5800	ug/Kg
86-74-8	Carbazole	23400	D	2900	4400	5800	ug/Kg
84-74-2	Di-n-butylphthalate	3500	U	3500	4400	5800	ug/Kg
206-44-0	Fluoranthene	160300	ED	3200	4400	5800	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-6-(5-10)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134640.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6600	U	6600	9200	11200	ug/Kg
129-00-0	Pyrene	123700	ED	2800	4400	5800	ug/Kg
85-68-7	Butylbenzylphthalate	3500	U	3500	4400	5800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	5500	U	5500	9200	11200	ug/Kg
56-55-3	Benzo(a)anthracene	86300	D	2800	4400	5800	ug/Kg
218-01-9	Chrysene	74400	D	2900	4400	5800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3900	U	3900	4400	5800	ug/Kg
117-84-0	Di-n-octyl phthalate	4200	U	4200	9200	11200	ug/Kg
205-99-2	Benzo(b)fluoranthene	93700	ED	2700	4400	5800	ug/Kg
207-08-9	Benzo(k)fluoranthene	28700	D	3000	4400	5800	ug/Kg
50-32-8	Benzo(a)pyrene	75100	D	3200	4400	5800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32800	D	3600	4400	5800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	11300	D	3300	4400	5800	ug/Kg
191-24-2	Benzo(g,h,i)perylene	37600	D	3100	4400	5800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3000	U	3000	4400	5800	ug/Kg
123-91-1	1,4-Dioxane	4000	U	4000	4400	5800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2800	U	2800	4400	5800	ug/Kg
90-12-0	1-Methylnaphthalene	82000	D	3100	5800	5800	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.25		18-112		65	SPK: -150
13127-88-3	Phenol-d6	100.375		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	71.75		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	93.225		20-109		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	65.175		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	76.725		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	163797	6.798				
1146-65-2	Naphthalene-d8	572414	8.081				
15067-26-2	Acenaphthene-d10	226426	9.833				
1517-22-2	Phenanthrene-d10	367884	11.322				
1719-03-5	Chrysene-d12	333131	13.974				
1520-96-3	Perylene-d12	264497	15.439				



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Report of Analysis

Client:		Date Collected:	7/25/2023 12:00:00 AM
Project:		Date Received:	7/25/2023 12:00:00 AM
Client Sample ID:	BUILDING-A-6-(5-10)DL	SDG No.:	BF080423
Lab Sample ID:	O3775-04DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134640.D	25	7/27/2023 12:00:00 AM	8/4/2023 12:00:00 AM	PB154462

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

SW-846

SDG No.: BF080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB-28-0-2-20230721								
O3686-16	SB-28-0-2-20230721	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	430.000	J			
O3686-16	SB-28-0-2-20230721	Solid	6a,12a-Dihydro-6H-(1,3)dioxolo(*	250.000	J			
O3686-16	SB-28-0-2-20230721	Solid	Dichloroacetic acid, heptadecyl es *	250.000	J			
O3686-16	SB-28-0-2-20230721	Solid	Docosane, 11-butyl- *	270.000	J			
O3686-16	SB-28-0-2-20230721	Solid	n-Hexadecanoic acid *	530.000	J			
O3686-16	SB-28-0-2-20230721	Solid	Octacosane *	170.000	J			
O3686-16	SB-28-0-2-20230721	Solid	Octadecanoic acid *	340.000	J			
			Total Tics :	2,240.00				
O3686-16	SB-28-0-2-20230721	Solid	Fluoranthene	120.000	J	110	190	ug/Kg
O3686-16	SB-28-0-2-20230721	Solid	Pyrene	110.000	J	94.9	190	ug/Kg
			Total Svoc :	230.00				
			Total Concentration:	2,470.00				
Client ID : RPTP-11-CS-11								
O3756-01	RPTP-11-CS-11	Solid	Cyclopentadecane *	130.000	J			
O3756-01	RPTP-11-CS-11	Solid	n-Hexadecanoic acid *	180.000	J			
O3756-01	RPTP-11-CS-11	Solid	Supraene *	160.000	J			
			Total Tics :	470.00				
O3756-01	RPTP-11-CS-11	Solid	Benzo(b)fluoranthene	100.000	J	86	180	ug/Kg
			Total Svoc :	100.00				
			Total Concentration:	570.00				
Client ID : RPTP-10-CS-10								
O3756-04	RPTP-10-CS-10	Solid	n-Hexadecanoic acid *	190.000	J			
O3756-04	RPTP-10-CS-10	Solid	Trichloroacetic acid, hexadecyl es *	150.000	J			
			Total Tics :	340.00				
			Total Concentration:	340.00				
Client ID : RPTP-9-CS-9								
O3756-07	RPTP-9-CS-9	Solid	1-Hexacosene *	120.000	J			
O3756-07	RPTP-9-CS-9	Solid	n-Hexadecanoic acid *	130.000	J			
			Total Tics :	250.00				
			Total Concentration:	250.00				
Client ID : RPTP-13-CS-13								
O3756-13	RPTP-13-CS-13	Solid	1-Heneicosanol *	210.000	J			
O3756-13	RPTP-13-CS-13	Solid	n-Hexadecanoic acid *	200.000	J			
			Total Tics :	410.00				
O3756-13	RPTP-13-CS-13	Solid	Fluoranthene	260.000		100	180	ug/Kg
O3756-13	RPTP-13-CS-13	Solid	Phenanthrene	150.000	J	99.6	180	ug/Kg
O3756-13	RPTP-13-CS-13	Solid	Pyrene	160.000	J	89.9	180	ug/Kg
			Total Svoc :	570.00				

Hit Summary Sheet SW-846

SDG No.: BF080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	980.00				
Client ID :	BUILDING-A-12-(0-5)DL							
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	1,1-Biphenyl	4,200.000	JD	2600	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	1-Methylnaphthalene	16,200.000	D	2600	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	2-Methylnaphthalene	12,800.000	D	2700	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Acenaphthene	10,100.000	D	2300	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Acenaphthylene	8,800.000	D	2500	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Anthracene	17,300.000	D	2900	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Benzo(a)anthracene	26,300.000	D	2400	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Benzo(a)pyrene	25,900.000	D	2700	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Benzo(b)fluoranthene	25,300.000	D	2300	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Benzo(g,h,i)perylene	12,400.000	D	2700	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Benzo(k)fluoranthene	7,000.000	D	2500	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Chrysene	25,700.000	D	2500	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Dibenzo(a,h)anthracene	4,000.000	JD	2800	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Dibenzofuran	2,800.000	JD	2200	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Fluoranthene	47,400.000	D	2700	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Fluorene	18,500.000	D	2400	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Indeno(1,2,3-cd)pyrene	9,300.000	D	3100	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Naphthalene	19,900.000	D	2300	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Phenanthrene	54,900.000	D	2700	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Pyrene	49,400.000	D	2400	4900	ug/Kg
O3775-02DL	BUILDING-A-12-(0-5)D	Solid	Total PAH	362,200.000	D	41200	78400	ug/Kg
			Total Svoc :	760,400.00				
			Total Concentration:	760,400.00				
Client ID :	BUILDING-A-8-(0-5)DL							
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	1,1-Biphenyl	104,100.000	D	7900	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	1-Methylnaphthalene	259,900.000	ED	7800	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	2-Methylnaphthalene	329,900.000	ED	8300	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Acenaphthene	27,800.000	D	7000	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Acenaphthylene	168,400.000	D	7700	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Anthracene	133,400.000	D	8900	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Benzo(a)anthracene	128,400.000	D	7300	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Benzo(a)pyrene	114,500.000	D	8200	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Benzo(b)fluoranthene	97,500.000	D	7000	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Benzo(g,h,i)perylene	47,500.000	D	8000	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Benzo(k)fluoranthene	31,800.000	D	7700	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Carbazole	10,700.000	JD	7400	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Chrysene	110,500.000	D	7500	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Dibenzo(a,h)anthracene	13,800.000	JD	8400	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Dibenzofuran	17,200.000	D	6700	14800	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Fluoranthene	207,300.000	D	8200	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Fluorene	174,700.000	D	7400	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Indeno(1,2,3-cd)pyrene	34,800.000	D	9300	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Naphthalene	536,000.000	ED	7100	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Phenanthrene	434,300.000	ED	8100	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Pyrene	231,100.000	D	7300	14800	ug/Kg
O3775-03DL	BUILDING-A-8-(0-5)DL	Solid	Total PAH	2,491,800.000	D	125100	236800	ug/Kg
Total Svoc :				5,705,400.00				
Total Concentration:				5,705,400.00				
Client ID : BUILDING-A-6-(5-10)DL								
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	1,1-Biphenyl	33,100.000	D	3100	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	1-Methylnaphthalene	82,000.000	D	3100	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	2-Methylnaphthalene	102,700.000	ED	3200	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Acenaphthene	31,300.000	D	2700	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Acenaphthylene	43,700.000	D	3000	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Anthracene	70,300.000	D	3500	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Benzo(a)anthracene	86,300.000	D	2800	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Benzo(a)pyrene	75,100.000	D	3200	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Benzo(b)fluoranthene	93,700.000	ED	2700	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Benzo(g,h,i)perylene	37,600.000	D	3100	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Benzo(k)fluoranthene	28,700.000	D	3000	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Carbazole	23,400.000	D	2900	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Chrysene	74,400.000	D	2900	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Dibenzo(a,h)anthracene	11,300.000	D	3300	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Dibenzofuran	20,800.000	D	2600	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Fluoranthene	160,300.000	ED	3200	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Fluorene	69,200.000	D	2900	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Indeno(1,2,3-cd)pyrene	32,800.000	D	3600	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Naphthalene	222,100.000	ED	2800	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Phenanthrene	190,900.000	ED	3100	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Pyrene	123,700.000	ED	2800	5800	ug/Kg
O3775-04DL	BUILDING-A-6-(5-10)D	Solid	Total PAH	1,351,400.000	D	48600	92800	ug/Kg
Total Svoc :				2,964,800.00				
Total Concentration:				2,964,800.00				
Client ID : BUILDING-B-5-(5-10)								
O3840-02	BUILDING-B-5-(5-10)	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	730.000	J			
O3840-02	BUILDING-B-5-(5-10)	Solid	5-Eicosene, (E)- *	190.000	J			
O3840-02	BUILDING-B-5-(5-10)	Solid	Benzo[e]pyrene *	160.000	J			
O3840-02	BUILDING-B-5-(5-10)	Solid	Ethanol, 2-(2-ethoxyethoxy)- *	79.300	J			
O3840-02	BUILDING-B-5-(5-10)	Solid	n-Hexadecanoic acid *	190.000	J			
Total Tics :				1,349.30				

Hit Summary Sheet SW-846

SDG No.: BF080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3840-02	BUILDING-B-5-(5-10)	Solid	Fluoranthene	150.000	J	110	190	ug/Kg
O3840-02	BUILDING-B-5-(5-10)	Solid	Phenanthrene	150.000	J	100	190	ug/Kg
Total Svoc :				300.00				
Total Concentration:				1,649.30				
Client ID : BUILDING-B-19-(0-5)								
O3840-03	BUILDING-B-19-(0-5)	Solid	11H-Benzo[a]fluorene	*	79.100	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	11H-Benzo[b]fluorene	*	99.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	1H-Cyclopropa[l]phenanthrene,1a	*	81.700	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	130.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	4H-Cyclopenta[def]phenanthrene	*	250.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	5-Eicosene, (E)-	*	89.600	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Anthracene, 2-methyl-	*	260.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	81.700	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	79.100	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo[e]pyrene	*	230.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo[j]fluoranthene	*	610.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Cyclopenta(cd)pyrene, 3,4-dihydr	*	96.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Cyclopenta(def)phenanthrenone	*	91.100	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Cyclopenta[cd]pyrene	*	76.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Heptadecane	*	140.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Naphthalene, 2-phenyl-	*	120.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Pentadecane	*	90.300	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Phenanthrene, 2,3-dimethyl-	*	120.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Phenanthrene, 2-methyl-	*	110.000	J		
O3840-03	BUILDING-B-19-(0-5)	Solid	Phenanthrene, 4-methyl-	*	86.600	J		
Total Tics :				2,920.20				
O3840-03	BUILDING-B-19-(0-5)	Solid	Anthracene		220.000	120	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo(a)anthracene		920.000	94.8	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo(a)pyrene		860.000	110	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo(b)fluoranthene		1,200.000	90.7	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo(g,h,i)perylene		460.000	100	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Benzo(k)fluoranthene		370.000	99.5	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Chrysene		800.000	98	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Dibenzo(a,h)anthracene		130.000	J 110	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Fluoranthene		2,000.000	110	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Indeno(1,2,3-cd)pyrene		420.000	120	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Phenanthrene		590.000	100	190	ug/Kg
O3840-03	BUILDING-B-19-(0-5)	Solid	Pyrene		1,300.000	94.5	190	ug/Kg
Total Svoc :				9,270.00				
Total Concentration:				12,190.20				

Client ID : BERGENFIELD-SOIL-COMPRE

Hit Summary Sheet SW-846

SDG No.: BF080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3854-01RE	BERGENFIELD-SOIL-C	Solid	Benzo(a)anthracene	66.700	J	55.1	110	ug/Kg
O3854-01RE	BERGENFIELD-SOIL-C	Solid	Benzo(a)pyrene	70.100	J	62	110	ug/Kg
O3854-01RE	BERGENFIELD-SOIL-C	Solid	Benzo(b)fluoranthene	120.000		52.8	110	ug/Kg
O3854-01RE	BERGENFIELD-SOIL-C	Solid	Chrysene	67.100	J	57	110	ug/Kg
O3854-01RE	BERGENFIELD-SOIL-C	Solid	Fluoranthene	120.000		62	110	ug/Kg
O3854-01RE	BERGENFIELD-SOIL-C	Solid	Pyrene	84.800	J	55	110	ug/Kg
Total Svoc :				528.70				
Total Concentration:				528.70				
Client ID : SP-2B								
O3860-05	SP-2B	Solid	4H-Cyclopenta[def]phenanthrene *	56.000	J			
O3860-05	SP-2B	Solid	Benz(a)anthracene-7-carbonitrile *	61.300	J			
O3860-05	SP-2B	Solid	Benzo[b]naphtho[2,1-d]thiophene *	58.600	J			
O3860-05	SP-2B	Solid	Benzo[e]pyrene *	110.000	J			
O3860-05	SP-2B	Solid	Cyclopenta(cd)pyrene, 3,4-dihydr *	53.300	J			
O3860-05	SP-2B	Solid	Dibenzo[def,mno]chrysene *	47.700	J			
O3860-05	SP-2B	Solid	n-Hexadecanoic acid *	110.000	J			
O3860-05	SP-2B	Solid	Pentacos-1-ene *	62.500	J			
O3860-05	SP-2B	Solid	Perylene *	340.000	J			
O3860-05	SP-2B	Solid	unknown15.998 *	57.200	J			
Total Tics :				956.60				
O3860-05	SP-2B	Solid	Benzo(a)anthracene	330.000		58	120	ug/Kg
O3860-05	SP-2B	Solid	Benzo(a)pyrene	390.000		65.2	120	ug/Kg
O3860-05	SP-2B	Solid	Benzo(b)fluoranthene	640.000		55.5	120	ug/Kg
O3860-05	SP-2B	Solid	Benzo(g,h,i)perylene	280.000		64	120	ug/Kg
O3860-05	SP-2B	Solid	Benzo(k)fluoranthene	170.000		60.9	120	ug/Kg
O3860-05	SP-2B	Solid	Chrysene	350.000		60	120	ug/Kg
O3860-05	SP-2B	Solid	Dibenzo(a,h)anthracene	74.700	J	66.8	120	ug/Kg
O3860-05	SP-2B	Solid	Fluoranthene	700.000		65.3	120	ug/Kg
O3860-05	SP-2B	Solid	Indeno(1,2,3-cd)pyrene	260.000		74	120	ug/Kg
O3860-05	SP-2B	Solid	Phenanthrene	190.000		64.1	120	ug/Kg
O3860-05	SP-2B	Solid	Pyrene	400.000		57.9	120	ug/Kg
Total Svoc :				3,784.70				
Total Concentration:				4,741.30				
Client ID : WC-1								
O3864-01	WC-1	Solid	1-{4-Propylbicyclo[2.2.2]octan-1- *	90.100	J			
O3864-01	WC-1	Solid	2,7-Octadiene, 4-methyl- *	57.700	J			
O3864-01	WC-1	Solid	Strychnidin-10-one, 2,3-dimethox *	440.000	J			
O3864-01	WC-1	Solid	unknown8.822 *	77.800	J			
O3864-01	WC-1	Solid	unknown8.963 *	93.100	J			
O3864-01	WC-1	Solid	unknown9.034 *	51.600	J			
O3864-01	WC-1	Solid	unknown9.069 *	72.600	J			

Hit Summary Sheet SW-846

SDG No.: BF080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	882.90				
O3864-01	WC-1	Solid	1,1-Biphenyl	62.400	J	59.9	110	ug/Kg
O3864-01	WC-1	Solid	Benzo(a)anthracene	260.000		55	110	ug/Kg
O3864-01	WC-1	Solid	Benzo(a)pyrene	270.000		61.9	110	ug/Kg
O3864-01	WC-1	Solid	Benzo(b)fluoranthene	420.000		52.7	110	ug/Kg
O3864-01	WC-1	Solid	Benzo(g,h,i)perylene	200.000		60.7	110	ug/Kg
O3864-01	WC-1	Solid	Benzo(k)fluoranthene	100.000	J	57.8	110	ug/Kg
O3864-01	WC-1	Solid	Chrysene	280.000		56.9	110	ug/Kg
O3864-01	WC-1	Solid	Fluoranthene	670.000		61.9	110	ug/Kg
O3864-01	WC-1	Solid	Indeno(1,2,3-cd)pyrene	170.000		70.2	110	ug/Kg
O3864-01	WC-1	Solid	Phenanthrene	450.000		60.8	110	ug/Kg
O3864-01	WC-1	Solid	Pyrene	230.000		54.9	110	ug/Kg
			Total Svoc :	3,112.40				
			Total Concentration:	3,995.30				
Client ID : 500-1A-1B								
O3886-01	500-1A-1B	Solid	5-Eicosene, (E)-	*	150.000	J		
O3886-01	500-1A-1B	Solid	Benzophenone	*	69.100	J		
O3886-01	500-1A-1B	Solid	n-Hexadecanoic acid	*	120.000	J		
			Total Tics :	339.10				
			Total Concentration:	339.10				
Client ID : MCLEAN-TP6								
O3887-01	MCLEAN-TP6	Solid	Benzenesulfonamide, 2-methyl-	*	74.300	J		
O3887-01	MCLEAN-TP6	Solid	Benzenesulfonamide, 4-methyl-	*	260.000	J		
O3887-01	MCLEAN-TP6	Solid	Benzo[e]pyrene	*	70.000	J		
O3887-01	MCLEAN-TP6	Solid	Benzophenone	*	85.000	J		
O3887-01	MCLEAN-TP6	Solid	Cetene	*	120.000	J		
O3887-01	MCLEAN-TP6	Solid	n-Hexadecanoic acid	*	100.000	J		
O3887-01	MCLEAN-TP6	Solid	Phenol, 2-(2H-benzotriazol-2-yl)-	*	47.200	J		
			Total Tics :	756.50				
			Total Concentration:	756.50				
Client ID : MCLEAN-TP7								
O3887-04	MCLEAN-TP7	Solid	1-Heneicosanol	*	110.000	J		
O3887-04	MCLEAN-TP7	Solid	Benzophenone	*	82.100	J		
O3887-04	MCLEAN-TP7	Solid	n-Hexadecanoic acid	*	120.000	J		
			Total Tics :	312.10				
			Total Concentration:	312.10				
Client ID : MCLEAN-TP4								
O3887-07	MCLEAN-TP4	Solid	5-Eicosene, (E)-	*	110.000	J		
O3887-07	MCLEAN-TP4	Solid	Benzophenone	*	73.700	J		
O3887-07	MCLEAN-TP4	Solid	n-Hexadecanoic acid	*	110.000	J		
			Total Tics :	293.70				



Hit Summary Sheet
SW-846

SDG No.: BF080423

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3887-07	MCLEAN-TP4	Solid	Benzo(b)fluoranthene	57.200	J	52.2	110	ug/Kg
O3887-07	MCLEAN-TP4	Solid	Fluoranthene	89.600	J	61.4	110	ug/Kg
O3887-07	MCLEAN-TP4	Solid	Pyrene	61.800	J	54.5	110	ug/Kg
Total Svoc :				208.60				
Total Concentration:				502.30				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF080123

SAS No.: BF080123

SDG No.: BF080123

Instrument ID:

Calibration Date(s): 8/1/2023 1:

Calibration Time(s): 07:51

LAB FILE ID:		RRF2.5 = BF134536.D			RRF005 = BF134537.D		RRF010 = BF134538.D	
		RRF020 = BF134539.D			RRF040 = BF134540.D		RRF050 = BF134541.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.798	0.821	0.837	0.792	0.759	0.784	5.2
Pyridine		1.765	1.756	1.759	1.627	1.547	1.640	7.2
2-Fluorophenol		1.494	1.480	1.472	1.302	1.202	1.316	12.8
Benzaldehyde		1.196	1.107	0.999	0.805	0.726	0.917	23.5
Aniline		2.431	2.372	2.389	2.189	2.069	2.206	8.9
Phenol-d6		1.904	1.907	1.855	1.660	1.535	1.682	12.5
Phenol		1.866	1.816	1.836	1.679	1.520	1.657	11.8
bis(2-Chloroethyl)ether		1.482	1.460	1.439	1.305	1.220	1.317	11.2
2-Chlorophenol		1.482	1.455	1.482	1.331	1.227	1.327	11.5
1,2-Dichlorobenzene		1.509	1.471	1.448	1.273	1.155	1.282	15.4
1,3-Dichlorobenzene		1.572	1.529	1.504	1.362	1.249	1.373	12.0
1,4-Dichlorobenzene		1.581	1.544	1.513	1.372	1.256	1.376	12.7
Benzyl Alcohol		1.307	1.317	1.316	1.169	1.065	1.160	13.9
2-Methylphenol		1.271	1.274	1.267	1.169	1.101	1.173	8.5
2,2-oxybis(1-Chloropropane)		2.306	2.246	2.249	2.054	1.917	2.063	10.2
Acetophenone		0.542	0.533	0.514	0.455	0.410	0.462	14.8
3+4-Methylphenols		1.661	1.662	1.622	1.425	1.258	1.414	17.2
n-Nitroso-di-n-propylamine	1.139	1.113	1.108	1.075	0.978	0.908	1.007	11.5
Nitrobenzene-d5		0.258	0.304	0.343	0.341	0.331	0.320	9.5
Hexachloroethane		0.519	0.514	0.534	0.480	0.456	0.483	8.6
Nitrobenzene		0.299	0.346	0.374	0.364	0.346	0.346	7.3
Isophorone		0.744	0.732	0.736	0.690	0.655	0.698	5.6
2-Nitrophenol		0.065	0.086	0.116	0.138	0.143	0.122	28.8
2,4-Dimethylphenol		0.330	0.335	0.336	0.307	0.294	0.311	7.1
bis(2-Chloroethoxy)methane		0.449	0.449	0.455	0.411	0.390	0.418	8.1
2,4-Dichlorophenol		0.285	0.292	0.302	0.289	0.273	0.283	4.8
1,2,4-Trichlorobenzene		0.326	0.322	0.324	0.301	0.284	0.301	7.9
Benzoic acid			0.097	0.145	0.177	0.199	0.176	27.3
Naphthalene		1.121	1.122	1.102	1.010	0.921	1.005	11.3
4-Chloroaniline		0.481	0.475	0.479	0.443	0.415	0.448	6.9
Hexachlorobutadiene		0.191	0.186	0.188	0.174	0.162	0.174	8.6
Caprolactam		0.083	0.090	0.094	0.095	0.090	0.091	4.5
4-Chloro-3-methylphenol		0.307	0.311	0.323	0.302	0.286	0.299	5.4
2-Methylnaphthalene		0.760	0.749	0.743	0.657	0.613	0.666	13.0
Hexachlorocyclopentadiene		0.247	0.271	0.296	0.306	0.288	0.283	6.8
2,4,6-Trichlorophenol		0.367	0.386	0.409	0.391	0.370	0.381	4.6

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.: BF080123

SAS No.: BF080123

SDG No.: BF080123

Instrument ID:

Calibration Date(s): 8/1/2023 1:

Calibration Time(s): 07:51

LAB FILE ID:		RRF2.5 = BF134536.D		RRF005 = BF134537.D		RRF010 = BF134538.D		
		RRF020 = BF134539.D		RRF040 = BF134540.D		RRF050 = BF134541.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl			1.533	1.418	1.220	1.048	1.203	19.3
2,4,5-Trichlorophenol		0.430	0.457	0.464	0.451	0.410	0.435	5.3
1,1-Biphenyl		1.803	1.771	1.705	1.564	1.391	1.555	13.7
2-Chloronaphthalene		1.293	1.303	1.266	1.173	1.060	1.165	10.9
2-Nitroaniline		0.172	0.245	0.327	0.362	0.354	0.316	24.7
Dimethylphthalate		1.472	1.477	1.458	1.372	1.252	1.363	8.1
Acenaphthylene		2.038	2.049	2.008	1.845	1.671	1.832	11.4
2,6-Dinitrotoluene		0.144	0.205	0.262	0.281	0.275	0.248	21.8
3-Nitroaniline		0.193	0.266	0.317	0.342	0.323	0.304	18.4
Acenaphthene		1.304	1.321	1.294	1.192	1.082	1.187	10.4
2,4-Dinitrophenol			0.038	0.056	0.077	0.090	0.079	35.4
4-Nitrophenol			0.195	0.244	0.259	0.257	0.248	11.2
Dibenzofuran		1.906	1.888	1.851	1.737	1.527	1.690	12.3
2,4-Dinitrotoluene		0.148	0.222	0.298	0.341	0.339	0.292	26.8
Diethylphthalate		1.389	1.411	1.396	1.321	1.186	1.292	9.0
4-Chlorophenyl-phenylether		0.735	0.716	0.678	0.592	0.517	0.605	17.5
Fluorene		1.479	1.477	1.390	1.205	1.054	1.231	17.8
4-Nitroaniline		0.197	0.259	0.307	0.333	0.322	0.298	17.4
4,6-Dinitro-2-methylphenol			0.034	0.054	0.071	0.078	0.069	31.1
n-Nitrosodiphenylamine		0.693	0.707	0.695	0.641	0.582	0.637	10.1
Azobenzene		1.515	1.538	1.502	1.405	1.274	1.388	10.0
2,4,6-Tribromophenol		0.180	0.209	0.222	0.216	0.198	0.204	6.8
4-Bromophenyl-phenylether		0.233	0.229	0.239	0.220	0.205	0.219	7.1
Hexachlorobenzene		0.240	0.249	0.251	0.235	0.215	0.231	7.4
Atrazine		0.185	0.194	0.191	0.171	0.160	0.172	11.0
Pentachlorophenol		0.112	0.133	0.155	0.156	0.147	0.143	11.1
Phenanthrene		1.205	1.194	1.177	1.072	0.953	1.062	12.7
Anthracene		1.225	1.217	1.209	1.094	0.978	1.085	12.6
Carbazole		1.071	1.070	1.067	0.978	0.887	0.969	10.9
Di-n-butylphthalate		1.053	1.103	1.155	1.066	0.955	1.029	8.8
Fluoranthene		1.238	1.235	1.243	1.154	1.031	1.122	11.4
Benzidine		0.524	0.492	0.412	0.482	0.402	0.434	14.9
Pyrene		1.617	1.671	1.726	1.747	1.733	1.731	4.1
Terphenyl-d14		1.167	1.157	1.157	1.136	1.100	1.135	2.7
Butylbenzylphthalate		0.431	0.494	0.571	0.629	0.640	0.585	15.7
3,3-Dichlorobenzidine		0.417	0.438	0.438	0.417	0.400	0.415	4.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080123

SAS No.: BF080123

SDG No.: BF080123

Instrument ID: _____

Calibration Date(s): 8/1/2023 1: _____

Calibration Time(s): 07:51 _____

LAB FILE ID:		RRF2.5 = BF134536.D			RRF005 = BF134537.D		RRF010 = BF134538.D	
		RRF020 = BF134539.D			RRF040 = BF134540.D		RRF050 = BF134541.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.457	1.472	1.482	1.451	1.371	1.430	3.5
Chrysene		1.427	1.418	1.437	1.399	1.351	1.393	3.2
Bis(2-ethylhexyl)phthalate		0.631	0.693	0.711	0.727	0.687	0.689	5.2
Di-n-octyl phthalate		0.877	0.956	1.042	1.103	1.062	1.047	9.9
Benzo(b)fluoranthene		1.270	1.271	1.358	1.210	1.129	1.220	7.1
Benzo(k)fluoranthene		1.224	1.326	1.296	1.287	1.165	1.215	7.8
Benzo(a)pyrene		1.124	1.179	1.178	1.174	1.099	1.137	3.7
Indeno(1,2,3-cd)pyrene		1.019	1.028	1.101	1.261	1.234	1.176	10.5
Dibenzo(a,h)anthracene		0.819	0.841	0.889	1.017	1.001	0.951	10.3
Benzo(g,h,i)perylene		0.801	0.826	0.897	1.042	1.042	0.970	12.9
1,2,4,5-Tetrachlorobenzene		0.644	0.652	0.630	0.585	0.526	0.582	10.8
1,4-Dioxane		0.641	0.648	0.649	0.606	0.573	0.605	6.9
2,3,4,6-Tetrachlorophenol		0.323	0.354	0.366	0.359	0.341	0.344	4.8
1-Methylnaphthalene		0.703	0.683	0.684	0.618	0.564	0.620	11.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 4 2023 12:00AMLab File ID: BF134540.D Time Analyzed: 09:31Instrument 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	213182	6.792	805859	8.08	399274	9.83
	UPPER LIMIT	426364	7.292	1611718	8.575	798548	10.327
	LOWER LIMIT	106591	6.292	402929.5	7.575	199637	9.327
	EPA SAMPLE NO.						
01	PB154564BL	199115	6.80	811026	8.08	437702	9.83
02	SB-28-0-2-20230721	173889	6.80	680105	8.08	349797	9.83
03	RPTP-9-CS-9	193763	6.80	768646	8.08	386918	9.83
04	RPTP-10-CS-10	164443	6.80	662704	8.08	324017	9.83
05	RPTP-11-CS-11	184034	6.80	730466	8.08	344780	9.83
06	RPTP-13-CS-13	186332	6.80	710357	8.08	321525	9.83
07	BERGENFIELD-SOIL-COMP	171806	6.80	650271	8.08	284814	9.83
08	RPTP-14-CS-14RE	179105	6.80	650644	8.08	262770	9.83
09	WC-1	174462	6.80	584517	8.08	125769 *	9.86
10	500-1A-1B	184258	6.80	674508	8.08	273311	9.83
11	MCLEAN-TP6	181781	6.80	680093	8.08	283889	9.83
12	BUILDING-B-19- (0-5)	178398	6.80	659283	8.08	264794	9.83
13	BUILDING-B-5- (5-10)	162784	6.80	602025	8.08	240912	9.83
14	SP-2B	317932	6.80	1.13542e	8.08	451887	9.83
15	MCLEAN-TP7	172507	6.80	628341	8.08	250488	9.83
16	MCLEAN-TP4	175375	6.80	632561	8.08	250539	9.83
17	BUILDING-A-12- (0-5)DL	154822	6.80	566264	8.08	220399	9.83
18	BUILDING-A-8- (0-5)DL	151471	6.80	541203	8.08	215793	9.83
19	BUILDING-A-6- (5-10)DL	163797	6.80	572414	8.08	226426	9.83

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BF134540.D Time Analyzed: 19:07

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	213182	6.792	805859	8.08	399274	9.83
UPPER LIMIT	426364	7.292	1611718	8.575	798548	10.327
LOWER LIMIT	106591	6.292	402929.5	7.575	199637	9.327
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 4 2023 12:00AMLab File ID: BF134621.D Time Analyzed: 09:31Instrument 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	239745	6.798	928156	8.08	487088	9.83
	UPPER LIMIT	479490	7.298	1856312	8.581	974176	10.333
	LOWER LIMIT	119872.5	6.298	464078	7.581	243544	9.333
	EPA SAMPLE NO.						
01	PB154564BL	199115	6.80	811026	8.08	437702	9.83
02	SB-28-0-2-20230721	173889	6.80	680105	8.08	349797	9.83
03	RPTP-9-CS-9	193763	6.80	768646	8.08	386918	9.83
04	RPTP-10-CS-10	164443	6.80	662704	8.08	324017	9.83
05	RPTP-11-CS-11	184034	6.80	730466	8.08	344780	9.83
06	RPTP-13-CS-13	186332	6.80	710357	8.08	321525	9.83
07	BERGENFIELD-SOIL-COMP	171806	6.80	650271	8.08	284814	9.83
08	RPTP-14-CS-14RE	179105	6.80	650644	8.08	262770	9.83
09	WC-1	174462	6.80	584517	8.08	125769 *	9.86
10	500-1A-1B	184258	6.80	674508	8.08	273311	9.83
11	MCLEAN-TP6	181781	6.80	680093	8.08	283889	9.83
12	BUILDING-B-19- (0-5)	178398	6.80	659283	8.08	264794	9.83
13	BUILDING-B-5- (5-10)	162784	6.80	602025	8.08	240912 *	9.83
14	SP-2B	317932	6.80	1.13542e	8.08	451887	9.83
15	MCLEAN-TP7	172507	6.80	628341	8.08	250488	9.83
16	MCLEAN-TP4	175375	6.80	632561	8.08	250539	9.83
17	BUILDING-A-12- (0-5)DL	154822	6.80	566264	8.08	220399 *	9.83
18	BUILDING-A-8- (0-5)DL	151471	6.80	541203	8.08	215793 *	9.83
19	BUILDING-A-6- (5-10)DL	163797	6.80	572414	8.08	226426 *	9.83



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BF134621.D Time Analyzed: 19:07

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	239745	6.798	928156	8.08	487088	9.83
UPPER LIMIT	479490	7.298	1856312	8.581	974176	10.333
LOWER LIMIT	119872.5	6.298	464078	7.581	243544	9.333
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BF134540.D Time Analyzed: 09:31

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	726478	11.316	486561	13.962	442066	15.415
UPPER LIMIT	1452956	11.816	973122	14.462	884132	15.915
LOWER LIMIT	363239	10.816	243280.5	13.462	221033	14.915
EPA SAMPLE NO.						
01 PB154564BL	851586	11.32	612340	13.97	486562	15.43
02 SB-28-0-2-20230721	596516	11.32	341086	13.97	433352	15.44
03 RPTP-9-CS-9	639080	11.32	375399	13.96	461452	15.43
04 RPTP-10-CS-10	521720	11.32	326868	13.96	402203	15.43
05 RPTP-11-CS-11	530697	11.32	392837	13.96	408887	15.43
06 RPTP-13-CS-13	464272	11.32	408419	13.96	355475	15.43
07 BERGENFIELD-SOIL-COMPRES	416458	11.32	380550	13.96	331293	15.43
08 RPTP-14-CS-14RE	391690	11.32	405279	13.96	321201	15.43
09 WC-1	129029 *	11.40	230009 *	14.03	290992	15.47
10 500-1A-1B	399441	11.32	412498	13.97	315865	15.43
11 MCLEAN-TP6	421080	11.32	407542	13.97	294347	15.43
12 BUILDING-B-19- (0-5)	411096	11.32	401005	13.97	305864	15.44
13 BUILDING-B-5- (5-10)	359941 *	11.32	370666	13.97	273386	15.43
14 SP-2B	744172	11.32	720001	13.97	559571	15.44
15 MCLEAN-TP7	399716	11.32	410113	13.96	293943	15.43
16 MCLEAN-TP4	405256	11.32	400472	13.97	289345	15.43
17 BUILDING-A-12- (0-5) DL	351797 *	11.32	345086	13.97	259532	15.43
18 BUILDING-A-8- (0-5) DL	365249	11.32	350191	13.97	262940	15.44
19 BUILDING-A-6- (5-10) DL	367884	11.32	333131	13.97	264497	15.44

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BF134540.D Time Analyzed: 19:07

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	726478	11.316	486561	13.962	442066	15.415
UPPER LIMIT	1452956	11.816	973122	14.462	884132	15.915
LOWER LIMIT	363239	10.816	243280.5	13.462	221033	14.915
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BF134621.D Time Analyzed: 09:31

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	873956	11.322	485138	13.974	448003	15.439
UPPER LIMIT	1747912	11.822	970276	14.474	896006	15.939
LOWER LIMIT	436978	10.822	242569	13.474	224001.5	14.939
EPA SAMPLE NO.						
01 PB154564BL	851586	11.32	612340	13.97	486562	15.43
02 SB-28-0-2-20230721	596516	11.32	341086	13.97	433352	15.44
03 RPTP-9-CS-9	639080	11.32	375399	13.96	461452	15.43
04 RPTP-10-CS-10	521720	11.32	326868	13.96	402203	15.43
05 RPTP-11-CS-11	530697	11.32	392837	13.96	408887	15.43
06 RPTP-13-CS-13	464272	11.32	408419	13.96	355475	15.43
07 BERGENFIELD-SOIL-COMPRES	416458 *	11.32	380550	13.96	331293	15.43
08 RPTP-14-CS-14RE	391690 *	11.32	405279	13.96	321201	15.43
09 WC-1	129029 *	11.40	230009 *	14.03	290992	15.47
10 500-1A-1B	399441 *	11.32	412498	13.97	315865	15.43
11 MCLEAN-TP6	421080 *	11.32	407542	13.97	294347	15.43
12 BUILDING-B-19- (0-5)	411096 *	11.32	401005	13.97	305864	15.44
13 BUILDING-B-5- (5-10)	359941 *	11.32	370666	13.97	273386	15.43
14 SP-2B	744172	11.32	720001	13.97	559571	15.44
15 MCLEAN-TP7	399716 *	11.32	410113	13.96	293943	15.43
16 MCLEAN-TP4	405256 *	11.32	400472	13.97	289345	15.43
17 BUILDING-A-12- (0-5) DL	351797 *	11.32	345086	13.97	259532	15.43
18 BUILDING-A-8- (0-5) DL	365249 *	11.32	350191	13.97	262940	15.44
19 BUILDING-A-6- (5-10) DL	367884 *	11.32	333131	13.97	264497	15.44

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080423 SAS No.: BF080423 SDG NO.: BF080423

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 4 2023 12:00AM

Lab File ID: BF134621.D Time Analyzed: 19:07

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	873956	11.322	485138	13.974	448003	15.439
UPPER LIMIT	1747912	11.822	970276	14.474	896006	15.939
LOWER LIMIT	436978	10.822	242569	13.474	224001.5	14.939
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SB-28-0-2-20230721

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080423SAS No.: BF080423 SDG NO.: BF080423Lab File ID: BF134623.DLab Sample ID: 03686-16Instrument ID: BNA_FDate Extracted: 07/24/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 10:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SB-28-0-2-20230721	03686-16	BF134623.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RPTP-9-CS-9

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080423SAS No.: BF080423 SDG NO.: BF080423Lab File ID: BF134624.DLab Sample ID: O3756-07Instrument ID: BNA_FDate Extracted: 07/27/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 10:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RPTP-9-CS-9	O3756-07	BF134624.D	08/04/2023
RPTP-10-CS-10	O3756-04	BF134625.D	08/04/2023
RPTP-11-CS-11	O3756-01	BF134626.D	08/04/2023
RPTP-13-CS-13	O3756-13	BF134627.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BUILDING-B-19- (0-5)

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080423SAS No.: BF080423 SDG NO.: BF080423Lab File ID: BF134633.DLab Sample ID: O3840-03Instrument ID: BNA_FDate Extracted: 08/01/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 15:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BUILDING-B-19- (0-5)	O3840-03	BF134633.D	08/04/2023
BUILDING-B-5- (5-10)	O3840-02	BF134634.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154564BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080423SAS No.: BF080423 SDG NO.: BF080423Lab File ID: BF134622.DLab Sample ID: PB154564BLInstrument ID: BNA_FDate Extracted: 08/01/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 09:31

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

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

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP-2B

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080423SAS No.: BF080423 SDG NO.: BF080423Lab File ID: BF134635.DLab Sample ID: O3860-05Instrument ID: BNA_FDate Extracted: 08/02/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 16:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-2B	O3860-05	BF134635.D	08/04/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MCLEAN-TP7

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080423SAS No.: BF080423 SDG NO.: BF080423Lab File ID: BF134636.DLab Sample ID: O3887-04Instrument ID: BNA_FDate Extracted: 08/03/2023Matrix: (soil/water) SolidDate Analyzed: 08/04/2023Level: (low/med) LOWTime Analyzed: 16:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MCLEAN-TP7	O3887-04	BF134636.D	08/04/2023
MCLEAN-TP4	O3887-07	BF134637.D	08/04/2023
WC-1	O3864-01	BF134630.D	08/04/2023
500-1A-1B	O3886-01	BF134631.D	08/04/2023
MCLEAN-TP6	O3887-01	BF134632.D	08/04/2023

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BF080423

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3686-16	SB-28-0-2-2023072BF134623.D		2-Fluorophenol	150	83.49	56		18	112
			Phenol-d6	150	85.65	57		15	107
			Nitrobenzene-d5	100	67.65	68		18	107
			2-Fluorobiphenyl	100	66.43	66		20	109
			2,4,6-Tribromophenol	150	90.86	61		10	110
			Terphenyl-d14	100	66.40	66		14	112

Surrogate Summary

SW-846

SDG No.: **BF080423**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3756-01	RPTP-11-CS-11	BF134626.D	2-Fluorophenol	150	81.21	54		18	112
			Phenol-d6	150	79.27	53		15	107
			Nitrobenzene-d5	100	61.21	61		18	107
			2-Fluorobiphenyl	100	62.32	62		20	109
			2,4,6-Tribromophenol	150	76.28	51		10	110
			Terphenyl-d14	100	47.00	47		14	112
O3756-04	RPTP-10-CS-10	BF134625.D	2-Fluorophenol	150	81.16	54		18	112
			Phenol-d6	150	81.16	54		15	107
			Nitrobenzene-d5	100	60.58	61		18	107
			2-Fluorobiphenyl	100	62.73	63		20	109
			2,4,6-Tribromophenol	150	80.34	54		10	110
			Terphenyl-d14	100	53.79	54		14	112
O3756-07	RPTP-9-CS-9	BF134624.D	2-Fluorophenol	150	48.81	33		18	112
			Phenol-d6	150	49.95	33		15	107
			Nitrobenzene-d5	100	37.53	38		18	107
			2-Fluorobiphenyl	100	39.26	39		20	109
			2,4,6-Tribromophenol	150	50.85	34		10	110
			Terphenyl-d14	100	36.56	37		14	112
O3756-10RE	RPTP-14-CS-14RE	BF134629.D	2-Fluorophenol	150	58.67	39		18	112
			Phenol-d6	150	56.53	38		15	107
			Nitrobenzene-d5	100	47.66	48		18	107
			2-Fluorobiphenyl	100	53.47	53		20	109
			2,4,6-Tribromophenol	150	54.34	36		10	110
			Terphenyl-d14	100	35.64	36		14	112
O3756-13	RPTP-13-CS-13	BF134627.D	2-Fluorophenol	150	84.66	56		18	112
			Phenol-d6	150	86.55	58		15	107
			Nitrobenzene-d5	100	69.77	70		18	107
			2-Fluorobiphenyl	100	72.15	72		20	109
			2,4,6-Tribromophenol	150	82.12	55		10	110
			Terphenyl-d14	100	54.84	55		14	112
O3775-02DL	BUILDING-A-12-(BF134638.D		2-Fluorophenol	150	108.45	72		18	112
			Phenol-d6	150	101.83	68		15	107
			Nitrobenzene-d5	100	77.40	77		18	107
			2-Fluorobiphenyl	100	104.38	104		20	109
			2,4,6-Tribromophenol	150	85.13	57		10	110
			Terphenyl-d14	100	77.38	77		14	112
O3775-03DL	BUILDING-A-8-(0-BF134639.D		2-Fluorophenol	150	42.98	29		18	112
			Phenol-d6	150	43.13	29		15	107
			Nitrobenzene-d5	100	38.20	38		18	107
			2-Fluorobiphenyl	100	46.88	47		20	109
			2,4,6-Tribromophenol	150	25.15	17		10	110
			Terphenyl-d14	100	36.28	36		14	112
O3775-04DL	BUILDING-A-6-(5-BF134640.D		2-Fluorophenol	150	98.25	65		18	112
			Phenol-d6	150	100.38	67		15	107
			Nitrobenzene-d5	100	71.75	72		18	107
			2-Fluorobiphenyl	100	93.23	93		20	109
			2,4,6-Tribromophenol	150	65.18	43		10	110
			Terphenyl-d14	100	76.73	77		14	112



Surrogate Summary
SW-846

SDG No.: BF080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3840-02	BUILDING-B-5-(5-BF134634.D		2-Fluorophenol	150	73.25	49		18	112
			Phenol-d6	150	71.77	48		15	107
			Nitrobenzene-d5	100	56.34	56		18	107
			2-Fluorobiphenyl	100	59.33	59		20	109
			2,4,6-Tribromophenol	150	68.68	46		10	110
			Terphenyl-d14	100	41.42	41		14	112
O3840-03	BUILDING-B-19-(BF134633.D		2-Fluorophenol	150	58.41	39		18	112
			Phenol-d6	150	55.98	37		15	107
			Nitrobenzene-d5	100	44.82	45		18	107
			2-Fluorobiphenyl	100	45.46	45		20	109
			2,4,6-Tribromophenol	150	54.89	37		10	110
			Terphenyl-d14	100	31.30	31		14	112



Surrogate Summary
SW-846

SDG No.: BF080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154564BL	PB154564BL	BF134622.D	2-Fluorophenol	150	124.49	83		18	112
			Phenol-d6	150	122.59	82		15	107
			Nitrobenzene-d5	100	99.25	99		18	107
			2-Fluorobiphenyl	100	86.03	86		20	109
			2,4,6-Tribromophenol	150	147.11	98		10	110
			Terphenyl-d14	100	81.59	82		14	112



Surrogate Summary
SW-846

SDG No.: BF080423

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3854-01RE	BERGENFIELD-SCBF134628.D		2-Fluorophenol	150	92.52	62		18	112
			Phenol-d6	150	90.31	60		15	107
			Nitrobenzene-d5	100	74.34	74		18	107
			2-Fluorobiphenyl	100	78.13	78		20	109
			2,4,6-Tribromophenol	150	90.08	60		10	110
			Terphenyl-d14	100	55.04	55		14	112
O3860-05	SP-2B	BF134635.D	2-Fluorophenol	150	42.81	29		18	112
			Phenol-d6	150	41.72	28		15	107
			Nitrobenzene-d5	100	34.99	35		18	107
			2-Fluorobiphenyl	100	37.97	38		20	109
			2,4,6-Tribromophenol	150	42.46	28		10	110
			Terphenyl-d14	100	26.09	26		14	112

Surrogate Summary

SW-846

SDG No.: **BF080423**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3864-01	WC-1	BF134630.D	2-Fluorophenol	150	75.02	50		18	112
			Phenol-d6	150	71.93	48		15	107
			Nitrobenzene-d5	100	61.31	61		18	107
			2-Fluorobiphenyl	100	114.19	114	*	20	109
			2,4,6-Tribromophenol	150	86.11	57		10	110
			Terphenyl-d14	100	32.22	32		14	112
O3886-01	500-1A-1B	BF134631.D	2-Fluorophenol	150	74.71	50		18	112
			Phenol-d6	150	72.93	49		15	107
			Nitrobenzene-d5	100	60.29	60		18	107
			2-Fluorobiphenyl	100	68.99	69		20	109
			2,4,6-Tribromophenol	150	69.74	46		10	110
			Terphenyl-d14	100	46.12	46		14	112
O3887-01	MCLEAN-TP6	BF134632.D	2-Fluorophenol	150	72.91	49		18	112
			Phenol-d6	150	71.42	48		15	107
			Nitrobenzene-d5	100	58.59	59		18	107
			2-Fluorobiphenyl	100	64.46	64		20	109
			2,4,6-Tribromophenol	150	66.11	44		10	110
			Terphenyl-d14	100	44.38	44		14	112
O3887-04	MCLEAN-TP7	BF134636.D	2-Fluorophenol	150	73.63	49		18	112
			Phenol-d6	150	71.34	48		15	107
			Nitrobenzene-d5	100	57.83	58		18	107
			2-Fluorobiphenyl	100	61.93	62		20	109
			2,4,6-Tribromophenol	150	70.34	47		10	110
			Terphenyl-d14	100	42.43	42		14	112
O3887-07	MCLEAN-TP4	BF134637.D	2-Fluorophenol	150	70.25	47		18	112
			Phenol-d6	150	67.80	45		15	107
			Nitrobenzene-d5	100	55.97	56		18	107
			2-Fluorobiphenyl	100	62.38	62		20	109
			2,4,6-Tribromophenol	150	69.33	46		10	110
			Terphenyl-d14	100	42.96	43		14	112

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF080423

Lab Code: CHEM

SAS No.: BF080423 SDG NO.: BF080423

Lab File ID: BF134620.D

DFTPP Injection Date: 08/04/2023

Instrument ID: BNA_F

DFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.5
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BF134621.D	08/04/2023	08:59
PB154564BL	PB154564BL	BF134622.D	08/04/2023	09:31
SB-28-0-2-20230721	O3686-16	BF134623.D	08/04/2023	10:08
RPTP-9-CS-9	O3756-07	BF134624.D	08/04/2023	10:39
RPTP-10-CS-10	O3756-04	BF134625.D	08/04/2023	11:11
RPTP-11-CS-11	O3756-01	BF134626.D	08/04/2023	11:43
RPTP-13-CS-13	O3756-13	BF134627.D	08/04/2023	12:14
BERGENFIELD-SOIL-COMP	O3854-01RE	BF134628.D	08/04/2023	12:45
RPTP-14-CS-14RE	O3756-10RE	BF134629.D	08/04/2023	13:17
WC-1	O3864-01	BF134630.D	08/04/2023	13:49
500-1A-1B	O3886-01	BF134631.D	08/04/2023	14:20
MCLEAN-TP6	O3887-01	BF134632.D	08/04/2023	14:52
BUILDING-B-19- (0-5)	O3840-03	BF134633.D	08/04/2023	15:24
BUILDING-B-5- (5-10)	O3840-02	BF134634.D	08/04/2023	15:56
SP-2B	O3860-05	BF134635.D	08/04/2023	16:27
MCLEAN-TP7	O3887-04	BF134636.D	08/04/2023	16:59
MCLEAN-TP4	O3887-07	BF134637.D	08/04/2023	17:31
BUILDING-A-12- (0-5)DL	O3775-02DL	BF134638.D	08/04/2023	18:04
BUILDING-A-8- (0-5)DL	O3775-03DL	BF134639.D	08/04/2023	18:35

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF080423

Lab Code: CHEM

SAS No.: BF080423 SDG NO.: BF080423

Lab File ID: BF134620.D

DFTPP Injection Date: 08/04/2023

Instrument ID: BNA_F

DFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.5
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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
BUILDING-A-6- (5-10)DL	O3775-04DL	BF134640.D	08/04/2023	19:07