

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF080223 SAS No.: BF080223 SDG No.: BF080223

Instrument ID: BNA_F Calibration Date/Time: 8/2/2023 12:08:43

Lab File ID: BF134568.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	0.743		-5.23	
Pyridine	1.640	1.552		-5.366	
2-Fluorophenol	1.316	1.226		-6.839	
Benzaldehyde	0.917	0.744		-18.866	
Aniline	2.206	2.057		-6.754	
Phenol-d6	1.682	1.571		-6.599	
Phenol	1.657	1.598		-3.561	20.0
bis(2-Chloroethyl)ether	1.317	1.224		-7.062	
2-Chlorophenol	1.327	1.270		-4.295	
1,2-Dichlorobenzene	1.282	1.208		-5.772	
1,3-Dichlorobenzene	1.373	1.301		-5.244	
1,4-Dichlorobenzene	1.376	1.315		-4.433	20.0
Benzyl Alcohol	1.160	1.102		-5.0	
2-Methylphenol	1.173	1.120		-4.518	
2,2-oxybis(1-Chloropropane)	2.063	1.909		-7.465	
Acetophenone	0.462	0.421		-8.874	
3+4-Methylphenols	1.414	1.312		-7.214	
n-Nitroso-di-n-propylamine	1.007	0.888	0.050	-11.817	
Nitrobenzene-d5	0.320	0.342		6.875	
Hexachloroethane	0.483	0.474		-1.863	
Nitrobenzene	0.346	0.354		2.312	
Isophorone	0.698	0.648		-7.163	
2-Nitrophenol	0.122	0.163		33.607	20.0
2,4-Dimethylphenol	0.311	0.293		-5.788	
bis(2-Chloroethoxy)methane	0.418	0.387		-7.416	
2,4-Dichlorophenol	0.283	0.277		-2.12	20.0
1,2,4-Trichlorobenzene	0.301	0.290		-3.654	
Benzoic acid	0.176	0.209		18.75	
Naphthalene	1.005	0.944		-6.07	
4-Chloroaniline	0.448	0.420		-6.25	
Hexachlorobutadiene	0.174	0.167		-4.023	20.0
Caprolactam	0.091	0.091		0.0	
4-Chloro-3-methylphenol	0.299	0.288		-3.679	20.0
2-Methylnaphthalene	0.666	0.626		-6.006	
Hexachlorocyclopentadiene	0.283	0.318	0.050	12.367	
2,4,6-Trichlorophenol	0.381	0.383		0.525	20.0
2-Fluorobiphenyl	1.203	1.127		-6.318	
2,4,5-Trichlorophenol	0.435	0.432		-0.69	
1,1-Biphenyl	1.555	1.460		-6.109	
2-Chloronaphthalene	1.165	1.102		-5.408	
2-Nitroaniline	0.316	0.378		19.62	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.363	1.286		-5.649	
Acenaphthylene	1.832	1.740		-5.022	
2,6-Dinitrotoluene	0.248	0.291		17.339	
3-Nitroaniline	0.304	0.341		12.171	
Acenaphthene	1.187	1.140		-3.96	20.0
2,4-Dinitrophenol	0.079	0.125	0.050	58.228	
4-Nitrophenol	0.248	0.271	0.050	9.274	
Dibenzofuran	1.690	1.575		-6.805	
2,4-Dinitrotoluene	0.292	0.375		28.425	
Diethylphthalate	1.292	1.216		-5.882	
4-Chlorophenyl-phenylether	0.605	0.566		-6.446	
Fluorene	1.231	1.133		-7.961	
4-Nitroaniline	0.298	0.345		15.772	
4,6-Dinitro-2-methylphenol	0.069	0.100		44.928	
n-Nitrosodiphenylamine	0.637	0.598		-6.122	20.0
Azobenzene	1.388	1.287		-7.277	
2,4,6-Tribromophenol	0.204	0.216		5.882	
4-Bromophenyl-phenylether	0.219	0.212		-3.196	
Hexachlorobenzene	0.231	0.222		-3.896	
Atrazine	0.172	0.174		1.163	
Pentachlorophenol	0.143	0.157		9.79	20.0
Phenanthrene	1.062	0.981		-7.627	
Anthracene	1.085	1.028		-5.253	
Carbazole	0.969	0.907		-6.398	
Di-n-butylphthalate	1.029	0.987		-4.082	
Fluoranthene	1.122	1.051		-6.328	20.0
Benzidine	0.434	0.478		10.138	
Pyrene	1.731	1.652		-4.564	
Terphenyl-d14	1.135	1.070		-5.727	
Butylbenzylphthalate	0.585	0.605		3.419	
3,3-Dichlorobenzidine	0.415	0.407		-1.928	
Benzo(a)anthracene	1.430	1.324		-7.413	
Chrysene	1.393	1.294		-7.107	
Bis(2-ethylhexyl)phthalate	0.689	0.609		-11.611	
Di-n-octyl phthalate	1.047	0.967		-7.641	20.0
Benzo(b)fluoranthene	1.220	1.173		-3.852	
Benzo(k)fluoranthene	1.215	1.182		-2.716	
Benzo(a)pyrene	1.137	1.110		-2.375	20.0
Indeno(1,2,3-cd)pyrene	1.176	1.237		5.187	
Dibenzo(a,h)anthracene	0.951	1.005		5.678	
Benzo(g,h,i)perylene	0.970	1.049		8.144	



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Instrument ID: BNA_F Calibration Date/Time: 8/2/2023 12:08:43
Lab File ID: BF134568.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	0.551		-5.326	
1,4-Dioxane	0.605	0.573		-5.289	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.354		2.907	
1-Methylnaphthalene	0.620	0.583		-5.968	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF080223 SAS No.: BF080223 SDG No.: BF080223

Instrument ID: BNA_F Calibration Date/Time: 8/2/2023 12:14:07

Lab File ID: BF134578.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	0.736		-6.122	
Pyridine	1.640	1.560		-4.878	
2-Fluorophenol	1.316	1.232		-6.383	
Benzaldehyde	0.917	0.759		-17.23	
Aniline	2.206	2.037		-7.661	
Phenol-d6	1.682	1.572		-6.54	
Phenol	1.657	1.553		-6.276	20.0
bis(2-Chloroethyl)ether	1.317	1.233		-6.378	
2-Chlorophenol	1.327	1.272		-4.145	
1,2-Dichlorobenzene	1.282	1.186		-7.488	
1,3-Dichlorobenzene	1.373	1.288		-6.191	
1,4-Dichlorobenzene	1.376	1.294		-5.959	20.0
Benzyl Alcohol	1.160	1.102		-5.0	
2-Methylphenol	1.173	1.102		-6.053	
2,2-oxybis(1-Chloropropane)	2.063	1.893		-8.24	
Acetophenone	0.462	0.419		-9.307	
3+4-Methylphenols	1.414	1.315		-7.001	
n-Nitroso-di-n-propylamine	1.007	0.884	0.050	-12.214	
Nitrobenzene-d5	0.320	0.340		6.25	
Hexachloroethane	0.483	0.475		-1.656	
Nitrobenzene	0.346	0.354		2.312	
Isophorone	0.698	0.639		-8.453	
2-Nitrophenol	0.122	0.168		37.705	20.0
2,4-Dimethylphenol	0.311	0.293		-5.788	
bis(2-Chloroethoxy)methane	0.418	0.390		-6.699	
2,4-Dichlorophenol	0.283	0.275		-2.827	20.0
1,2,4-Trichlorobenzene	0.301	0.289		-3.987	
Benzoic acid	0.176	0.219		24.432	
Naphthalene	1.005	0.933		-7.164	
4-Chloroaniline	0.448	0.412		-8.036	
Hexachlorobutadiene	0.174	0.165		-5.172	20.0
Caprolactam	0.091	0.089		-2.198	
4-Chloro-3-methylphenol	0.299	0.287		-4.013	20.0
2-Methylnaphthalene	0.666	0.620		-6.907	
Hexachlorocyclopentadiene	0.283	0.310	0.050	9.541	
2,4,6-Trichlorophenol	0.381	0.385		1.05	20.0
2-Fluorobiphenyl	1.203	1.120		-6.899	
2,4,5-Trichlorophenol	0.435	0.442		1.609	
1,1-Biphenyl	1.555	1.458		-6.238	
2-Chloronaphthalene	1.165	1.097		-5.837	
2-Nitroaniline	0.316	0.375		18.671	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.363	1.287		-5.576	
Acenaphthylene	1.832	1.734		-5.349	
2,6-Dinitrotoluene	0.248	0.294		18.548	
3-Nitroaniline	0.304	0.346		13.816	
Acenaphthene	1.187	1.139		-4.044	20.0
2,4-Dinitrophenol	0.079	0.134	0.050	69.62	
4-Nitrophenol	0.248	0.277	0.050	11.694	
Dibenzofuran	1.690	1.578		-6.627	
2,4-Dinitrotoluene	0.292	0.376		28.767	
Diethylphthalate	1.292	1.221		-5.495	
4-Chlorophenyl-phenylether	0.605	0.558		-7.769	
Fluorene	1.231	1.135		-7.799	
4-Nitroaniline	0.298	0.336		12.752	
4,6-Dinitro-2-methylphenol	0.069	0.103		49.275	
n-Nitrosodiphenylamine	0.637	0.586		-8.006	20.0
Azobenzene	1.388	1.290		-7.061	
2,4,6-Tribromophenol	0.204	0.218		6.863	
4-Bromophenyl-phenylether	0.219	0.206		-5.936	
Hexachlorobenzene	0.231	0.220		-4.762	
Atrazine	0.172	0.169		-1.744	
Pentachlorophenol	0.143	0.154		7.692	20.0
Phenanthrene	1.062	0.968		-8.851	
Anthracene	1.085	1.002		-7.65	
Carbazole	0.969	0.888		-8.359	
Di-n-butylphthalate	1.029	0.973		-5.442	
Fluoranthene	1.122	1.028		-8.378	20.0
Benzidine	0.434	0.443		2.074	
Pyrene	1.731	1.607		-7.163	
Terphenyl-d14	1.135	1.041		-8.282	
Butylbenzylphthalate	0.585	0.598		2.222	
3,3-Dichlorobenzidine	0.415	0.410		-1.205	
Benzo (a) anthracene	1.430	1.292		-9.65	
Chrysene	1.393	1.282		-7.968	
Bis (2-ethylhexyl) phthalate	0.689	0.616		-10.595	
Di-n-octyl phthalate	1.047	0.995		-4.967	20.0
Benzo (b) fluoranthene	1.220	1.185		-2.869	
Benzo (k) fluoranthene	1.215	1.186		-2.387	
Benzo (a) pyrene	1.137	1.100		-3.254	20.0
Indeno (1,2,3-cd) pyrene	1.176	1.192		1.361	
Dibenzo (a,h) anthracene	0.951	0.972		2.208	
Benzo (g,h,i) perylene	0.970	1.008		3.918	



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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.582	0.561		-3.608	
1,4-Dioxane	0.605	0.572		-5.455	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.347		0.872	
1-Methylnaphthalene	0.620	0.578		-6.774	

All other compounds must meet a minimum RRF of 0.010.

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:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	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
BF134569.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	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
BF134569.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	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
BF134569.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	113.385		18-112		76	SPK: -150
13127-88-3	Phenol-d6	113.353		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	91.446		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	81.933		20-109		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.343		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	68.234		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	234698	6.793				
1146-65-2	Naphthalene-d8	938645	8.069				
15067-26-2	Acenaphthene-d10	474781	9.828				
1517-22-2	Phenanthrene-d10	898115	11.316				
1719-03-5	Chrysene-d12	724258	13.957				
1520-96-3	Perylene-d12	715428	15.421				



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:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134569.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	120	J			17.11	

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:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3826-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134570.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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	52.1	52.1	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	54.7	U	54.7	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	61.8	U	61.8	84.6	110	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:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3826-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134570.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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	83.9	J	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	58.6	U	58.6	84.6	110	ug/Kg
99-09-2	3-Nitroaniline	60.8	U	60.8	84.6	110	ug/Kg
83-32-9	Acenaphthene	52.3	U	52.3	84.6	110	ug/Kg
Total PAH	Total PAH	935.3	U	935.3	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)	23.6	U	123.6	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	88.4	J	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	120		61.4	84.6	110	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:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3826-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134570.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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	220		54.5	84.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	80.9	J	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	92.6	J	54.6	84.6	110	ug/Kg
218-01-9	Chrysene	110		56.5	84.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	420		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	130		52.3	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	92.4	J	61.4	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	65.7	J	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	73.611		18-112		49	SPK: -150
13127-88-3	Phenol-d6	69.336		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	58.715		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	60.593		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	69.318		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	60.988		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	176084	6.792				
1146-65-2	Naphthalene-d8	618908	8.069				
15067-26-2	Acenaphthene-d10	243984	9.828				
1517-22-2	Phenanthrene-d10	430478	11.316				
1719-03-5	Chrysene-d12	263856	13.963				
1520-96-3	Perylene-d12	233009	15.427				

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:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3826-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134570.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-59-4	Tetradecane	480	J			9.239	
000629-78-7	Heptadecane	570	J			9.769	
000544-76-3	Hexadecane	660	J			10.269	
003054-63-5	Dodecane, 4,9-dipropyl-	460	J			10.492	
000629-50-5	Tridecane	1900	J			10.745	
000629-62-9	Pentadecane	1100	J			11.198	
000629-97-0	Docosane	630	J			11.227	
000629-92-5	Nonadecane	1000	J			11.622	
000112-39-0	Hexadecanoic acid, methyl ester	5100	J			11.739	
000057-10-3	n-Hexadecanoic acid	1100	J			11.874	
000112-95-8	Eicosane	1000	J			12.033	
002462-85-3	9,12-Octadecadienoic acid, methyl	15000	J			12.463	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	4800	J			12.48	
000057-11-4	Octadecanoic acid	300	J			12.651	
001560-88-9	Octadecane, 2-methyl-	590	J			13.157	
001120-28-1	Eicosanoic acid, methyl ester	290	J			13.251	
000629-94-7	Heneicosane	330	J			13.498	
013187-99-0	2-Bromo dodecane	380	J			13.827	
007098-22-8	Tetratetracontane	540	J			14.763	
000646-31-1	Tetracosane	370	J			15.104	

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:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3835-01	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
BF134571.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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:	7/28/2023 12:00:00 AM
Project:		Date Received:	7/28/2023 12:00:00 AM
Client Sample ID:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3835-01	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
BF134571.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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	61.4	U	61.4	84.6	110	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:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3835-01	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
BF134571.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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	54.5	U	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	52.2	U	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	60.303		18-112		40	SPK: -150
13127-88-3	Phenol-d6	57.833		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	47.826		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	52.002		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	55.904		10-110		37	SPK: -150
1718-51-0	Terphenyl-d14	46.527		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	193730	6.798				
1146-65-2	Naphthalene-d8	680740	8.075				
15067-26-2	Acenaphthene-d10	262015	9.827				
1517-22-2	Phenanthrene-d10	454321	11.316				
1719-03-5	Chrysene-d12	299204	13.957				
1520-96-3	Perylene-d12	246342	15.421				

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:	HR-01-072823	SDG No.:	BF080223
Lab Sample ID:	O3835-01	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
BF134571.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-59-4	Tetradecane	110	J			9.233	
1000383-11-5	Carbonic acid, octadecyl prop-1-en	70.9	J			9.557	
000544-76-3	Hexadecane	130	J			9.769	
000629-78-7	Heptadecane	130	J			10.269	
1010104-10-8	3-Methyl-4-(methoxycarbonyl)hexa-2	81.5	J			10.492	
000629-62-9	Pentadecane	220	J			10.745	
000593-45-3	Octadecane	130	J			11.192	
062238-11-3	Decane, 2,3,5-trimethyl-	110	J			11.621	
000112-39-0	Hexadecanoic acid, methyl ester	1100	J			11.721	
000057-10-3	n-Hexadecanoic acid	110	J			11.851	
000629-97-0	Docosane	97.1	J			12.033	
002462-85-3	9,12-Octadecadienoic acid, methyl	4100	J			12.421	
056554-47-3	13-Octadecenoic acid, methyl ester	1900	J			12.439	
000112-61-8	Methyl stearate	550	J			12.521	
000057-11-4	Octadecanoic acid	63.8	J			12.639	
000629-92-5	Nonadecane	71.3	J			12.798	
001560-88-9	Octadecane, 2-methyl-	120	J			13.151	
1000424-52-4	Methyl 18-methylnonadecanoate	63.3	J			13.245	
013187-99-0	2-Bromo dodecane	62.9	J			13.498	
1000406-04-8	Pentadecafluorooctanoic acid, octa	110	J			13.821	

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BF134572.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	U	77	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	87.4	U	87.4	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	88.1	U	88.1	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	92.7	U	92.7	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	63.1	U	63.1	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	78.7	U	78.7	140	180	ug/Kg
98-95-3	Nitrobenzene	80.4	U	80.4	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	83.5	U	83.5	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	82.9	U	82.9	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:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BF134572.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	U	94	140	180	ug/Kg
92-52-4	1,1-Biphenyl	97.7	U	97.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.5	U	90.5	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	95.1	U	95.1	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	99.9	U	99.9	140	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	140	180	ug/Kg
Total PAH	Total PAH	1528.8	U	1528.8	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
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	206.3	U	206.3	140	360	ug/Kg
84-66-2	Diethylphthalate	91.9	U	91.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.7	U	96.7	140	180	ug/Kg
86-73-7	Fluorene	90.7	U	90.7	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.9	U	93.9	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.8	U	99.8	140	180	ug/Kg
103-33-3	Azobenzene	78.6	U	78.6	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	99.2	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90.8	U	90.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	180		100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
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
BF134572.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	150	J	89.5	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	180		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	93.6	J	85.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	94.2	U	94.2	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	95.6	U	95.6	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	64.687		18-112		43	SPK: -150
13127-88-3	Phenol-d6	61.606		15-107		41	SPK: -150
4165-60-0	Nitrobenzene-d5	52.063		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	55.34		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.217		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	50.941		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	195630	6.798				
1146-65-2	Naphthalene-d8	674528	8.075				
15067-26-2	Acenaphthene-d10	257241	9.827				
1517-22-2	Phenanthrene-d10	447520	11.316				
1719-03-5	Chrysene-d12	292161	13.963				
1520-96-3	Perylene-d12	239551	15.421				



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

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134572.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	74.9	J			6.622	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	210	J			9.269	
000057-10-3	n-Hexadecanoic acid	180	J			11.851	
000057-11-4	Octadecanoic acid	97.3	J			12.645	
000078-51-3	Ethanol, 2-butoxy-, phosphate (3:1	680	J			13.486	
000297-03-0	Cyclotetracosane	150	J			13.821	

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-15-17-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.3
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
BF134573.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	80.7	U	80.7	280	340	ug/Kg
110-86-1	Pyridine	75.6	U	75.6	140	180	ug/Kg
100-52-7	Benzaldehyde	150	U	150	280	340	ug/Kg
62-53-3	Aniline	120	U	120	140	180	ug/Kg
108-95-2	Phenol	77.7	U	77.7	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.7	U	93.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	75.2	U	75.2	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	85.3	U	85.3	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92.4	U	92.4	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	86	U	86	140	180	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	280	340	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	90.5	U	90.5	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	280	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	61.6	U	61.6	83.5	83.5	ug/Kg
67-72-1	Hexachloroethane	76.8	U	76.8	140	180	ug/Kg
98-95-3	Nitrobenzene	78.5	U	78.5	140	180	ug/Kg
78-59-1	Isophorone	71.1	U	71.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	99.3	U	99.3	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.5	U	81.5	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	80.9	U	80.9	140	180	ug/Kg
65-85-0	Benzoic acid	220	U	220	280	340	ug/Kg
91-20-3	Naphthalene	85	U	85	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.7	U	87.7	140	180	ug/Kg
105-60-2	Caprolactam	120	U	120	280	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.1	U	86.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	99.1	U	99.1	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-15-17-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.3
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
BF134573.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	220	U	220	280	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.5	U	80.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.8	U	91.8	140	180	ug/Kg
92-52-4	1,1-Biphenyl	95.3	U	95.3	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	92.8	U	92.8	140	180	ug/Kg
208-96-8	Acenaphthylene	92.3	U	92.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.9	U	93.9	140	180	ug/Kg
99-09-2	3-Nitroaniline	97.5	U	97.5	140	180	ug/Kg
83-32-9	Acenaphthene	83.8	U	83.8	140	180	ug/Kg
Total PAH	Total PAH	1501.3	U	1501.3	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	280	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	340	ug/Kg
132-64-9	Dibenzofuran	80.3	U	80.3	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	193.9	U	193.9	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	140	180	ug/Kg
84-66-2	Diethylphthalate	89.7	U	89.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.4	U	94.4	140	180	ug/Kg
86-73-7	Fluorene	88.5	U	88.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	91.7	U	91.7	280	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	97.4	U	97.4	140	180	ug/Kg
103-33-3	Azobenzene	76.7	U	76.7	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	99.6	U	99.6	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	280	340	ug/Kg
85-01-8	Phenanthrene	180		96.8	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	88.6	U	88.6	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	190		98.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-15-17-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.3
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
BF134573.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	200	U	200	280	340	ug/Kg
129-00-0	Pyrene	140	J	87.4	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	280	340	ug/Kg
56-55-3	Benzo(a)anthracene	87.6	U	87.6	140	180	ug/Kg
218-01-9	Chrysene	90.6	U	90.6	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	280	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.8	U	83.8	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	92	U	92	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.4	U	98.4	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	96.6	U	96.6	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.3	U	93.3	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	86.5	U	86.5	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	94.2	U	94.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.93		18-112		57	SPK: -150
13127-88-3	Phenol-d6	79.926		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	69.648		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	77.137		20-109		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.563		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	71.131		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	190682	6.798				
1146-65-2	Naphthalene-d8	652729	8.075				
15067-26-2	Acenaphthene-d10	241500	9.828				
1517-22-2	Phenanthrene-d10	421575	11.316				
1719-03-5	Chrysene-d12	291163	13.963				
1520-96-3	Perylene-d12	241218	15.421				



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Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-26-15-17-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.3
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
BF134573.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	89.8	J			6.622	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	670	J			9.275	
000057-10-3	n-Hexadecanoic acid	120	J			11.851	
000297-24-5	Cyclooctacosane	140	J			13.822	

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-2-CS-2	SDG No.:	BF080223
Lab Sample ID:	O3681-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134574.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.4	U	87.4	310	370	ug/Kg
110-86-1	Pyridine	81.9	U	81.9	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	84.1	U	84.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.4	U	81.4	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.4	U	92.4	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.2	U	93.2	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	U	98	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	66.7	U	66.7	90.5	90.5	ug/Kg
67-72-1	Hexachloroethane	83.2	U	83.2	150	190	ug/Kg
98-95-3	Nitrobenzene	85	U	85	150	190	ug/Kg
78-59-1	Isophorone	77	U	77	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	88.3	U	88.3	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	87.6	U	87.6	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	370	ug/Kg
91-20-3	Naphthalene	92.1	U	92.1	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95	U	95	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.3	U	93.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-2-CS-2	SDG No.:	BF080223
Lab Sample ID:	O3681-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134574.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	87.2	U	87.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.4	U	99.4	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.7	U	95.7	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	90.8	U	90.8	150	190	ug/Kg
Total PAH	Total PAH	1627	U	1627	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	U	87	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	97.1	U	97.1	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	95.9	U	95.9	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.3	U	99.3	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83.1	U	83.1	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	100	U	100	150	190	ug/Kg
120-12-7	Anthracene	120	U	120	150	190	ug/Kg
86-74-8	Carbazole	96	U	96	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	190		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-2-CS-2	SDG No.:	BF080223
Lab Sample ID:	O3681-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134574.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	160	J	94.7	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	94.9	U	94.9	150	190	ug/Kg
218-01-9	Chrysene	98.2	U	98.2	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	110	J	90.8	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	99.6	U	99.6	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	93.7	U	93.7	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.15		18-112		56	SPK: -150
13127-88-3	Phenol-d6	78.859		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	65.725		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	67.293		20-109		67	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.258		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	58.338		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	192408	6.798				
1146-65-2	Naphthalene-d8	665592	8.075				
15067-26-2	Acenaphthene-d10	255213	9.827				
1517-22-2	Phenanthrene-d10	426305	11.316				
1719-03-5	Chrysene-d12	297584	13.957				
1520-96-3	Perylene-d12	242707	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-2-CS-2	SDG No.:	BF080223
Lab Sample ID:	O3681-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
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
BF134574.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	140	J			11.851	
001599-68-4	Henicos-1-ene	190	J			13.821	

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-7-CS-7	SDG No.:	BF080223
Lab Sample ID:	O3681-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.04	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
BF134575.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	77.4	U	77.4	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	U	96	140	180	ug/Kg
95-57-8	2-Chlorophenol	77	U	77	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	87.4	U	87.4	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.6	U	94.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	88.1	U	88.1	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	92.7	U	92.7	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	63.1	U	63.1	85.5	85.5	ug/Kg
67-72-1	Hexachloroethane	78.7	U	78.7	140	180	ug/Kg
98-95-3	Nitrobenzene	80.4	U	80.4	140	180	ug/Kg
78-59-1	Isophorone	72.8	U	72.8	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	83.5	U	83.5	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	82.9	U	82.9	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	87	U	87	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.8	U	89.8	140	180	ug/Kg
105-60-2	Caprolactam	130	U	130	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.2	U	88.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-7-CS-7	SDG No.:	BF080223
Lab Sample ID:	O3681-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF134575.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	82.4	U	82.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94	U	94	140	180	ug/Kg
92-52-4	1,1-Biphenyl	97.6	U	97.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.5	U	90.5	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	95.1	U	95.1	140	180	ug/Kg
208-96-8	Acenaphthylene	94.5	U	94.5	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	96.2	U	96.2	140	180	ug/Kg
99-09-2	3-Nitroaniline	99.9	U	99.9	140	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	140	180	ug/Kg
Total PAH	Total PAH	1528.2	U	1528.2	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	82.2	U	82.2	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	206.2	U	206.2	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	91.8	U	91.8	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.7	U	96.7	140	180	ug/Kg
86-73-7	Fluorene	90.7	U	90.7	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.9	U	93.9	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.8	U	99.8	140	180	ug/Kg
103-33-3	Azobenzene	78.6	U	78.6	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	99.1	U	99.1	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90.8	U	90.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	120	J	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-7-CS-7	SDG No.:	BF080223
Lab Sample ID:	O3681-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF134575.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	91.2	J	89.5	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	89.7	U	89.7	140	180	ug/Kg
218-01-9	Chrysene	92.8	U	92.8	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	85.9	U	85.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	94.2	U	94.2	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	98.9	U	98.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.6	U	95.6	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	88.6	U	88.6	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	96.4	U	96.4	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	66.906		18-112		45	SPK: -150
13127-88-3	Phenol-d6	64.58		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	53.093		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	58.881		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	62.832		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	53.896		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	196535	6.798				
1146-65-2	Naphthalene-d8	683857	8.075				
15067-26-2	Acenaphthene-d10	265805	9.828				
1517-22-2	Phenanthrene-d10	457511	11.316				
1719-03-5	Chrysene-d12	319397	13.957				
1520-96-3	Perylene-d12	259107	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-7-CS-7	SDG No.:	BF080223
Lab Sample ID:	O3681-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
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
BF134575.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000295-65-8	Cyclohexadecane	78.4	J			13.822	

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-21-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134576.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	U	77	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	87.4	U	87.4	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	63.1	U	63.1	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	78.7	U	78.7	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	82.9	U	82.9	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:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-21-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134576.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	U	94	140	180	ug/Kg
92-52-4	1,1-Biphenyl	97.7	U	97.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.5	U	90.5	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	95.1	U	95.1	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	99.9	U	99.9	140	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	140	180	ug/Kg
Total PAH	Total PAH	1820	U	1529	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	96.7	U	96.7	140	180	ug/Kg
86-73-7	Fluorene	90.7	U	90.7	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.9	U	93.9	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.8	U	99.8	140	180	ug/Kg
103-33-3	Azobenzene	78.6	U	78.6	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	110	J	99.2	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90.8	U	90.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	340		100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-21-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134576.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	290		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	180		89.8	140	180	ug/Kg
218-01-9	Chrysene	160	J	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	290		85.9	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	200		100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	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	130	J	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	74.52		18-112		50	SPK: -150
13127-88-3	Phenol-d6	71.835		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	61.242		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	68.499		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	69.615		10-110		46	SPK: -150
1718-51-0	Terphenyl-d14	62.582		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	187494	6.798				
1146-65-2	Naphthalene-d8	654453	8.075				
15067-26-2	Acenaphthene-d10	244396	9.828				
1517-22-2	Phenanthrene-d10	422517	11.316				
1719-03-5	Chrysene-d12	290201	13.957				
1520-96-3	Perylene-d12	238882	15.421				



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Report of Analysis

Client:		Date Collected:	7/19/2023 12:00:00 AM
Project:		Date Received:	7/19/2023 12:00:00 AM
Client Sample ID:	SB-21-0-2-20230719	SDG No.:	BF080223
Lab Sample ID:	O3686-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.6
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134576.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	230	J			11.851	
018835-33-1	1-Hexacosene	190	J			13.821	
000629-59-4	Tetradecane	81	J			14.457	
000192-97-2	Benzo[e]pyrene	92.4	J			15.104	
000205-82-3	Benzo[j]fluoranthene	150	J			15.298	

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:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	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
BF134579.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	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
BF134579.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	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:	7/21/2023 12:00:00 AM
Project:		Date Received:	7/21/2023 12:00:00 AM
Client Sample ID:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	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
BF134579.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	120.803		18-112		81	SPK: -150
13127-88-3	Phenol-d6	121.928		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	98.601		18-107		99	SPK: -100
321-60-8	2-Fluorobiphenyl	87.962		20-109		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	136.526		10-110		91	SPK: -150
1718-51-0	Terphenyl-d14	73.46		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	204627	6.798				
1146-65-2	Naphthalene-d8	822074	8.075				
15067-26-2	Acenaphthene-d10	419386	9.827				
1517-22-2	Phenanthrene-d10	789305	11.316				
1719-03-5	Chrysene-d12	646158	13.962				
1520-96-3	Perylene-d12	628798	15.427				



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:	PB154346BL	SDG No.:	BF080223
Lab Sample ID:	PB154346BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134579.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-4-CS-4	SDG No.:	BF080223
Lab Sample ID:	O3681-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF134580.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	82	U	82	290	350	ug/Kg
110-86-1	Pyridine	76.8	U	76.8	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	78.9	U	78.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.2	U	95.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	76.3	U	76.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	86.6	U	86.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	93.8	U	93.8	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	87.4	U	87.4	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	91.9	U	91.9	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	84.8	84.8	ug/Kg
67-72-1	Hexachloroethane	78	U	78	140	180	ug/Kg
98-95-3	Nitrobenzene	79.7	U	79.7	140	180	ug/Kg
78-59-1	Isophorone	72.2	U	72.2	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	82.8	U	82.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	82.2	U	82.2	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	86.3	U	86.3	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	140	180	ug/Kg
105-60-2	Caprolactam	120	U	120	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.5	U	87.5	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-4-CS-4	SDG No.:	BF080223
Lab Sample ID:	O3681-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF134580.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	81.7	U	81.7	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.2	U	93.2	140	180	ug/Kg
92-52-4	1,1-Biphenyl	96.8	U	96.8	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.7	U	89.7	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	94.3	U	94.3	140	180	ug/Kg
208-96-8	Acenaphthylene	93.7	U	93.7	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.4	U	95.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	99	U	99	140	180	ug/Kg
83-32-9	Acenaphthene	85.1	U	85.1	140	180	ug/Kg
Total PAH	Total PAH	1519.6	U	1519.6	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	81.5	U	81.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	205.4	U	205.4	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	91.1	U	91.1	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.8	U	95.8	140	180	ug/Kg
86-73-7	Fluorene	89.9	U	89.9	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.1	U	93.1	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.9	U	98.9	140	180	ug/Kg
103-33-3	Azobenzene	77.9	U	77.9	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	98.3	U	98.3	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90	U	90	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:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-4-CS-4	SDG No.:	BF080223
Lab Sample ID:	O3681-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF134580.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	88.7	U	88.7	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	U	89	140	180	ug/Kg
218-01-9	Chrysene	92	U	92	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	85.1	U	85.1	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	93.4	U	93.4	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	98.1	U	98.1	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.8	U	94.8	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	87.9	U	87.9	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	95.6	U	95.6	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.329		18-112		54	SPK: -150
13127-88-3	Phenol-d6	80.04		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	62.354		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	64.261		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.647		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	56.783		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	188177	6.792				
1146-65-2	Naphthalene-d8	720582	8.069				
15067-26-2	Acenaphthene-d10	307327	9.828				
1517-22-2	Phenanthrene-d10	494942	11.316				
1719-03-5	Chrysene-d12	346081	13.957				
1520-96-3	Perylene-d12	286425	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-4-CS-4	SDG No.:	BF080223
Lab Sample ID:	O3681-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF134580.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	160	J			11.851	
1000282-98-2	Dichloroacetic acid, heptadecyl es	220	J			13.821	

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-5-CS-5	SDG No.:	BF080223
Lab Sample ID:	O3681-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134581.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	82	U	82	290	350	ug/Kg
110-86-1	Pyridine	76.8	U	76.8	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	93.9	U	93.9	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	U	92	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:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-5-CS-5	SDG No.:	BF080223
Lab Sample ID:	O3681-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134581.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	81.8	U	81.8	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	93.8	U	93.8	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.5	U	95.5	140	180	ug/Kg
99-09-2	3-Nitroaniline	99.1	U	99.1	140	180	ug/Kg
83-32-9	Acenaphthene	85.2	U	85.2	140	180	ug/Kg
Total PAH	Total PAH	1520.7	U	1520.7	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	81.6	U	81.6	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	205.5	U	205.5	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	U	99	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:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-5-CS-5	SDG No.:	BF080223
Lab Sample ID:	O3681-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134581.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	88.8	U	88.8	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	89.1	U	89.1	140	180	ug/Kg
218-01-9	Chrysene	92.1	U	92.1	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	85.2	U	85.2	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	95.7	U	95.7	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.261		18-112		45	SPK: -150
13127-88-3	Phenol-d6	65.022		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	51.179		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	54.481		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	60.139		10-110		40	SPK: -150
1718-51-0	Terphenyl-d14	50.803		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	185262	6.793				
1146-65-2	Naphthalene-d8	713910	8.069				
15067-26-2	Acenaphthene-d10	314740	9.828				
1517-22-2	Phenanthrene-d10	506446	11.316				
1719-03-5	Chrysene-d12	329729	13.957				
1520-96-3	Perylene-d12	267953	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-5-CS-5	SDG No.:	BF080223
Lab Sample ID:	O3681-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134581.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	73.9	J			11.851	
000297-03-0	Cyclotetracosane	100	J			13.822	

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-3-CS-3	SDG No.:	BF080223
Lab Sample ID:	O3681-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF134582.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.4	U	86.4	300	370	ug/Kg
110-86-1	Pyridine	80.9	U	80.9	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	83.1	U	83.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	80.5	U	80.5	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	91.3	U	91.3	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	98.9	U	98.9	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.1	U	92.1	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	96.9	U	96.9	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	65.9	U	65.9	89.4	89.4	ug/Kg
67-72-1	Hexachloroethane	82.2	U	82.2	150	190	ug/Kg
98-95-3	Nitrobenzene	84	U	84	150	190	ug/Kg
78-59-1	Isophorone	76.1	U	76.1	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	87.3	U	87.3	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	86.6	U	86.6	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	91	U	91	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.9	U	93.9	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	92.2	U	92.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-3-CS-3	SDG No.:	BF080223
Lab Sample ID:	O3681-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF134582.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.2	U	86.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.2	U	98.2	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.5	U	94.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	99.3	U	99.3	150	190	ug/Kg
208-96-8	Acenaphthylene	98.8	U	98.8	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	89.7	U	89.7	150	190	ug/Kg
Total PAH	Total PAH	1606.7	U	1606.7	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	85.9	U	85.9	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	U	96	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	94.8	U	94.8	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	98.1	U	98.1	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	150	190	ug/Kg
103-33-3	Azobenzene	82.1	U	82.1	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	100	U	100	150	190	ug/Kg
120-12-7	Anthracene	110	U	110	150	190	ug/Kg
86-74-8	Carbazole	94.9	U	94.9	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-3-CS-3	SDG No.:	BF080223
Lab Sample ID:	O3681-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF134582.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	93.5	U	93.5	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	93.8	U	93.8	150	190	ug/Kg
218-01-9	Chrysene	97	U	97	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	89.7	U	89.7	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	98.4	U	98.4	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	99.9	U	99.9	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	92.6	U	92.6	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.08		18-112		52	SPK: -150
13127-88-3	Phenol-d6	77.561		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	58.573		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	61.528		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.217		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	55.852		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	191358	6.792				
1146-65-2	Naphthalene-d8	737015	8.075				
15067-26-2	Acenaphthene-d10	319401	9.827				
1517-22-2	Phenanthrene-d10	513437	11.316				
1719-03-5	Chrysene-d12	351060	13.957				
1520-96-3	Perylene-d12	284536	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-3-CS-3	SDG No.:	BF080223
Lab Sample ID:	O3681-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF134582.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	95.7	J			11.851	
001599-67-3	1-Docosene	130	J			13.821	

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-1-CS-1	SDG No.:	BF080223
Lab Sample ID:	O3681-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF134583.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	91.6	U	91.6	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	89.7	89.7	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	86.9	U	86.9	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	92.5	U	92.5	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-1-CS-1	SDG No.:	BF080223
Lab Sample ID:	O3681-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF134583.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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
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	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	82.4	U	82.4	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	100	U	100	150	190	ug/Kg
120-12-7	Anthracene	110	U	110	150	190	ug/Kg
86-74-8	Carbazole	95.2	U	95.2	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-1-CS-1	SDG No.:	BF080223
Lab Sample ID:	O3681-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF134583.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	88.412		18-112		59	SPK: -150
13127-88-3	Phenol-d6	87.659		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	69.62		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	71.568		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.598		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	60.653		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	187498	6.793				
1146-65-2	Naphthalene-d8	714163	8.069				
15067-26-2	Acenaphthene-d10	299783	9.828				
1517-22-2	Phenanthrene-d10	469830	11.316				
1719-03-5	Chrysene-d12	326084	13.957				
1520-96-3	Perylene-d12	263306	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-1-CS-1	SDG No.:	BF080223
Lab Sample ID:	O3681-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134583.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	100	J			11.851	
959085-66-6	Heptadecyl heptafluorobutyrate	120	J			13.822	

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-6-CS-6	SDG No.:	BF080223
Lab Sample ID:	O3681-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF134584.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	81.9	U	81.9	290	350	ug/Kg
110-86-1	Pyridine	76.7	U	76.7	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	78.8	U	78.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.1	U	95.1	140	180	ug/Kg
95-57-8	2-Chlorophenol	76.3	U	76.3	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	86.6	U	86.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	93.8	U	93.8	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	87.3	U	87.3	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	91.9	U	91.9	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	62.5	U	62.5	84.8	84.8	ug/Kg
67-72-1	Hexachloroethane	78	U	78	140	180	ug/Kg
98-95-3	Nitrobenzene	79.7	U	79.7	140	180	ug/Kg
78-59-1	Isophorone	72.2	U	72.2	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	82.7	U	82.7	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	82.1	U	82.1	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	350	ug/Kg
91-20-3	Naphthalene	86.2	U	86.2	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89	U	89	140	180	ug/Kg
105-60-2	Caprolactam	120	U	120	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.4	U	87.4	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-6-CS-6	SDG No.:	BF080223
Lab Sample ID:	O3681-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BF134584.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	81.7	U	81.7	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.1	U	93.1	140	180	ug/Kg
92-52-4	1,1-Biphenyl	96.7	U	96.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.6	U	89.6	140	180	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	180	ug/Kg
131-11-3	Dimethylphthalate	94.2	U	94.2	140	180	ug/Kg
208-96-8	Acenaphthylene	93.7	U	93.7	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.4	U	95.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	99	U	99	140	180	ug/Kg
83-32-9	Acenaphthene	85.1	U	85.1	140	180	ug/Kg
Total PAH	Total PAH	1518.9	U	1518.9	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	81.5	U	81.5	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)	205.4	U	205.4	140	360	ug/Kg
84-66-2	Diethylphthalate	91	U	91	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.8	U	95.8	140	180	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93	U	93	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.9	U	98.9	140	180	ug/Kg
103-33-3	Azobenzene	77.9	U	77.9	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	98.2	U	98.2	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90	U	90	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	100	J	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-6-CS-6	SDG No.:	BF080223
Lab Sample ID:	O3681-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134584.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	88.8	J	88.7	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	88.9	U	88.9	140	180	ug/Kg
218-01-9	Chrysene	92	U	92	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	85.1	U	85.1	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	93.3	U	93.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.9	U	99.9	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	U	98	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.7	U	94.7	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	87.8	U	87.8	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	95.6	U	95.6	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.356		18-112		54	SPK: -150
13127-88-3	Phenol-d6	77.743		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	62.036		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	64.785		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.474		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	57.466		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	182118	6.793				
1146-65-2	Naphthalene-d8	691406	8.069				
15067-26-2	Acenaphthene-d10	296323	9.828				
1517-22-2	Phenanthrene-d10	471805	11.316				
1719-03-5	Chrysene-d12	329005	13.957				
1520-96-3	Perylene-d12	261625	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-6-CS-6	SDG No.:	BF080223
Lab Sample ID:	O3681-16	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134584.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	100	J			11.851	
001599-67-3	1-Docosene	130	J			13.822	
000112-84-5	13-Docosenamide, (Z)-	71.7	J			14.739	

Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-8-CS-8	SDG No.:	BF080223
Lab Sample ID:	O3681-22	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134585.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	95.4	U	95.4	140	180	ug/Kg
95-57-8	2-Chlorophenol	76.5	U	76.5	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	86.8	U	86.8	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	62.7	U	62.7	85	85	ug/Kg
67-72-1	Hexachloroethane	78.2	U	78.2	140	180	ug/Kg
98-95-3	Nitrobenzene	79.9	U	79.9	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	83	U	83	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	86.5	U	86.5	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:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-8-CS-8	SDG No.:	BF080223
Lab Sample ID:	O3681-22	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134585.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	93.4	U	93.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	97	U	97	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.9	U	89.9	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	1521.6	U	1521.6	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	90.1	U	90.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	93.3	U	93.3	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.1	U	99.1	140	180	ug/Kg
103-33-3	Azobenzene	78.1	U	78.1	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	98.5	U	98.5	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	90.2	U	90.2	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:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-8-CS-8	SDG No.:	BF080223
Lab Sample ID:	O3681-22	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134585.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

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	93.6	U	93.6	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	98.2	U	98.2	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95	U	95	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	88.1	U	88.1	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	95.8	U	95.8	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.256		18-112		58	SPK: -150
13127-88-3	Phenol-d6	84.473		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	69.006		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	70.686		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.973		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	63.294		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	196160	6.792				
1146-65-2	Naphthalene-d8	741589	8.069				
15067-26-2	Acenaphthene-d10	313341	9.827				
1517-22-2	Phenanthrene-d10	496234	11.316				
1719-03-5	Chrysene-d12	341782	13.957				
1520-96-3	Perylene-d12	277479	15.421				



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Report of Analysis

Client:		Date Collected:	7/17/2023 12:00:00 AM
Project:		Date Received:	7/17/2023 12:00:00 AM
Client Sample ID:	RPTP-8-CS-8	SDG No.:	BF080223
Lab Sample ID:	O3681-22	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134585.D	1	7/21/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	86.7	J			6.622	
000057-10-3	n-Hexadecanoic acid	120	J			11.851	
074685-30-6	5-Eicosene, (E)-	170	J			13.821	

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342	SDG No.:	BF080223
Lab Sample ID:	O3842-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
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
BF134586.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.2	U	52.2	180	220	ug/Kg
110-86-1	Pyridine	48.9	U	48.9	87.8	110	ug/Kg
100-52-7	Benzaldehyde	99.9	U	99.9	180	220	ug/Kg
62-53-3	Aniline	79	U	79	87.8	110	ug/Kg
108-95-2	Phenol	50.2	U	50.2	87.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.6	U	60.6	87.8	110	ug/Kg
95-57-8	2-Chlorophenol	48.6	U	48.6	87.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.2	U	55.2	87.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.8	U	59.8	87.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.6	U	55.6	87.8	110	ug/Kg
100-51-6	Benzyl Alcohol	66.7	U	66.7	180	220	ug/Kg
95-48-7	2-Methylphenol	77	U	77	87.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.9	U	70.9	87.8	110	ug/Kg
98-86-2	Acetophenone	58.5	U	58.5	87.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	72.9	U	72.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.8	U	39.8	54	54	ug/Kg
67-72-1	Hexachloroethane	49.7	U	49.7	87.8	110	ug/Kg
98-95-3	Nitrobenzene	50.8	U	50.8	87.8	110	ug/Kg
78-59-1	Isophorone	46	U	46	87.8	110	ug/Kg
88-75-5	2-Nitrophenol	64.2	U	64.2	87.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	67.3	U	67.3	87.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	75.6	U	75.6	87.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	52.7	U	52.7	87.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.3	U	52.3	87.8	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	55	U	55	87.8	110	ug/Kg
106-47-8	4-Chloroaniline	70.9	U	70.9	87.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.7	U	56.7	87.8	110	ug/Kg
105-60-2	Caprolactam	79	U	79	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.7	U	55.7	87.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	64.1	U	64.1	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342	SDG No.:	BF080223
Lab Sample ID:	O3842-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
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
BF134586.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

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	52.1	U	52.1	87.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59.4	U	59.4	87.8	110	ug/Kg
92-52-4	1,1-Biphenyl	61.6	U	61.6	87.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	57.1	U	57.1	87.8	110	ug/Kg
88-74-4	2-Nitroaniline	67	U	67	87.8	110	ug/Kg
131-11-3	Dimethylphthalate	60	U	60	87.8	110	ug/Kg
208-96-8	Acenaphthylene	59.7	U	59.7	87.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.8	U	60.8	87.8	110	ug/Kg
99-09-2	3-Nitroaniline	63.1	U	63.1	87.8	110	ug/Kg
83-32-9	Acenaphthene	54.2	U	54.2	87.8	110	ug/Kg
Total PAH	Total PAH	970.5	U	970.5	87.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	77	U	77	180	220	ug/Kg
132-64-9	Dibenzofuran	51.9	U	51.9	87.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	28.3	U	128.3	87.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	67.5	U	67.5	87.8	110	ug/Kg
84-66-2	Diethylphthalate	58	U	58	87.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61	U	61	87.8	110	ug/Kg
86-73-7	Fluorene	57.3	U	57.3	87.8	110	ug/Kg
100-01-6	4-Nitroaniline	70.2	U	70.2	87.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	59.3	U	59.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63	U	63	87.8	110	ug/Kg
103-33-3	Azobenzene	49.6	U	49.6	87.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.8	U	65.8	87.8	110	ug/Kg
118-74-1	Hexachlorobenzene	66.7	U	66.7	87.8	110	ug/Kg
1912-24-9	Atrazine	64.4	U	64.4	87.8	110	ug/Kg
87-86-5	Pentachlorophenol	74.9	U	74.9	180	220	ug/Kg
85-01-8	Phenanthrene	62.6	U	62.6	87.8	110	ug/Kg
120-12-7	Anthracene	68.9	U	68.9	87.8	110	ug/Kg
86-74-8	Carbazole	57.3	U	57.3	87.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	70.2	U	70.2	87.8	110	ug/Kg
206-44-0	Fluoranthene	110		63.7	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342	SDG No.:	BF080223
Lab Sample ID:	O3842-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
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
BF134586.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

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	92.7	J	56.5	87.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	69.5	U	69.5	87.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	56.7	U	56.7	87.8	110	ug/Kg
218-01-9	Chrysene	58.6	U	58.6	87.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	77.7	U	77.7	87.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	83.1	U	83.1	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	68.4	J	54.2	87.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	59.5	U	59.5	87.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	63.7	U	63.7	87.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.2	U	72.2	87.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.2	U	65.2	87.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.5	U	62.5	87.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.4	U	60.4	87.8	110	ug/Kg
123-91-1	1,4-Dioxane	79	U	79	87.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56	U	56	87.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	60.9	U	60.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.174		18-112		61	SPK: -150
13127-88-3	Phenol-d6	89.704		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	73.342		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	76.359		20-109		76	SPK: -100
118-79-6	2,4,6-Tribromophenol	91.751		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	69.377		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	184044	6.792				
1146-65-2	Naphthalene-d8	701013	8.075				
15067-26-2	Acenaphthene-d10	300983	9.828				
1517-22-2	Phenanthrene-d10	474848	11.316				
1719-03-5	Chrysene-d12	331244	13.957				
1520-96-3	Perylene-d12	267534	15.421				



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Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342	SDG No.:	BF080223
Lab Sample ID:	O3842-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
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
BF134586.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	52.4	A			5.028	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	210	J			9.269	
000057-10-3	n-Hexadecanoic acid	170	J			11.851	
000122-69-0	Cinnamyl cinnamate	520	J			13.68	
074685-30-6	5-Eicosene, (E)-	170	J			13.821	
018435-45-5	1-Nonadecene	110	J			14.463	
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	64.4	J			14.604	
000192-97-2	Benzo[e]pyrene	48.4	J			15.292	
000198-55-0	Perylene	48.2	J			15.351	

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MS	SDG No.:	BF080223
Lab Sample ID:	O3842-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134587.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	990		52.3	180	220	ug/Kg
110-86-1	Pyridine	850		48.9	87.9	110	ug/Kg
100-52-7	Benzaldehyde	1000		100	180	220	ug/Kg
62-53-3	Aniline	640		79.1	87.9	110	ug/Kg
108-95-2	Phenol	1100		50.3	87.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		60.7	87.9	110	ug/Kg
95-57-8	2-Chlorophenol	1100		48.7	87.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		55.2	87.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		59.8	87.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		55.7	87.9	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		66.8	180	220	ug/Kg
95-48-7	2-Methylphenol	980		77.1	87.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		71	87.9	110	ug/Kg
98-86-2	Acetophenone	990		58.6	87.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	940		73	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	960		39.9	54.1	54.1	ug/Kg
67-72-1	Hexachloroethane	1000		49.8	87.9	110	ug/Kg
98-95-3	Nitrobenzene	1100		50.8	87.9	110	ug/Kg
78-59-1	Isophorone	990		46	87.9	110	ug/Kg
88-75-5	2-Nitrophenol	1100		64.3	87.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	970		67.3	87.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		75.7	87.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		52.8	87.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		52.4	87.9	110	ug/Kg
65-85-0	Benzoic acid	1000		140	180	220	ug/Kg
91-20-3	Naphthalene	970		55	87.9	110	ug/Kg
106-47-8	4-Chloroaniline	330		71	87.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		56.8	87.9	110	ug/Kg
105-60-2	Caprolactam	990		79.1	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	960		55.8	87.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	920		64.2	87.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MS	SDG No.:	BF080223
Lab Sample ID:	O3842-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
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
BF134587.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1100		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		52.1	87.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	980		59.4	87.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		61.7	87.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		57.2	87.9	110	ug/Kg
88-74-4	2-Nitroaniline	1100		67.1	87.9	110	ug/Kg
131-11-3	Dimethylphthalate	1100		60.1	87.9	110	ug/Kg
208-96-8	Acenaphthylene	1000		59.8	87.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		60.8	87.9	110	ug/Kg
99-09-2	3-Nitroaniline	890		63.1	87.9	110	ug/Kg
83-32-9	Acenaphthene	990		54.3	87.9	110	ug/Kg
Total PAH	Total PAH	16670		971.5	87.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	930		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	77.1	180	220	ug/Kg
132-64-9	Dibenzofuran	960		52	87.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		128.3	87.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		67.5	87.9	110	ug/Kg
84-66-2	Diethylphthalate	1100		58.1	87.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		61.1	87.9	110	ug/Kg
86-73-7	Fluorene	930		57.3	87.9	110	ug/Kg
100-01-6	4-Nitroaniline	900		70.3	87.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610		59.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		63.1	87.9	110	ug/Kg
103-33-3	Azobenzene	920		49.7	87.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		65.8	87.9	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		66.8	87.9	110	ug/Kg
1912-24-9	Atrazine	1300		64.5	87.9	110	ug/Kg
87-86-5	Pentachlorophenol	1800	E	75	180	220	ug/Kg
85-01-8	Phenanthrene	1100		62.7	87.9	110	ug/Kg
120-12-7	Anthracene	1000		69	87.9	110	ug/Kg
86-74-8	Carbazole	990		57.4	87.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		70.3	87.9	110	ug/Kg
206-44-0	Fluoranthene	1100		63.8	87.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MS	SDG No.:	BF080223
Lab Sample ID:	O3842-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134587.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1700		130	180	220	ug/Kg
129-00-0	Pyrene	1100		56.6	87.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	1300		69.6	87.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		56.7	87.9	110	ug/Kg
218-01-9	Chrysene	1000		58.7	87.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		77.7	87.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		83.2	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		54.3	87.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		59.6	87.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	990		63.7	87.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		72.3	87.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		65.2	87.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	990		62.5	87.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		60.4	87.9	110	ug/Kg
123-91-1	1,4-Dioxane	890		79.1	87.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		56	87.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	950		61	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.034		18-112		55	SPK: -150
13127-88-3	Phenol-d6	83.295		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	65.695		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	68.081		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.301		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	69.195		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	182652	6.798				
1146-65-2	Naphthalene-d8	717092	8.075				
15067-26-2	Acenaphthene-d10	319146	9.827				
1517-22-2	Phenanthrene-d10	488797	11.316				
1719-03-5	Chrysene-d12	298424	13.962				
1520-96-3	Perylene-d12	264649	15.421				



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Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MS	SDG No.:	BF080223
Lab Sample ID:	O3842-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134587.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

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

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MSD	SDG No.:	BF080223
Lab Sample ID:	O3842-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
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
BF134588.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		52.2	180	220	ug/Kg
110-86-1	Pyridine	860		48.9	87.8	110	ug/Kg
100-52-7	Benzaldehyde	1100		100	180	220	ug/Kg
62-53-3	Aniline	660		79.1	87.8	110	ug/Kg
108-95-2	Phenol	1100		50.3	87.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		60.7	87.8	110	ug/Kg
95-57-8	2-Chlorophenol	1100		48.7	87.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		55.2	87.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		59.8	87.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		55.7	87.8	110	ug/Kg
100-51-6	Benzyl Alcohol	1100		66.8	180	220	ug/Kg
95-48-7	2-Methylphenol	1000		77	87.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		71	87.8	110	ug/Kg
98-86-2	Acetophenone	1000		58.6	87.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	970		73	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		39.9	54.1	54.1	ug/Kg
67-72-1	Hexachloroethane	1000		49.7	87.8	110	ug/Kg
98-95-3	Nitrobenzene	1100		50.8	87.8	110	ug/Kg
78-59-1	Isophorone	1000		46	87.8	110	ug/Kg
88-75-5	2-Nitrophenol	1200		64.3	87.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		67.3	87.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		75.7	87.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		52.8	87.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		52.4	87.8	110	ug/Kg
65-85-0	Benzoic acid	1100		140	180	220	ug/Kg
91-20-3	Naphthalene	1000		55	87.8	110	ug/Kg
106-47-8	4-Chloroaniline	320		71	87.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		56.8	87.8	110	ug/Kg
105-60-2	Caprolactam	1100		79.1	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		55.8	87.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	960		64.1	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MSD	SDG No.:	BF080223
Lab Sample ID:	O3842-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
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
BF134588.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1100		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		52.1	87.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		59.4	87.8	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		61.7	87.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		57.2	87.8	110	ug/Kg
88-74-4	2-Nitroaniline	1100		67.1	87.8	110	ug/Kg
131-11-3	Dimethylphthalate	1200		60.1	87.8	110	ug/Kg
208-96-8	Acenaphthylene	1100		59.7	87.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		60.8	87.8	110	ug/Kg
99-09-2	3-Nitroaniline	930		63.1	87.8	110	ug/Kg
83-32-9	Acenaphthene	1000		54.3	87.8	110	ug/Kg
Total PAH	Total PAH	17260		971.1	87.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	990		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	77	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		52	87.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300		128.3	87.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		67.5	87.8	110	ug/Kg
84-66-2	Diethylphthalate	1100		58	87.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		61.1	87.8	110	ug/Kg
86-73-7	Fluorene	960		57.3	87.8	110	ug/Kg
100-01-6	4-Nitroaniline	920		70.3	87.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	620		59.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		63	87.8	110	ug/Kg
103-33-3	Azobenzene	950		49.7	87.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		65.8	87.8	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		66.8	87.8	110	ug/Kg
1912-24-9	Atrazine	1300		64.5	87.8	110	ug/Kg
87-86-5	Pentachlorophenol	1800	E	75	180	220	ug/Kg
85-01-8	Phenanthrene	1100		62.6	87.8	110	ug/Kg
120-12-7	Anthracene	1100		68.9	87.8	110	ug/Kg
86-74-8	Carbazole	1000		57.4	87.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		70.3	87.8	110	ug/Kg
206-44-0	Fluoranthene	1100		63.8	87.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MSD	SDG No.:	BF080223
Lab Sample ID:	O3842-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134588.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1800		130	180	220	ug/Kg
129-00-0	Pyrene	1200		56.6	87.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	1300		69.6	87.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		56.7	87.8	110	ug/Kg
218-01-9	Chrysene	1100		58.7	87.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		77.7	87.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		83.1	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		54.3	87.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		59.5	87.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		63.7	87.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		72.3	87.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		65.2	87.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		62.5	87.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		60.4	87.8	110	ug/Kg
123-91-1	1,4-Dioxane	920		79.1	87.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		56	87.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	970		61	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.267		18-112		57	SPK: -150
13127-88-3	Phenol-d6	86.389		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	68.996		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	71.055		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.265		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	71.353		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	181777	6.798				
1146-65-2	Naphthalene-d8	701536	8.075				
15067-26-2	Acenaphthene-d10	312627	9.827				
1517-22-2	Phenanthrene-d10	481026	11.316				
1719-03-5	Chrysene-d12	295202	13.962				
1520-96-3	Perylene-d12	261683	15.421				



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

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	342MSD	SDG No.:	BF080223
Lab Sample ID:	O3842-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.3
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134588.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

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

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF080223
Lab Sample ID:	O3842-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134589.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	48.7	U	48.7	170	210	ug/Kg
110-86-1	Pyridine	45.6	U	45.6	82	110	ug/Kg
100-52-7	Benzaldehyde	93.3	U	93.3	170	210	ug/Kg
62-53-3	Aniline	73.8	U	73.8	82	110	ug/Kg
108-95-2	Phenol	46.9	U	46.9	82	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.6	U	56.6	82	110	ug/Kg
95-57-8	2-Chlorophenol	45.4	U	45.4	82	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	51.5	U	51.5	82	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.8	U	55.8	82	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	82	110	ug/Kg
100-51-6	Benzyl Alcohol	62.3	U	62.3	170	210	ug/Kg
95-48-7	2-Methylphenol	71.9	U	71.9	82	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.2	U	66.2	82	110	ug/Kg
98-86-2	Acetophenone	54.7	U	54.7	82	110	ug/Kg
65794-96-9	3+4-Methylphenols	68.1	U	68.1	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.2	U	37.2	50.4	50.4	ug/Kg
67-72-1	Hexachloroethane	46.4	U	46.4	82	110	ug/Kg
98-95-3	Nitrobenzene	47.4	U	47.4	82	110	ug/Kg
78-59-1	Isophorone	42.9	U	42.9	82	110	ug/Kg
88-75-5	2-Nitrophenol	60	U	60	82	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.8	U	62.8	82	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	70.6	U	70.6	82	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.2	U	49.2	82	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	48.9	U	48.9	82	110	ug/Kg
65-85-0	Benzoic acid	130	U	130	170	210	ug/Kg
91-20-3	Naphthalene	51.3	U	51.3	82	110	ug/Kg
106-47-8	4-Chloroaniline	66.2	U	66.2	82	110	ug/Kg
87-68-3	Hexachlorobutadiene	53	U	53	82	110	ug/Kg
105-60-2	Caprolactam	73.8	U	73.8	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	U	52	82	110	ug/Kg
91-57-6	2-Methylnaphthalene	59.8	U	59.8	82	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF080223
Lab Sample ID:	O3842-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
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
BF134589.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

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	48.6	U	48.6	82	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	55.4	U	55.4	82	110	ug/Kg
92-52-4	1,1-Biphenyl	57.6	U	57.6	82	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.3	U	53.3	82	110	ug/Kg
88-74-4	2-Nitroaniline	62.6	U	62.6	82	110	ug/Kg
131-11-3	Dimethylphthalate	56	U	56	82	110	ug/Kg
208-96-8	Acenaphthylene	55.7	U	55.7	82	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.7	U	56.7	82	110	ug/Kg
99-09-2	3-Nitroaniline	58.9	U	58.9	82	110	ug/Kg
83-32-9	Acenaphthene	330		50.6	82	110	ug/Kg
Total PAH	Total PAH	5974.7		905.8	82	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	170	210	ug/Kg
100-02-7	4-Nitrophenol	71.9	U	71.9	170	210	ug/Kg
132-64-9	Dibenzofuran	180		48.5	82	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	19.7	U	119.7	82	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	63	U	63	82	110	ug/Kg
84-66-2	Diethylphthalate	54.2	U	54.2	82	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57	U	57	82	110	ug/Kg
86-73-7	Fluorene	360		53.5	82	110	ug/Kg
100-01-6	4-Nitroaniline	65.6	U	65.6	82	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	55.4	U	55.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	58.8	U	58.8	82	110	ug/Kg
103-33-3	Azobenzene	46.3	U	46.3	82	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.4	U	61.4	82	110	ug/Kg
118-74-1	Hexachlorobenzene	62.3	U	62.3	82	110	ug/Kg
1912-24-9	Atrazine	60.1	U	60.1	82	110	ug/Kg
87-86-5	Pentachlorophenol	70	U	70	170	210	ug/Kg
85-01-8	Phenanthrene	1500		58.4	82	110	ug/Kg
120-12-7	Anthracene	290		64.3	82	110	ug/Kg
86-74-8	Carbazole	53.5	U	53.5	82	110	ug/Kg
84-74-2	Di-n-butylphthalate	65.6	U	65.6	82	110	ug/Kg
206-44-0	Fluoranthene	1500		59.5	82	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF080223
Lab Sample ID:	O3842-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134589.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154558

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	930		52.8	82	110	ug/Kg
85-68-7	Butylbenzylphthalate	64.9	U	64.9	82	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	320		52.9	82	110	ug/Kg
218-01-9	Chrysene	300		54.7	82	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72.5	U	72.5	82	110	ug/Kg
117-84-0	Di-n-octyl phthalate	77.5	U	77.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	230		50.6	82	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	84.7	J	55.5	82	110	ug/Kg
50-32-8	Benzo(a)pyrene	130		59.4	82	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	67.5	U	67.5	82	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.8	U	60.8	82	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.3	U	58.3	82	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.4	U	56.4	82	110	ug/Kg
123-91-1	1,4-Dioxane	73.8	U	73.8	82	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.3	U	52.3	82	110	ug/Kg
90-12-0	1-Methylnaphthalene	56.9	U	56.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.277		18-112		58	SPK: -150
13127-88-3	Phenol-d6	84.143		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	69.396		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	72.299		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	79.935		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	64.969		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	171543	6.793				
1146-65-2	Naphthalene-d8	645104	8.069				
15067-26-2	Acenaphthene-d10	275019	9.828				
1517-22-2	Phenanthrene-d10	436053	11.316				
1719-03-5	Chrysene-d12	304764	13.963				
1520-96-3	Perylene-d12	240339	15.421				

Report of Analysis

Client:		Date Collected:	7/31/2023 12:00:00 AM
Project:		Date Received:	7/31/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BF080223
Lab Sample ID:	O3842-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134589.D	1	8/1/2023 12:00:00 AM	8/2/2023 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	230	J			9.269	
000582-16-1	Naphthalene, 2,7-dimethyl-	91.2	J			9.41	
000581-40-8	Naphthalene, 2,3-dimethyl-	88.3	J			9.487	
014562-09-5	2,4,6-Cycloheptatrien-1-one, 2-phe	130	J			10.534	
1000486-97-7	2,4,2,4-Tetramethyl-biphenyl	160	J			10.733	
001430-97-3	9H-Fluorene, 2-methyl-	150	J			10.922	
001634-74-8	Benzene, 1,1-methylenebis[2-methy	91	J			11.051	
000486-25-9	9H-Fluoren-9-one	84.5	J			11.116	
400744-83-4	3-Methyl-[1,1-biphenyl]-4-carbal	120	J			11.163	
000132-65-0	Dibenzothiophene	160	J			11.21	
002531-84-2	Phenanthrene, 2-methyl-	210	J			11.816	
000613-12-7	Anthracene, 2-methyl-	340	J			11.845	
000203-64-5	4H-Cyclopenta[def]phenanthrene	380	J			11.928	
000612-94-2	Naphthalene, 2-phenyl-	140	J			12.116	
001576-67-6	Phenanthrene, 3,6-dimethyl-	110	J			12.369	
005737-13-3	Cyclopenta(def)phenanthrenone	92.5	J			12.451	
002381-21-7	Pyrene, 1-methyl-	84.9	J			12.98	
000243-17-4	11H-Benzo[b]fluorene	95	J			13.086	
020548-62-3	Di-isononyl phthlate	200	J			14.739	
000192-97-2	Benzo[e]pyrene	140	J			15.298	

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134590.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84.3	U	84.3	290	360	ug/Kg
110-86-1	Pyridine	78.9	U	78.9	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	81.1	U	81.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.9	U	97.9	140	190	ug/Kg
95-57-8	2-Chlorophenol	78.5	U	78.5	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.1	U	89.1	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.5	U	96.5	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	89.8	U	89.8	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	360	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	190	ug/Kg
98-86-2	Acetophenone	94.5	U	94.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.3	U	64.3	87.2	87.2	ug/Kg
67-72-1	Hexachloroethane	80.2	U	80.2	140	190	ug/Kg
98-95-3	Nitrobenzene	82	U	82	140	190	ug/Kg
78-59-1	Isophorone	74.2	U	74.2	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.1	U	85.1	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	84.5	U	84.5	140	190	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	360	ug/Kg
91-20-3	Naphthalene	88.7	U	88.7	140	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.6	U	91.6	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.9	U	89.9	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134590.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

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	84	U	84	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.8	U	95.8	140	190	ug/Kg
92-52-4	1,1-Biphenyl	99.5	U	99.5	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.2	U	92.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	96.9	U	96.9	140	190	ug/Kg
208-96-8	Acenaphthylene	96.4	U	96.4	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.1	U	98.1	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	87.5	U	87.5	140	190	ug/Kg
Total PAH	Total PAH	1565.8	U	1565.8	140	3040	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	83.8	U	83.8	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	208.1	U	208.1	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	93.6	U	93.6	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	140	190	ug/Kg
86-73-7	Fluorene	92.4	U	92.4	140	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.7	U	95.7	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	80.1	U	80.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	360	ug/Kg
85-01-8	Phenanthrene	100	U	100	140	190	ug/Kg
120-12-7	Anthracene	110	U	110	140	190	ug/Kg
86-74-8	Carbazole	92.5	U	92.5	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	190	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134590.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

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	91.2	U	91.2	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	91.5	U	91.5	140	190	ug/Kg
218-01-9	Chrysene	94.6	U	94.6	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.5	U	87.5	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	96	U	96	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.4	U	97.4	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.4	U	90.4	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	98.3	U	98.3	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	65.018		18-112		43	SPK: -150
13127-88-3	Phenol-d6	63.434		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	51.531		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	55.841		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.409		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	51.424		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	197351	6.792				
1146-65-2	Naphthalene-d8	758432	8.069				
15067-26-2	Acenaphthene-d10	332253	9.827				
1517-22-2	Phenanthrene-d10	517735	11.316				
1719-03-5	Chrysene-d12	352750	13.957				
1520-96-3	Perylene-d12	281381	15.421				



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Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134590.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	77.4	A			5.022	
006222-03-3	Trifluoroacetoxy hexadecane	150	J			13.821	

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134591.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	88.6	U	88.6	310	380	ug/Kg
110-86-1	Pyridine	82.9	U	82.9	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	85.2	U	85.2	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	82.5	U	82.5	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.6	U	93.6	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.4	U	94.4	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	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	99.3	U	99.3	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.6	U	67.6	91.6	91.6	ug/Kg
67-72-1	Hexachloroethane	84.3	U	84.3	150	190	ug/Kg
98-95-3	Nitrobenzene	86.1	U	86.1	150	190	ug/Kg
78-59-1	Isophorone	78	U	78	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	89.5	U	89.5	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88.8	U	88.8	150	190	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	96.2	U	96.2	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94.5	U	94.5	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134591.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.3	U	88.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	96.9	U	96.9	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	92	U	92	150	190	ug/Kg
Total PAH	Total PAH	1655.8	U	1655.8	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.1	U	88.1	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	98.4	U	98.4	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	97.1	U	97.1	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	84.2	U	84.2	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	380	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	97.3	U	97.3	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134591.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	95.9	U	95.9	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	380	ug/Kg
56-55-3	Benzo(a)anthracene	96.1	U	96.1	150	190	ug/Kg
218-01-9	Chrysene	99.4	U	99.4	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	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	92	U	92	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	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	110	U	110	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	95	U	95	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.099		18-112		49	SPK: -150
13127-88-3	Phenol-d6	75.122		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	59.069		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	65.26		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.211		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	55.854		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	167155	6.792				
1146-65-2	Naphthalene-d8	617711	8.075				
15067-26-2	Acenaphthene-d10	259064	9.827				
1517-22-2	Phenanthrene-d10	412346	11.316				
1719-03-5	Chrysene-d12	293987	13.957				
1520-96-3	Perylene-d12	234678	15.421				



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Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-10	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134591.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	85.9	J			11.851	
074685-30-6	5-Eicosene, (E)-	160	J			13.821	

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:	B-P2B	SDG No.:	BF080223
Lab Sample ID:	O3834-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134592.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	88.8	U	88.8	310	380	ug/Kg
110-86-1	Pyridine	83.2	U	83.2	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	200	ug/Kg
108-95-2	Phenol	85.5	U	85.5	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	82.7	U	82.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.9	U	93.9	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.7	U	94.7	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	99.6	U	99.6	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.8	U	67.8	91.9	91.9	ug/Kg
67-72-1	Hexachloroethane	84.6	U	84.6	150	200	ug/Kg
98-95-3	Nitrobenzene	86.4	U	86.4	150	200	ug/Kg
78-59-1	Isophorone	78.2	U	78.2	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	89.7	U	89.7	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89	U	89	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	93.5	U	93.5	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.5	U	96.5	150	200	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94.8	U	94.8	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	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:	B-P2B	SDG No.:	BF080223
Lab Sample ID:	O3834-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134592.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.6	U	88.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.2	U	97.2	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	92.3	U	92.3	150	200	ug/Kg
Total PAH	Total PAH	1657.8	U	1657.8	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.4	U	88.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	400	ug/Kg
84-66-2	Diethylphthalate	98.7	U	98.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	97.4	U	97.4	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	84.5	U	84.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	97.6	U	97.6	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	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:	B-P2B	SDG No.:	BF080223
Lab Sample ID:	O3834-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134592.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	96.2	U	96.2	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	96.4	U	96.4	150	200	ug/Kg
218-01-9	Chrysene	99.7	U	99.7	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.3	U	92.3	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.3	U	95.3	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	54.506		18-112		36	SPK: -150
13127-88-3	Phenol-d6	55.061		15-107		37	SPK: -150
4165-60-0	Nitrobenzene-d5	42.75		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	49.323		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	56.637		10-110		38	SPK: -150
1718-51-0	Terphenyl-d14	44.38		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	169201	6.792				
1146-65-2	Naphthalene-d8	629607	8.069				
15067-26-2	Acenaphthene-d10	262895	9.828				
1517-22-2	Phenanthrene-d10	426447	11.31				
1719-03-5	Chrysene-d12	290445	13.957				
1520-96-3	Perylene-d12	233387	15.421				

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:	B-P2B	SDG No.:	BF080223
Lab Sample ID:	O3834-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134592.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	140	J			11.851	
007683-64-9	Supraene	240	J			14.833	
1000406-32-1	Hexacosane, 1-iodo-	100	J			15.104	
007390-81-0	Oxirane, hexadecyl-	88.9	J			15.698	
1000406-31-9	Docosane, 1-iodo-	80.4	J			15.939	
001599-67-3	1-Docosene	95	J			15.998	
000124-25-4	Tetradecanal	210	J			16.762	
	unknown17.092	83.9	J			17.092	
1000210-86-9	17-(1,5-Dimethylhexyl)-10,13-dimet	180	J			17.539	
	unknown18.580	120	J			18.58	

Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	82ND-1	SDG No.:	BF080223
Lab Sample ID:	O3833-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134593.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84.2	U	84.2	290	360	ug/Kg
110-86-1	Pyridine	78.9	U	78.9	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	81.1	U	81.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.8	U	97.8	140	190	ug/Kg
95-57-8	2-Chlorophenol	78.5	U	78.5	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	89	U	89	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.4	U	96.4	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	89.8	U	89.8	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	360	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	190	ug/Kg
98-86-2	Acetophenone	94.5	U	94.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.3	U	64.3	87.2	87.2	ug/Kg
67-72-1	Hexachloroethane	80.2	U	80.2	140	190	ug/Kg
98-95-3	Nitrobenzene	81.9	U	81.9	140	190	ug/Kg
78-59-1	Isophorone	74.2	U	74.2	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.1	U	85.1	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	84.4	U	84.4	140	190	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	360	ug/Kg
91-20-3	Naphthalene	88.7	U	88.7	140	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.5	U	91.5	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.9	U	89.9	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	82ND-1	SDG No.:	BF080223
Lab Sample ID:	O3833-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134593.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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	84	U	84	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.8	U	95.8	140	190	ug/Kg
92-52-4	1,1-Biphenyl	99.5	U	99.5	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.2	U	92.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	96.9	U	96.9	140	190	ug/Kg
208-96-8	Acenaphthylene	96.3	U	96.3	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.1	U	98.1	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	87.5	U	87.5	140	190	ug/Kg
Total PAH	Total PAH	1565.6	U	1565.6	140	3040	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	83.8	U	83.8	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	208.1	U	208.1	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	93.6	U	93.6	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	140	190	ug/Kg
86-73-7	Fluorene	92.4	U	92.4	140	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.7	U	95.7	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	80.1	U	80.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	360	ug/Kg
85-01-8	Phenanthrene	100	U	100	140	190	ug/Kg
120-12-7	Anthracene	110	U	110	140	190	ug/Kg
86-74-8	Carbazole	92.5	U	92.5	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	190	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	82ND-1	SDG No.:	BF080223
Lab Sample ID:	O3833-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134593.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

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	91.2	U	91.2	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	91.4	U	91.4	140	190	ug/Kg
218-01-9	Chrysene	94.6	U	94.6	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.5	U	87.5	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	96	U	96	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.4	U	97.4	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.3	U	90.3	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	98.3	U	98.3	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	52.139		18-112		35	SPK: -150
13127-88-3	Phenol-d6	50.565		15-107		34	SPK: -150
4165-60-0	Nitrobenzene-d5	39.806		18-107		40	SPK: -100
321-60-8	2-Fluorobiphenyl	43.09		20-109		43	SPK: -100
118-79-6	2,4,6-Tribromophenol	46.924		10-110		31	SPK: -150
1718-51-0	Terphenyl-d14	38.129		14-112		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	170056	6.793				
1146-65-2	Naphthalene-d8	638149	8.069				
15067-26-2	Acenaphthene-d10	266213	9.828				
1517-22-2	Phenanthrene-d10	425291	11.31				
1719-03-5	Chrysene-d12	296693	13.957				
1520-96-3	Perylene-d12	240790	15.421				



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Report of Analysis

Client:		Date Collected:	7/27/2023 12:00:00 AM
Project:		Date Received:	7/27/2023 12:00:00 AM
Client Sample ID:	82ND-1	SDG No.:	BF080223
Lab Sample ID:	O3833-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134593.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
959085-66-6	Heptadecyl heptafluorobutyrate	80.6	J			13.822	

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF134594.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.1	U	92.1	320	390	ug/Kg
110-86-1	Pyridine	86.2	U	86.2	150	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	88.6	U	88.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	85.7	U	85.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.3	U	97.3	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.1	U	98.1	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	140	U	140	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.3	U	70.3	95.3	95.3	ug/Kg
67-72-1	Hexachloroethane	87.7	U	87.7	150	200	ug/Kg
98-95-3	Nitrobenzene	89.6	U	89.6	150	200	ug/Kg
78-59-1	Isophorone	81.1	U	81.1	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93	U	93	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.3	U	92.3	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	96.9	U	96.9	150	200	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.3	U	98.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF134594.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.8	U	91.8	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	150	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	95.6	U	95.6	150	200	ug/Kg
Total PAH	Total PAH	1697.7	U	1697.7	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	91.6	U	91.6	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	87.5	U	87.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	170	J	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	100	U	100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	260		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF134594.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	210		99.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	99.9	150	200	ug/Kg
218-01-9	Chrysene	120	J	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	J	95.6	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.7	U	98.7	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.381		18-112		48	SPK: -150
13127-88-3	Phenol-d6	71.034		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	58.485		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	62.657		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	71.125		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	51		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	175579	6.793				
1146-65-2	Naphthalene-d8	655208	8.069				
15067-26-2	Acenaphthene-d10	275585	9.828				
1517-22-2	Phenanthrene-d10	445934	11.316				
1719-03-5	Chrysene-d12	316680	13.957				
1520-96-3	Perylene-d12	249970	15.421				



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Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-56-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF134594.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	270	J			11.851	
015594-90-8	1-Heneicosanol	160	J			13.822	
000192-97-2	Benzo[e]pyrene	110	J			15.292	

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.3
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
BF134595.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	94.5	U	94.5	330	400	ug/Kg
110-86-1	Pyridine	88.5	U	88.5	160	210	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	400	ug/Kg
62-53-3	Aniline	140	U	140	160	210	ug/Kg
108-95-2	Phenol	90.9	U	90.9	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	88	U	88	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	99.9	U	99.9	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	210	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	330	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	72.1	U	72.1	97.8	97.8	ug/Kg
67-72-1	Hexachloroethane	90	U	90	160	210	ug/Kg
98-95-3	Nitrobenzene	91.9	U	91.9	160	210	ug/Kg
78-59-1	Isophorone	83.2	U	83.2	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	95.5	U	95.5	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.7	U	94.7	160	210	ug/Kg
65-85-0	Benzoic acid	260	U	260	330	400	ug/Kg
91-20-3	Naphthalene	99.5	U	99.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	140	U	140	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.3
Sample Wt/Vol:	30.04	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
BF134595.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	260	U	260	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.2	U	94.2	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	98.2	U	98.2	160	210	ug/Kg
Total PAH	Total PAH	11650	U	1755.9	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	94	U	94	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
84-66-2	Diethylphthalate	110	U	110	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	J	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	210	ug/Kg
103-33-3	Azobenzene	89.8	U	89.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	210	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	330	400	ug/Kg
85-01-8	Phenanthrene	1600		110	160	210	ug/Kg
120-12-7	Anthracene	260		120	160	210	ug/Kg
86-74-8	Carbazole	180	J	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	210	ug/Kg
206-44-0	Fluoranthene	2100		120	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.3
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
BF134595.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	240	U	240	330	400	ug/Kg
129-00-0	Pyrene	1900		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	900		100	160	210	ug/Kg
218-01-9	Chrysene	950		110	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		98.2	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	390		110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	920		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	510		130	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	120	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	570		110	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.456		18-112		52	SPK: -150
13127-88-3	Phenol-d6	77.483		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	61.335		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	64.499		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.246		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	52.898		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	175911	6.792				
1146-65-2	Naphthalene-d8	669404	8.075				
15067-26-2	Acenaphthene-d10	284886	9.828				
1517-22-2	Phenanthrene-d10	456917	11.316				
1719-03-5	Chrysene-d12	313689	13.963				
1520-96-3	Perylene-d12	251986	15.421				

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-53-(0-2)	SDG No.:	BF080223
Lab Sample ID:	O3598-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.3
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
BF134595.D	1	8/1/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000142-82-5	Heptane	110	J			2.393	
000486-25-9	9H-Fluoren-9-one	110	J			11.116	
000610-48-0	Anthracene, 1-methyl-	250	J			11.816	
002531-84-2	Phenanthrene, 2-methyl-	430	J			11.845	
000203-64-5	4H-Cyclopenta[def]phenanthrene	370	J			11.927	
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	170	J			11.951	
000612-94-2	Naphthalene, 2-phenyl-	200	J			12.116	
000084-65-1	9,10-Anthracenedione	280	J			12.133	
000483-87-4	Phenanthrene, 1,7-dimethyl-	220	J			12.368	
001576-69-8	Phenanthrene, 2,7-dimethyl-	100	J			12.404	
005737-13-3	Cyclopenta(def)phenanthrenone	170	J			12.451	
000243-17-4	11H-Benzo[b]fluorene	130	J			12.98	
002381-21-7	Pyrene, 1-methyl-	100	J			13.086	
033543-31-6	Fluoranthene, 2-methyl-	130	J			13.192	
000243-46-9	Benzo[b]naphtho[2,3-d]thiophene	110	J			13.704	
003351-28-8	Chrysene, 1-methyl-	100	J			14.345	
000629-92-5	Nonadecane	120	J			14.762	
000192-97-2	Benzo[e]pyrene	210	J			15.104	
000198-55-0	Perylene	720	J			15.298	
000215-58-7	Benzo[b]triphenylene	120	J			17.074	

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:	B-P2A	SDG No.:	BF080223
Lab Sample ID:	O3834-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134596.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	85.7	U	85.7	300	370	ug/Kg
110-86-1	Pyridine	80.3	U	80.3	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	300	370	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	82.5	U	82.5	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	99.6	U	99.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	79.9	U	79.9	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.6	U	90.6	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	98.2	U	98.2	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.4	U	91.4	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	140	190	ug/Kg
98-86-2	Acetophenone	96.2	U	96.2	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	65.4	U	65.4	88.7	88.7	ug/Kg
67-72-1	Hexachloroethane	81.6	U	81.6	140	190	ug/Kg
98-95-3	Nitrobenzene	83.4	U	83.4	140	190	ug/Kg
78-59-1	Isophorone	75.5	U	75.5	140	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86.6	U	86.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	86	U	86	140	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	90.3	U	90.3	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.2	U	93.2	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.5	U	91.5	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	140	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:	B-P2A	SDG No.:	BF080223
Lab Sample ID:	O3834-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134596.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.5	U	85.5	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.5	U	97.5	140	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.8	U	93.8	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	98.6	U	98.6	140	190	ug/Kg
208-96-8	Acenaphthylene	98.1	U	98.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	99.8	U	99.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	89.1	U	89.1	140	190	ug/Kg
Total PAH	Total PAH	1580.6	U	1580.6	140	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	85.3	U	85.3	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	209.8	U	209.8	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	95.3	U	95.3	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	140	190	ug/Kg
86-73-7	Fluorene	94.1	U	94.1	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.4	U	97.4	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	81.5	U	81.5	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	110	U	110	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	370	ug/Kg
85-01-8	Phenanthrene	100	U	100	140	190	ug/Kg
120-12-7	Anthracene	110	U	110	140	190	ug/Kg
86-74-8	Carbazole	94.2	U	94.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	140	190	ug/Kg
206-44-0	Fluoranthene	100	U	100	140	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:	B-P2A	SDG No.:	BF080223
Lab Sample ID:	O3834-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134596.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	300	370	ug/Kg
129-00-0	Pyrene	92.8	U	92.8	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	93.1	U	93.1	140	190	ug/Kg
218-01-9	Chrysene	96.3	U	96.3	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.1	U	89.1	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	97.7	U	97.7	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.2	U	99.2	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92	U	92	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	49.912		18-112		33	SPK: -150
13127-88-3	Phenol-d6	49.113		15-107		33	SPK: -150
4165-60-0	Nitrobenzene-d5	38.216		18-107		38	SPK: -100
321-60-8	2-Fluorobiphenyl	38.511		20-109		39	SPK: -100
118-79-6	2,4,6-Tribromophenol	43.233		10-110		29	SPK: -150
1718-51-0	Terphenyl-d14	34.96		14-112		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172723	6.792				
1146-65-2	Naphthalene-d8	653580	8.069				
15067-26-2	Acenaphthene-d10	281294	9.828				
1517-22-2	Phenanthrene-d10	452555	11.316				
1719-03-5	Chrysene-d12	307512	13.957				
1520-96-3	Perylene-d12	242392	15.421				

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:	B-P2A	SDG No.:	BF080223
Lab Sample ID:	O3834-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134596.D	1	7/31/2023 12:00:00 AM	8/2/2023 12:00:00 AM	PB154526

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	110	J			11.851	
074685-30-6	5-Eicosene, (E)-	230	J			13.821	
1000351-74-9	Octacosyl trifluoroacetate	160	J			14.457	
000638-67-5	Tricosane	140	J			15.104	
010192-32-2	1-Tetracosene	160	J			15.127	
014811-95-1	1,19-Eicosadiene	110	J			15.698	
000544-76-3	Hexadecane	120	J			15.939	
015594-90-8	1-Heneicosanol	280	J			15.992	
000083-46-5	.beta.-Sitosterol	590	J			17.533	
001617-70-5	Lup-20(29)-en-3-one	210	J			18.109	
	unknown18.362	76.9	J			18.362	
001058-61-3	Stigmast-4-en-3-one	250	J			18.58	

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-55-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
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
BF134597.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89.1	U	89.1	310	380	ug/Kg
110-86-1	Pyridine	83.4	U	83.4	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	200	ug/Kg
108-95-2	Phenol	85.7	U	85.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	83	U	83	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	94.1	U	94.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.9	U	94.9	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	99.9	U	99.9	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68	U	68	92.2	92.2	ug/Kg
67-72-1	Hexachloroethane	84.8	U	84.8	150	200	ug/Kg
98-95-3	Nitrobenzene	86.6	U	86.6	150	200	ug/Kg
78-59-1	Isophorone	78.5	U	78.5	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90	U	90	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.3	U	89.3	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	93.8	U	93.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.8	U	96.8	150	200	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.1	U	95.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-55-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
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
BF134597.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.8	U	88.8	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.5	U	97.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	92.5	U	92.5	150	200	ug/Kg
Total PAH	Total PAH	2430	U	1659.6	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	99	U	99	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	97.7	U	97.7	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	84.7	U	84.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	210		110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	97.8	U	97.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	420		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-55-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
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
BF134597.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	360		96.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	210		96.7	150	200	ug/Kg
218-01-9	Chrysene	220		100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	340		92.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	250		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	J	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.5	U	95.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.365		18-112		56	SPK: -150
13127-88-3	Phenol-d6	82.345		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	67.32		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	73.309		20-109		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.086		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	60.566		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	170495	6.792				
1146-65-2	Naphthalene-d8	640937	8.069				
15067-26-2	Acenaphthene-d10	264717	9.827				
1517-22-2	Phenanthrene-d10	424459	11.31				
1719-03-5	Chrysene-d12	310506	13.957				
1520-96-3	Perylene-d12	244341	15.421				



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Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-55-(2-5)	SDG No.:	BF080223
Lab Sample ID:	O3598-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
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
BF134597.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	190	J			11.851	
015594-90-8	1-Heneicosanol	200	J			13.815	
1000351-74-9	Octacosyl trifluoroacetate	96	J			14.457	
1010144-57-9	16-Heptadecenal	130	J			14.904	
000192-97-2	Benzo[e]pyrene	130	J			15.104	
000506-51-4	n-Tetracosanol-1	180	J			15.127	
000198-55-0	Perylene	190	J			15.292	

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-57-(5-7)	SDG No.:	BF080223
Lab Sample ID:	O3598-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134598.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84.1	U	84.1	290	360	ug/Kg
110-86-1	Pyridine	78.8	U	78.8	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	290	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	81	U	81	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97.7	U	97.7	140	190	ug/Kg
95-57-8	2-Chlorophenol	78.4	U	78.4	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.9	U	88.9	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.3	U	96.3	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	89.7	U	89.7	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	290	360	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	190	ug/Kg
98-86-2	Acetophenone	94.4	U	94.4	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.2	U	64.2	87.1	87.1	ug/Kg
67-72-1	Hexachloroethane	80.1	U	80.1	140	190	ug/Kg
98-95-3	Nitrobenzene	81.8	U	81.8	140	190	ug/Kg
78-59-1	Isophorone	74.1	U	74.1	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85	U	85	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	84.3	U	84.3	140	190	ug/Kg
65-85-0	Benzoic acid	230	U	230	290	360	ug/Kg
91-20-3	Naphthalene	120	J	88.6	140	190	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.4	U	91.4	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.8	U	89.8	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	830		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-57-(5-7)	SDG No.:	BF080223
Lab Sample ID:	O3598-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134598.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

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	83.9	U	83.9	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.7	U	95.7	140	190	ug/Kg
92-52-4	1,1-Biphenyl	180	J	99.4	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.1	U	92.1	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	96.7	U	96.7	140	190	ug/Kg
208-96-8	Acenaphthylene	170	J	96.2	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	97.9	U	97.9	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	1800		87.4	140	190	ug/Kg
Total PAH	Total PAH	56440		1564.7	140	3040	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	500		83.7	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	207.9	U	207.9	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	93.5	U	93.5	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.4	U	98.4	140	190	ug/Kg
86-73-7	Fluorene	1500		92.3	140	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	95.5	U	95.5	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	80	U	80	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	290	360	ug/Kg
85-01-8	Phenanthrene	11700	E	100	140	190	ug/Kg
120-12-7	Anthracene	2800		110	140	190	ug/Kg
86-74-8	Carbazole	330		92.4	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	190	ug/Kg
206-44-0	Fluoranthene	6800	E	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-57-(5-7)	SDG No.:	BF080223
Lab Sample ID:	O3598-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134598.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

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	9700	E	91.1	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	5300	E	91.3	140	190	ug/Kg
218-01-9	Chrysene	4800	E	94.5	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	4100	E	87.4	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	960		95.9	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	3100	E	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	590		110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.3	U	97.3	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.2	U	90.2	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	1200		98.2	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.439		18-112		47	SPK: -150
13127-88-3	Phenol-d6	70.181		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	57.043		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	61.83		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	52.653		10-110		35	SPK: -150
1718-51-0	Terphenyl-d14	64.253		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	171659	6.792				
1146-65-2	Naphthalene-d8	635316	8.075				
15067-26-2	Acenaphthene-d10	259754	9.827				
1517-22-2	Phenanthrene-d10	408310	11.321				
1719-03-5	Chrysene-d12	251860	13.974				
1520-96-3	Perylene-d12	232722	15.433				

Report of Analysis

Client:		Date Collected:	7/11/2023 12:00:00 AM
Project:		Date Received:	7/11/2023 12:00:00 AM
Client Sample ID:	RB-57-(5-7)	SDG No.:	BF080223
Lab Sample ID:	O3598-12	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134598.D	1	8/1/2023 12:00:00 AM	8/3/2023 12:00:00 AM	PB154564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001127-76-0	Naphthalene, 1-ethyl-	540	J			9.345	
000575-43-9	Naphthalene, 1,6-dimethyl-	1200	J			9.416	
000581-40-8	Naphthalene, 2,3-dimethyl-	1400	J			9.492	
000581-42-0	Naphthalene, 2,6-dimethyl-	770	J			9.516	
000573-98-8	Naphthalene, 1,2-dimethyl-	850	J			9.604	
002027-17-0	Naphthalene, 2-(1-methylethyl)-	550	J			9.933	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	340	J			10.145	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	400	J			10.233	
002489-86-3	Naphthalene, 1-(2-propenyl)-	340	J			10.445	
000101-81-5	Diphenylmethane	400	J			10.463	
003218-36-8	[1,1-Biphenyl]-4-carboxaldehyde	450	J			10.533	
002381-21-7	Pyrene, 1-methyl-	340	J			12.992	
003353-12-6	Pyrene, 4-methyl-	300	J			13.204	
000479-79-8	11H-Benzo[a]fluoren-11-one	280	J			13.604	
080252-14-8	6H-Benz[de]anthracen-6-one	290	J			13.715	
000082-05-3	7H-Benz[de]anthracen-7-one	290	J			13.815	
000630-02-4	Octacosane	750	J			14.768	
057652-66-1	Benzo[a]pyrene, 4,5-dihydro-	610	J			14.827	
000192-97-2	Benzo[e]pyrene	600	J			15.115	
000198-55-0	Perylene	2000	J			15.309	

Hit Summary Sheet

SW-846

SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : RB-55-(2-5)								
O3598-06	RB-55-(2-5)	Solid	1-Heneicosanol	*	200.000	J		
O3598-06	RB-55-(2-5)	Solid	16-Heptadecenal	*	130.000	J		
O3598-06	RB-55-(2-5)	Solid	Benzo[e]pyrene	*	130.000	J		
O3598-06	RB-55-(2-5)	Solid	n-Hexadecanoic acid	*	190.000	J		
O3598-06	RB-55-(2-5)	Solid	n-Tetracosanol-1	*	180.000	J		
O3598-06	RB-55-(2-5)	Solid	Octacosyl trifluoroacetate	*	96.000	J		
O3598-06	RB-55-(2-5)	Solid	Perylene	*	190.000	J		
Total Tics :					1,116.00			
O3598-06	RB-55-(2-5)	Solid	Benzo(a)anthracene		210.000	96.7	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Benzo(a)pyrene		250.000	110	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Benzo(b)fluoranthene		340.000	92.5	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Benzo(g,h,i)perylene		160.000	J 110	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Benzo(k)fluoranthene		120.000	J 100	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Chrysene		220.000	100	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Fluoranthene		420.000	110	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Indeno(1,2,3-cd)pyrene		140.000	J 120	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Phenanthrene		210.000	110	200	ug/Kg
O3598-06	RB-55-(2-5)	Solid	Pyrene		360.000	96.4	200	ug/Kg
Total Svoc :					2,430.00			
Total Concentration:					3,546.00			
Client ID : RB-56-(0-2)								
O3598-07	RB-56-(0-2)	Solid	1-Heneicosanol	*	160.000	J		
O3598-07	RB-56-(0-2)	Solid	Benzo[e]pyrene	*	110.000	J		
O3598-07	RB-56-(0-2)	Solid	n-Hexadecanoic acid	*	270.000	J		
Total Tics :					540.00			
O3598-07	RB-56-(0-2)	Solid	Benzo(a)anthracene		140.000	J 99.9	200	ug/Kg
O3598-07	RB-56-(0-2)	Solid	Benzo(a)pyrene		130.000	J 110	200	ug/Kg
O3598-07	RB-56-(0-2)	Solid	Benzo(b)fluoranthene		170.000	J 95.6	200	ug/Kg
O3598-07	RB-56-(0-2)	Solid	Chrysene		120.000	J 100	200	ug/Kg
O3598-07	RB-56-(0-2)	Solid	Fluoranthene		260.000	110	200	ug/Kg
O3598-07	RB-56-(0-2)	Solid	Phenanthrene		170.000	J 110	200	ug/Kg
O3598-07	RB-56-(0-2)	Solid	Pyrene		210.000	99.7	200	ug/Kg
Total Svoc :					1,200.00			
Total Concentration:					1,740.00			
Client ID : RB-56-(2-5)								
O3598-08	RB-56-(2-5)	Solid	2-Pentanone, 4-hydroxy-4-methyl *		77.400	A		
O3598-08	RB-56-(2-5)	Solid	Trifluoroacetoxy hexadecane *		150.000	J		
Total Tics :					227.40			

Hit Summary Sheet SW-846

SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:		227.40			
Client ID : RB-53-(0-2)								
O3598-09	RB-53-(0-2)	Solid	11H-Benzo[b]fluorene	*	130.000	J		
O3598-09	RB-53-(0-2)	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	170.000	J		
O3598-09	RB-53-(0-2)	Solid	4H-Cyclopenta[def]phenanthrene	*	370.000	J		
O3598-09	RB-53-(0-2)	Solid	9,10-Anthracenedione	*	280.000	J		
O3598-09	RB-53-(0-2)	Solid	9H-Fluoren-9-one	*	110.000	J		
O3598-09	RB-53-(0-2)	Solid	Anthracene, 1-methyl-	*	250.000	J		
O3598-09	RB-53-(0-2)	Solid	Benzo[b]naphtho[2,3-d]thiophene	*	110.000	J		
O3598-09	RB-53-(0-2)	Solid	Benzo[b]triphenylene	*	120.000	J		
O3598-09	RB-53-(0-2)	Solid	Benzo[e]pyrene	*	210.000	J		
O3598-09	RB-53-(0-2)	Solid	Chrysene, 1-methyl-	*	100.000	J		
O3598-09	RB-53-(0-2)	Solid	Cyclopenta(def)phenanthrenone	*	170.000	J		
O3598-09	RB-53-(0-2)	Solid	Fluoranthene, 2-methyl-	*	130.000	J		
O3598-09	RB-53-(0-2)	Solid	Heptane	*	110.000	J		
O3598-09	RB-53-(0-2)	Solid	Naphthalene, 2-phenyl-	*	200.000	J		
O3598-09	RB-53-(0-2)	Solid	Nonadecane	*	120.000	J		
O3598-09	RB-53-(0-2)	Solid	Perylene	*	720.000	J		
O3598-09	RB-53-(0-2)	Solid	Phenanthrene, 1,7-dimethyl-	*	220.000	J		
O3598-09	RB-53-(0-2)	Solid	Phenanthrene, 2,7-dimethyl-	*	100.000	J		
O3598-09	RB-53-(0-2)	Solid	Phenanthrene, 2-methyl-	*	430.000	J		
O3598-09	RB-53-(0-2)	Solid	Pyrene, 1-methyl-	*	100.000	J		
			Total Tics :		4,150.00			
O3598-09	RB-53-(0-2)	Solid	Anthracene		260.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Benzo(a)anthracene		900.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Benzo(a)pyrene		920.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Benzo(b)fluoranthene		1,300.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Benzo(g,h,i)perylene		570.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Benzo(k)fluoranthene		390.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Carbazole		180.000	J	210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Chrysene		950.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Dibenzo(a,h)anthracene		140.000	J	210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Fluoranthene		2,100.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Fluorene		110.000	J	210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Indeno(1,2,3-cd)pyrene		510.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Phenanthrene		1,600.000		210	ug/Kg
O3598-09	RB-53-(0-2)	Solid	Pyrene		1,900.000		210	ug/Kg
			Total Svoc :		11,830.00			
			Total Concentration:		15,980.00			
Client ID : RB-53-(2-5)								
O3598-10	RB-53-(2-5)	Solid	5-Eicosene, (E)-	*	160.000	J		

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SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3598-10	RB-53-(2-5)	Solid	n-Hexadecanoic acid	*	85.900	J		
Total Tics :					245.90			
Total Concentration:					245.90			
Client ID : RB-57-(5-7)								
O3598-12	RB-57-(5-7)	Solid	[1,1-Biphenyl]-4-carboxaldehyde	*	450.000	J		
O3598-12	RB-57-(5-7)	Solid	11H-Benzo[a]fluoren-11-one	*	280.000	J		
O3598-12	RB-57-(5-7)	Solid	6H-Benz[de]anthracen-6-one	*	290.000	J		
O3598-12	RB-57-(5-7)	Solid	7H-Benz[de]anthracen-7-one	*	290.000	J		
O3598-12	RB-57-(5-7)	Solid	Benzo[a]pyrene, 4,5-dihydro-	*	610.000	J		
O3598-12	RB-57-(5-7)	Solid	Benzo[e]pyrene	*	600.000	J		
O3598-12	RB-57-(5-7)	Solid	Diphenylmethane	*	400.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 1,2-dimethyl-	*	850.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 1,6,7-trimethyl-	*	340.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 1,6-dimethyl-	*	1,200.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 1-(2-propenyl)-	*	340.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 1-ethyl-	*	540.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 2,3,6-trimethyl-	*	400.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 2,3-dimethyl-	*	1,400.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 2,6-dimethyl-	*	770.000	J		
O3598-12	RB-57-(5-7)	Solid	Naphthalene, 2-(1-methylethyl)-	*	550.000	J		
O3598-12	RB-57-(5-7)	Solid	Octacosane	*	750.000	J		
O3598-12	RB-57-(5-7)	Solid	Perylene	*	2,000.000	J		
O3598-12	RB-57-(5-7)	Solid	Pyrene, 1-methyl-	*	340.000	J		
O3598-12	RB-57-(5-7)	Solid	Pyrene, 4-methyl-	*	300.000	J		
Total Tics :					12,700.00			
O3598-12	RB-57-(5-7)	Solid	1,1-Biphenyl		180.000	J	99.4	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	1-Methylnaphthalene		1,200.000		98.2	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	2-Methylnaphthalene		830.000		100	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Acenaphthene		1,800.000		87.4	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Acenaphthylene		170.000	J	96.2	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Anthracene		2,800.000		110	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Benzo(a)anthracene		5,300.000	E	91.3	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Benzo(a)pyrene		3,100.000	E	100	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Benzo(b)fluoranthene		4,100.000	E	87.4	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Benzo(g,h,i)perylene		1,600.000		100	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Benzo(k)fluoranthene		960.000		95.9	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Carbazole		330.000		92.4	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Chrysene		4,800.000	E	94.5	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Dibenzo(a,h)anthracene		590.000		110	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Dibenzofuran		500.000		83.7	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Fluoranthene		6,800.000	E	100	190 ug/Kg
O3598-12	RB-57-(5-7)	Solid	Fluorene		1,500.000		92.3	190 ug/Kg

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SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3598-12	RB-57-(5-7)	Solid	Indeno(1,2,3-cd)pyrene	1,400.000		120	190	ug/Kg
O3598-12	RB-57-(5-7)	Solid	Naphthalene	120.000	J	88.6	190	ug/Kg
O3598-12	RB-57-(5-7)	Solid	Phenanthrene	11,700.000	E	100	190	ug/Kg
O3598-12	RB-57-(5-7)	Solid	Pyrene	9,700.000	E	91.1	190	ug/Kg
O3598-12	RB-57-(5-7)	Solid	Total PAH	56,440.000		1564.7	3040	ug/Kg
Total Svoc :				115,920.00				
Total Concentration:				128,620.00				
Client ID : RPTP-1-CS-1								
O3681-01	RPTP-1-CS-1	Solid	Heptadecyl heptafluorobutyrate	*	120.000	J		
O3681-01	RPTP-1-CS-1	Solid	n-Hexadecanoic acid	*	100.000	J		
Total Tics :				220.00				
Total Concentration:				220.00				
Client ID : RPTP-2-CS-2								
O3681-04	RPTP-2-CS-2	Solid	Henicos-1-ene	*	190.000	J		
O3681-04	RPTP-2-CS-2	Solid	n-Hexadecanoic acid	*	140.000	J		
Total Tics :				330.00				
O3681-04	RPTP-2-CS-2	Solid	Benzo(b)fluoranthene		110.000	J 90.8	190	ug/Kg
O3681-04	RPTP-2-CS-2	Solid	Fluoranthene		190.000	110	190	ug/Kg
O3681-04	RPTP-2-CS-2	Solid	Pyrene		160.000	J 94.7	190	ug/Kg
Total Svoc :				460.00				
Total Concentration:				790.00				
Client ID : RPTP-3-CS-3								
O3681-07	RPTP-3-CS-3	Solid	1-Docosene	*	130.000	J		
O3681-07	RPTP-3-CS-3	Solid	n-Hexadecanoic acid	*	95.700	J		
Total Tics :				225.70				
Total Concentration:				225.70				
Client ID : RPTP-4-CS-4								
O3681-10	RPTP-4-CS-4	Solid	Dichloroacetic acid, heptadecyl es	*	220.000	J		
O3681-10	RPTP-4-CS-4	Solid	n-Hexadecanoic acid	*	160.000	J		
Total Tics :				380.00				
Total Concentration:				380.00				
Client ID : RPTP-5-CS-5								
O3681-13	RPTP-5-CS-5	Solid	Cyclotetracosane	*	100.000	J		
O3681-13	RPTP-5-CS-5	Solid	n-Hexadecanoic acid	*	73.900	J		
Total Tics :				173.90				
Total Concentration:				173.90				
Client ID : RPTP-6-CS-6								
O3681-16	RPTP-6-CS-6	Solid	1-Docosene	*	130.000	J		
O3681-16	RPTP-6-CS-6	Solid	13-Docosenamide, (Z)-	*	71.700	J		
O3681-16	RPTP-6-CS-6	Solid	n-Hexadecanoic acid	*	100.000	J		

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SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	301.70				
O3681-16	RPTP-6-CS-6	Solid	Fluoranthene	100.000	J	100	180	ug/Kg
O3681-16	RPTP-6-CS-6	Solid	Pyrene	88.800	J	88.7	180	ug/Kg
			Total Svoc :	188.80				
			Total Concentration:	490.50				
Client ID : RPTP-7-CS-7								
O3681-19	RPTP-7-CS-7	Solid	Cyclohexadecane	*	78.400	J		
			Total Tics :	78.40				
O3681-19	RPTP-7-CS-7	Solid	Fluoranthene	120.000	J	100	180	ug/Kg
O3681-19	RPTP-7-CS-7	Solid	Pyrene	91.200	J	89.5	180	ug/Kg
			Total Svoc :	211.20				
			Total Concentration:	289.60				
Client ID : RPTP-8-CS-8								
O3681-22	RPTP-8-CS-8	Solid	5-Eicosene, (E)-	*	170.000	J		
O3681-22	RPTP-8-CS-8	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	86.700	J		
O3681-22	RPTP-8-CS-8	Solid	n-Hexadecanoic acid	*	120.000	J		
			Total Tics :	376.70				
			Total Concentration:	376.70				
Client ID : SB-21-0-2-20230719								
O3686-01	SB-21-0-2-20230719	Solid	1-Hexacosene	*	190.000	J		
O3686-01	SB-21-0-2-20230719	Solid	Benzo[e]pyrene	*	92.400	J		
O3686-01	SB-21-0-2-20230719	Solid	Benzo[j]fluoranthene	*	150.000	J		
O3686-01	SB-21-0-2-20230719	Solid	n-Hexadecanoic acid	*	230.000	J		
O3686-01	SB-21-0-2-20230719	Solid	Tetradecane	*	81.000	J		
			Total Tics :	743.40				
O3686-01	SB-21-0-2-20230719	Solid	Benzo(a)anthracene		180.000	89.8	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Benzo(a)pyrene		200.000	100	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Benzo(b)fluoranthene		290.000	85.9	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Benzo(g,h,i)perylene	J	130.000	99	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Chrysene	J	160.000	92.9	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Fluoranthene		340.000	100	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Indeno(1,2,3-cd)pyrene	J	120.000	110	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Phenanthrene	J	110.000	99.2	180	ug/Kg
O3686-01	SB-21-0-2-20230719	Solid	Pyrene		290.000	89.6	180	ug/Kg
			Total Svoc :	1,820.00				
			Total Concentration:	2,563.40				
Client ID : SB-26-0-2-20230719								
O3686-03	SB-26-0-2-20230719	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	210.000	J		
O3686-03	SB-26-0-2-20230719	Solid	Cyclotetracosane	*	150.000	J		
O3686-03	SB-26-0-2-20230719	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	74.900	J		
O3686-03	SB-26-0-2-20230719	Solid	Ethanol, 2-butoxy-, phosphate (3:1)	*	680.000	J		

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SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3686-03	SB-26-0-2-20230719	Solid	n-Hexadecanoic acid	*	180.000	J		
O3686-03	SB-26-0-2-20230719	Solid	Octadecanoic acid	*	97.300	J		
Total Tics :				1,392.20				
O3686-03	SB-26-0-2-20230719	Solid	Benzo(b)fluoranthene		93.600	J	85.9	180 ug/Kg
O3686-03	SB-26-0-2-20230719	Solid	Bis(2-ethylhexyl)phthalate		180.000		120	180 ug/Kg
O3686-03	SB-26-0-2-20230719	Solid	Fluoranthene		180.000		100	180 ug/Kg
O3686-03	SB-26-0-2-20230719	Solid	Phenanthrene		150.000	J	99.2	180 ug/Kg
O3686-03	SB-26-0-2-20230719	Solid	Pyrene		150.000	J	89.5	180 ug/Kg
Total Svoc :				753.60				
Total Concentration:				2,145.80				
Client ID : SB-26-15-17-20230719								
O3686-04	SB-26-15-17-20230719	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	670.000	J		
O3686-04	SB-26-15-17-20230719	Solid	Cyclooctacosane	*	140.000	J		
O3686-04	SB-26-15-17-20230719	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	89.800	J		
O3686-04	SB-26-15-17-20230719	Solid	n-Hexadecanoic acid	*	120.000	J		
Total Tics :				1,019.80				
O3686-04	SB-26-15-17-20230719	Solid	Fluoranthene		190.000		98.5	180 ug/Kg
O3686-04	SB-26-15-17-20230719	Solid	Phenanthrene		180.000		96.8	180 ug/Kg
O3686-04	SB-26-15-17-20230719	Solid	Pyrene		140.000	J	87.4	180 ug/Kg
Total Svoc :				510.00				
Total Concentration:				1,529.80				
Client ID : HR-01-072823								
O3826-01	HR-01-072823	Solid	2-Bromo dodecane	*	380.000	J		
O3826-01	HR-01-072823	Solid	9,12-Octadecadienoic acid, methy	*	15,000.000	J		
O3826-01	HR-01-072823	Solid	9-Octadecenoic acid (Z)-, methyl	*	4,800.000	J		
O3826-01	HR-01-072823	Solid	Docosane	*	630.000	J		
O3826-01	HR-01-072823	Solid	Dodecane, 4,9-dipropyl-	*	460.000	J		
O3826-01	HR-01-072823	Solid	Eicosane	*	1,000.000	J		
O3826-01	HR-01-072823	Solid	Eicosanoic acid, methyl ester	*	290.000	J		
O3826-01	HR-01-072823	Solid	Heneicosane	*	330.000	J		
O3826-01	HR-01-072823	Solid	Heptadecane	*	570.000	J		
O3826-01	HR-01-072823	Solid	Hexadecane	*	660.000	J		
O3826-01	HR-01-072823	Solid	Hexadecanoic acid, methyl ester	*	5,100.000	J		
O3826-01	HR-01-072823	Solid	n-Hexadecanoic acid	*	1,100.000	J		
O3826-01	HR-01-072823	Solid	Nonadecane	*	1,000.000	J		
O3826-01	HR-01-072823	Solid	Octadecane, 2-methyl-	*	590.000	J		
O3826-01	HR-01-072823	Solid	Octadecanoic acid	*	300.000	J		
O3826-01	HR-01-072823	Solid	Pentadecane	*	1,100.000	J		
O3826-01	HR-01-072823	Solid	Tetracosane	*	370.000	J		
O3826-01	HR-01-072823	Solid	Tetradecane	*	480.000	J		
O3826-01	HR-01-072823	Solid	Tetratetracontane	*	540.000	J		

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SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3826-01	HR-01-072823	Solid	Tridecane	*	1,900.000	J		
Total Tics :					36,600.00			
O3826-01	HR-01-072823	Solid	Benzo(a)anthracene		92.600	J	54.6	110 ug/Kg
O3826-01	HR-01-072823	Solid	Benzo(a)pyrene		92.400	J	61.4	110 ug/Kg
O3826-01	HR-01-072823	Solid	Benzo(b)fluoranthene		130.000		52.3	110 ug/Kg
O3826-01	HR-01-072823	Solid	Benzo(g,h,i)perylene		65.700	J	60.2	110 ug/Kg
O3826-01	HR-01-072823	Solid	Bis(2-ethylhexyl)phthalate		420.000		74.8	110 ug/Kg
O3826-01	HR-01-072823	Solid	Butylbenzylphthalate		80.900	J	67	110 ug/Kg
O3826-01	HR-01-072823	Solid	Chrysene		110.000		56.5	110 ug/Kg
O3826-01	HR-01-072823	Solid	Dimethylphthalate		83.900	J	57.8	110 ug/Kg
O3826-01	HR-01-072823	Solid	Fluoranthene		120.000		61.4	110 ug/Kg
O3826-01	HR-01-072823	Solid	Phenanthrene		88.400	J	60.3	110 ug/Kg
O3826-01	HR-01-072823	Solid	Pyrene		220.000		54.5	110 ug/Kg
Total Svoc :					1,503.90			
Total Concentration:					38,103.90			
Client ID : 82ND-1								
O3833-01	82ND-1	Solid	Heptadecyl heptafluorobutyrate	*	80.600	J		
Total Tics :					80.60			
Total Concentration:					80.60			
Client ID : B-P2A								
O3834-01	B-P2A	Solid	.beta.-Sitosterol	*	590.000	J		
O3834-01	B-P2A	Solid	1,19-Eicosadiene	*	110.000	J		
O3834-01	B-P2A	Solid	1-Heneicosanol	*	280.000	J		
O3834-01	B-P2A	Solid	1-Tetracosene	*	160.000	J		
O3834-01	B-P2A	Solid	5-Eicosene, (E)-	*	230.000	J		
O3834-01	B-P2A	Solid	Hexadecane	*	120.000	J		
O3834-01	B-P2A	Solid	Lup-20(29)-en-3-one	*	210.000	J		
O3834-01	B-P2A	Solid	n-Hexadecanoic acid	*	110.000	J		
O3834-01	B-P2A	Solid	Octacosyl trifluoroacetate	*	160.000	J		
O3834-01	B-P2A	Solid	Stigmast-4-en-3-one	*	250.000	J		
O3834-01	B-P2A	Solid	Tricosane	*	140.000	J		
O3834-01	B-P2A	Solid	unknown18.362	*	76.900	J		
Total Tics :					2,436.90			
Total Concentration:					2,436.90			
Client ID : B-P2B								
O3834-02	B-P2B	Solid	1-Docosene	*	95.000	J		
O3834-02	B-P2B	Solid	17-(1,5-Dimethylhexyl)-10,13-din	*	180.000	J		
O3834-02	B-P2B	Solid	Docosane, 1-iodo-	*	80.400	J		
O3834-02	B-P2B	Solid	Hexacosane, 1-iodo-	*	100.000	J		
O3834-02	B-P2B	Solid	n-Hexadecanoic acid	*	140.000	J		
O3834-02	B-P2B	Solid	Oxirane, hexadecyl-	*	88.900	J		

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SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3834-02	B-P2B	Solid	Supraene	*	240.000	J		
O3834-02	B-P2B	Solid	Tetradecanal	*	210.000	J		
O3834-02	B-P2B	Solid	unknown17.092	*	83.900	J		
O3834-02	B-P2B	Solid	unknown18.580	*	120.000	J		
			Total Tics :		1,338.20			
O3834-02	B-P2B	Solid	Bis(2-ethylhexyl)phthalate		1,800.000	130	200	ug/Kg
			Total Svoc :		1,800.00			
			Total Concentration:		3,138.20			

Client ID : HR-01-072823

O3835-01	HR-01-072823	Solid	13-Octadecenoic acid, methyl este	*	1,900.000	J		
O3835-01	HR-01-072823	Solid	2-Bromo dodecane	*	62.900	J		
O3835-01	HR-01-072823	Solid	3-Methyl-4-(methoxycarbonyl)he	*	81.500	J		
O3835-01	HR-01-072823	Solid	9,12-Octadecadienoic acid, methy	*	4,100.000	J		
O3835-01	HR-01-072823	Solid	Carbonic acid, octadecyl prop-1-e	*	70.900	J		
O3835-01	HR-01-072823	Solid	Decane, 2,3,5-trimethyl-	*	110.000	J		
O3835-01	HR-01-072823	Solid	Docosane	*	97.100	J		
O3835-01	HR-01-072823	Solid	Heptadecane	*	130.000	J		
O3835-01	HR-01-072823	Solid	Hexadecane	*	130.000	J		
O3835-01	HR-01-072823	Solid	Hexadecanoic acid, methyl ester	*	1,100.000	J		
O3835-01	HR-01-072823	Solid	Methyl 18-methylnonadecanoate	*	63.300	J		
O3835-01	HR-01-072823	Solid	Methyl stearate	*	550.000	J		
O3835-01	HR-01-072823	Solid	n-Hexadecanoic acid	*	110.000	J		
O3835-01	HR-01-072823	Solid	Nonadecane	*	71.300	J		
O3835-01	HR-01-072823	Solid	Octadecane	*	130.000	J		
O3835-01	HR-01-072823	Solid	Octadecane, 2-methyl-	*	120.000	J		
O3835-01	HR-01-072823	Solid	Octadecanoic acid	*	63.800	J		
O3835-01	HR-01-072823	Solid	Pentadecafluorooctanoic acid, oct	*	110.000	J		
O3835-01	HR-01-072823	Solid	Pentadecane	*	220.000	J		
O3835-01	HR-01-072823	Solid	Tetradecane	*	110.000	J		
			Total Tics :		9,330.80			
			Total Concentration:		9,330.80			

Client ID : 342

O3842-02	342	Solid	1,3-Benzenedicarboxylic acid, bis	*	64.400	J		
O3842-02	342	Solid	1-Nonadecene	*	110.000	J		
O3842-02	342	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	210.000	J		
O3842-02	342	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	52.400	A		
O3842-02	342	Solid	5-Eicosene, (E)-	*	170.000	J		
O3842-02	342	Solid	Benzo[e]pyrene	*	48.400	J		
O3842-02	342	Solid	Cinnamyl cinnamate	*	520.000	J		
O3842-02	342	Solid	n-Hexadecanoic acid	*	170.000	J		
O3842-02	342	Solid	Perylene	*	48.200	J		

Hit Summary Sheet SW-846

SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Tics :				1,393.40				
O3842-02	342	Solid	Benzo(b)fluoranthene	68.400	J	54.2	110	ug/Kg
O3842-02	342	Solid	Fluoranthene	110.000		63.7	110	ug/Kg
O3842-02	342	Solid	Pyrene	92.700	J	56.5	110	ug/Kg
Total Svoc :				271.10				
Total Concentration:				1,664.50				
Client ID : 350								
O3842-04	350	Solid	11H-Benzo[b]fluorene	*	95.000	J		
O3842-04	350	Solid	2,4,2,4-Tetramethyl-biphenyl	*	160.000	J		
O3842-04	350	Solid	2,4,6-Cycloheptatrien-1-one, 2-ph	*	130.000	J		
O3842-04	350	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	230.000	J		
O3842-04	350	Solid	3-Methyl-[1,1-biphenyl]-4-carbal	*	120.000	J		
O3842-04	350	Solid	4H-Cyclopenta[def]phenanthrene	*	380.000	J		
O3842-04	350	Solid	9H-Fluoren-9-one	*	84.500	J		
O3842-04	350	Solid	9H-Fluorene, 2-methyl-	*	150.000	J		
O3842-04	350	Solid	Anthracene, 2-methyl-	*	340.000	J		
O3842-04	350	Solid	Benzene, 1,1-methylenebis[2-metl	*	91.000	J		
O3842-04	350	Solid	Benzo[e]pyrene	*	140.000	J		
O3842-04	350	Solid	Cyclopenta(def)phenanthrenone	*	92.500	J		
O3842-04	350	Solid	Di-isononyl phthlate	*	200.000	J		
O3842-04	350	Solid	Dibenzothiophene	*	160.000	J		
O3842-04	350	Solid	Naphthalene, 2,3-dimethyl-	*	88.300	J		
O3842-04	350	Solid	Naphthalene, 2,7-dimethyl-	*	91.200	J		
O3842-04	350	Solid	Naphthalene, 2-phenyl-	*	140.000	J		
O3842-04	350	Solid	Phenanthrene, 2-methyl-	*	210.000	J		
O3842-04	350	Solid	Phenanthrene, 3,6-dimethyl-	*	110.000	J		
O3842-04	350	Solid	Pyrene, 1-methyl-	*	84.900	J		
Total Tics :				3,097.40				
O3842-04	350	Solid	Acenaphthene		330.000	50.6	110	ug/Kg
O3842-04	350	Solid	Anthracene		290.000	64.3	110	ug/Kg
O3842-04	350	Solid	Benzo(a)anthracene		320.000	52.9	110	ug/Kg
O3842-04	350	Solid	Benzo(a)pyrene		130.000	59.4	110	ug/Kg
O3842-04	350	Solid	Benzo(b)fluoranthene		230.000	50.6	110	ug/Kg
O3842-04	350	Solid	Benzo(k)fluoranthene		84.700	J 55.5	110	ug/Kg
O3842-04	350	Solid	Chrysene		300.000	54.7	110	ug/Kg
O3842-04	350	Solid	Dibenzofuran		180.000	48.5	110	ug/Kg
O3842-04	350	Solid	Fluoranthene		1,500.000	59.5	110	ug/Kg
O3842-04	350	Solid	Fluorene		360.000	53.5	110	ug/Kg
O3842-04	350	Solid	Phenanthrene		1,500.000	58.4	110	ug/Kg
O3842-04	350	Solid	Pyrene		930.000	52.8	110	ug/Kg
O3842-04	350	Solid	Total PAH		5,974.000	905.8	1760	ug/Kg
Total Svoc :				12,128.70				



Hit Summary Sheet
SW-846

SDG No.: BF080223

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:		15,226.10			



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					



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

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 2 2023 12:00AM

Lab File ID: BF134540.D Time Analyzed: 09:14

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.						
01	PB154346BL	234698	6.79	938645	8.07	474781	9.83
02	HR-01-072823	176084	6.79	618908	8.07	243984	9.83
03	HR-01-072823	193730	6.80	680740	8.08	262015	9.83
04	SB-26-0-2-20230719	195630	6.80	674528	8.08	257241	9.83
05	SB-26-15-17-20230719	190682	6.80	652729	8.08	241500	9.83
06	RPTP-2-CS-2	192408	6.80	665592	8.08	255213	9.83
07	RPTP-7-CS-7	196535	6.80	683857	8.08	265805	9.83
08	SB-21-0-2-20230719	187494	6.80	654453	8.08	244396	9.83
09	PB154346BL	204627	6.80	822074	8.08	419386	9.83
10	RPTP-4-CS-4	188177	6.79	720582	8.07	307327	9.83
11	RPTP-5-CS-5	185262	6.79	713910	8.07	314740	9.83
12	RPTP-3-CS-3	191358	6.79	737015	8.08	319401	9.83
13	RPTP-1-CS-1	187498	6.79	714163	8.07	299783	9.83
14	RPTP-6-CS-6	182118	6.79	691406	8.07	296323	9.83
15	RPTP-8-CS-8	196160	6.79	741589	8.07	313341	9.83
16	342	184044	6.79	701013	8.08	300983	9.83
17	342MS	182652	6.80	717092	8.08	319146	9.83
18	342MSD	181777	6.80	701536	8.08	312627	9.83
19	350	171543	6.79	645104	8.07	275019	9.83
20	RB-56- (2-5)	197351	6.79	758432	8.07	332253	9.83
21	RB-53- (2-5)	167155	6.79	617711	8.08	259064	9.83
22	B-P2B	169201	6.79	629607	8.07	262895	9.83
23	82ND-1	170056	6.79	638149	8.07	266213	9.83
24	RB-56- (0-2)	175579	6.79	655208	8.07	275585	9.83

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 2 2023 12:00AM

Lab File ID: BF134540.D Time Analyzed: 23:20

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.						
25 RB-53-(0-2)	175911	6.79	669404	8.08	284886	9.83
26 B-P2A	172723	6.79	653580	8.07	281294	9.83
27 RB-55-(2-5)	170495	6.79	640937	8.07	264717	9.83
28 RB-57-(5-7)	171659	6.79	635316	8.08	259754	9.83

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.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 2 2023 12:00AM

Lab File ID: BF134568.D Time Analyzed: 09:14

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	213580	6.798	807630	8.08	406229	9.83
UPPER LIMIT	427160	7.298	1615260	8.575	812458	10.333
LOWER LIMIT	106790	6.298	403815	7.575	203114.5	9.333
EPA SAMPLE NO.						
01 PB154346BL	234698	6.79	938645	8.07	474781	9.83
02 HR-01-072823	176084	6.79	618908	8.07	243984	9.83
03 HR-01-072823	193730	6.80	680740	8.08	262015	9.83
04 SB-26-0-2-20230719	195630	6.80	674528	8.08	257241	9.83
05 SB-26-15-17-20230719	190682	6.80	652729	8.08	241500	9.83
06 RPTP-2-CS-2	192408	6.80	665592	8.08	255213	9.83
07 RPTP-7-CS-7	196535	6.80	683857	8.08	265805	9.83
08 SB-21-0-2-20230719	187494	6.80	654453	8.08	244396	9.83

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.: BF080223 SAS No.: BF080223 SDG NO.: BF080223EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 2 2023 12:00AMLab File ID: BF134578.D Time Analyzed: 14:39Instrument 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	218119	6.798	824899	8.08	411660	9.83
	UPPER LIMIT	436238	7.298	1649798	8.575	823320	10.333
	LOWER LIMIT	109059.5	6.298	412449.5	7.575	205830	9.333
	EPA SAMPLE NO.						
01	PB154346BL	204627	6.80	822074	8.08	419386	9.83
02	RPTP-4-CS-4	188177	6.79	720582	8.07	307327	9.83
03	RPTP-5-CS-5	185262	6.79	713910	8.07	314740	9.83
04	RPTP-3-CS-3	191358	6.79	737015	8.08	319401	9.83
05	RPTP-1-CS-1	187498	6.79	714163	8.07	299783	9.83
06	RPTP-6-CS-6	182118	6.79	691406	8.07	296323	9.83
07	RPTP-8-CS-8	196160	6.79	741589	8.07	313341	9.83
08	342	184044	6.79	701013	8.08	300983	9.83
09	342MS	182652	6.80	717092	8.08	319146	9.83
10	342MSD	181777	6.80	701536	8.08	312627	9.83
11	350	171543	6.79	645104	8.07	275019	9.83
12	RB-56-(2-5)	197351	6.79	758432	8.07	332253	9.83
13	RB-53-(2-5)	167155	6.79	617711	8.08	259064	9.83
14	B-P2B	169201	6.79	629607	8.07	262895	9.83
15	82ND-1	170056	6.79	638149	8.07	266213	9.83
16	RB-56-(0-2)	175579	6.79	655208	8.07	275585	9.83
17	RB-53-(0-2)	175911	6.79	669404	8.08	284886	9.83
18	B-P2A	172723	6.79	653580	8.07	281294	9.83
19	RB-55-(2-5)	170495	6.79	640937	8.07	264717	9.83
20	RB-57-(5-7)	171659	6.79	635316	8.08	259754	9.83



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 3 2023 12:00AM

Lab File ID: BF134578.D Time Analyzed: 00:54

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	218119	6.798	824899	8.08	411660	9.83
UPPER LIMIT	436238	7.298	1649798	8.575	823320	10.333
LOWER LIMIT	109059.5	6.298	412449.5	7.575	205830	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.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 2 2023 12:00AM

Lab File ID: BF134540.D Time Analyzed: 09:14

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 PB154346BL	898115	11.32	724258	13.96	715428	15.42
02 HR-01-072823	430478	11.32	263856	13.96	233009	15.43
03 HR-01-072823	454321	11.32	299204	13.96	246342	15.42
04 SB-26-0-2-20230719	447520	11.32	292161	13.96	239551	15.42
05 SB-26-15-17-20230719	421575	11.32	291163	13.96	241218	15.42
06 RPTP-2-CS-2	426305	11.32	297584	13.96	242707	15.42
07 RPTP-7-CS-7	457511	11.32	319397	13.96	259107	15.42
08 SB-21-0-2-20230719	422517	11.32	290201	13.96	238882	15.42
09 PB154346BL	789305	11.32	646158	13.96	628798	15.43
10 RPTP-4-CS-4	494942	11.32	346081	13.96	286425	15.42
11 RPTP-5-CS-5	506446	11.32	329729	13.96	267953	15.42
12 RPTP-3-CS-3	513437	11.32	351060	13.96	284536	15.42
13 RPTP-1-CS-1	469830	11.32	326084	13.96	263306	15.42
14 RPTP-6-CS-6	471805	11.32	329005	13.96	261625	15.42
15 RPTP-8-CS-8	496234	11.32	341782	13.96	277479	15.42
16 342	474848	11.32	331244	13.96	267534	15.42
17 342MS	488797	11.32	298424	13.96	264649	15.42
18 342MSD	481026	11.32	295202	13.96	261683	15.42
19 350	436053	11.32	304764	13.96	240339	15.42
20 RB-56-(2-5)	517735	11.32	352750	13.96	281381	15.42
21 RB-53-(2-5)	412346	11.32	293987	13.96	234678	15.42
22 B-P2B	426447	11.31	290445	13.96	233387	15.42

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 2 2023 12:00AM

Lab File ID: BF134540.D Time Analyzed: 22:17

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.						
23 82ND-1	425291	11.31	296693	13.96	240790	15.42
24 RB-56-(0-2)	445934	11.32	316680	13.96	249970	15.42
25 RB-53-(0-2)	456917	11.32	313689	13.96	251986	15.42
26 B-P2A	452555	11.32	307512	13.96	242392	15.42
27 RB-55-(2-5)	424459	11.31	310506	13.96	244341	15.42
28 RB-57-(5-7)	408310	11.32	251860	13.97	232722	15.43

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.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 2 2023 12:00AM

Lab File ID: BF134568.D Time Analyzed: 09:14

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	746481	11.316	492867	13.963	423661	15.421
UPPER LIMIT	1492962	11.816	985734	14.463	847322	15.921
LOWER LIMIT	373240.5	10.816	246433.5	13.463	211830.5	14.921
EPA SAMPLE NO.						
01 PB154346BL	898115	11.32	724258	13.96	715428	15.42
02 HR-01-072823	430478	11.32	263856	13.96	233009	15.43
03 HR-01-072823	454321	11.32	299204	13.96	246342	15.42
04 SB-26-0-2-20230719	447520	11.32	292161	13.96	239551	15.42
05 SB-26-15-17-20230719	421575	11.32	291163	13.96	241218	15.42
06 RPTP-2-CS-2	426305	11.32	297584	13.96	242707	15.42
07 RPTP-7-CS-7	457511	11.32	319397	13.96	259107	15.42
08 SB-21-0-2-20230719	422517	11.32	290201	13.96	238882	15.42

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.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 2 2023 12:00AM

Lab File ID: BF134578.D Time Analyzed: 14:39

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	773921	11.321	515271	13.968	435718	15.427
UPPER LIMIT	1547842	11.821	1030542	14.468	871436	15.927
LOWER LIMIT	386960.5	10.821	257635.5	13.468	217859	14.927
EPA SAMPLE NO.						
01 PB154346BL	789305	11.32	646158	13.96	628798	15.43
02 RPTP-4-CS-4	494942	11.32	346081	13.96	286425	15.42
03 RPTP-5-CS-5	506446	11.32	329729	13.96	267953	15.42
04 RPTP-3-CS-3	513437	11.32	351060	13.96	284536	15.42
05 RPTP-1-CS-1	469830	11.32	326084	13.96	263306	15.42
06 RPTP-6-CS-6	471805	11.32	329005	13.96	261625	15.42
07 RPTP-8-CS-8	496234	11.32	341782	13.96	277479	15.42
08 342	474848	11.32	331244	13.96	267534	15.42
09 342MS	488797	11.32	298424	13.96	264649	15.42
10 342MSD	481026	11.32	295202	13.96	261683	15.42
11 350	436053	11.32	304764	13.96	240339	15.42
12 RB-56-(2-5)	517735	11.32	352750	13.96	281381	15.42
13 RB-53-(2-5)	412346	11.32	293987	13.96	234678	15.42
14 B-P2B	426447	11.31	290445	13.96	233387	15.42
15 82ND-1	425291	11.31	296693	13.96	240790	15.42
16 RB-56-(0-2)	445934	11.32	316680	13.96	249970	15.42
17 RB-53-(0-2)	456917	11.32	313689	13.96	251986	15.42
18 B-P2A	452555	11.32	307512	13.96	242392	15.42
19 RB-55-(2-5)	424459	11.31	310506	13.96	244341	15.42
20 RB-57-(5-7)	408310	11.32	251860 *	13.97	232722	15.43

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080223 SAS No.: BF080223 SDG NO.: BF080223

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 3 2023 12:00AM

Lab File ID: BF134578.D Time Analyzed: 00:54

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	773921	11.321	515271	13.968	435718	15.427
UPPER LIMIT	1547842	11.821	1030542	14.468	871436	15.927
LOWER LIMIT	386960.5	10.821	257635.5	13.468	217859	14.927
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.

PB154346BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080223

SAS No.: BF080223 SDG NO.: BF080223

Lab File ID: BF134579.D

Lab Sample ID: PB154346BL

Instrument ID: BNA_F

Date Extracted: 07/21/2023

Matrix: (soil/water) Solid

Date Analyzed: 08/02/2023

Level: (low/med) LOW

Time Analyzed: 14:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RPTP-4-CS-4	O3681-10	BF134580.D	08/02/2023
RPTP-5-CS-5	O3681-13	BF134581.D	08/02/2023
RPTP-3-CS-3	O3681-07	BF134582.D	08/02/2023
RPTP-1-CS-1	O3681-01	BF134583.D	08/02/2023
RPTP-6-CS-6	O3681-16	BF134584.D	08/02/2023
RPTP-8-CS-8	O3681-22	BF134585.D	08/02/2023
SB-26-0-2-20230719	O3686-03	BF134572.D	08/02/2023
SB-26-15-17-20230719	O3686-04	BF134573.D	08/02/2023
RPTP-2-CS-2	O3681-04	BF134574.D	08/02/2023
RPTP-7-CS-7	O3681-19	BF134575.D	08/02/2023
SB-21-0-2-20230719	O3686-01	BF134576.D	08/02/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

B-P2B

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080223SAS No.: BF080223 SDG NO.: BF080223Lab File ID: BF134592.DLab Sample ID: O3834-02Instrument ID: BNA_FDate Extracted: 07/31/2023Matrix: (soil/water) SolidDate Analyzed: 08/02/2023Level: (low/med) LOWTime Analyzed: 21:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-P2B	O3834-02	BF134592.D	08/02/2023
82ND-1	O3833-01	BF134593.D	08/02/2023
HR-01-072823	O3826-01	BF134570.D	08/02/2023
HR-01-072823	O3835-01	BF134571.D	08/02/2023
B-P2A	O3834-01	BF134596.D	08/02/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

342

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080223SAS No.: BF080223 SDG NO.: BF080223Lab File ID: BF134586.DLab Sample ID: O3842-02Instrument ID: BNA_FDate Extracted: 08/01/2023Matrix: (soil/water) SolidDate Analyzed: 08/02/2023Level: (low/med) LOWTime Analyzed: 18:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
342	O3842-02	BF134586.D	08/02/2023
342MS	O3842-02MS	BF134587.D	08/02/2023
342MSD	O3842-02MSD	BF134588.D	08/02/2023
350	O3842-04	BF134589.D	08/02/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RB-56- (2-5)

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080223SAS No.: BF080223 SDG NO.: BF080223Lab File ID: BF134590.DLab Sample ID: O3598-08Instrument ID: BNA_FDate Extracted: 08/01/2023Matrix: (soil/water) SolidDate Analyzed: 08/02/2023Level: (low/med) LOWTime Analyzed: 20:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RB-56- (2-5)	O3598-08	BF134590.D	08/02/2023
RB-53- (2-5)	O3598-10	BF134591.D	08/02/2023
RB-56- (0-2)	O3598-07	BF134594.D	08/02/2023
RB-53- (0-2)	O3598-09	BF134595.D	08/02/2023
RB-55- (2-5)	O3598-06	BF134597.D	08/03/2023
RB-57- (5-7)	O3598-12	BF134598.D	08/03/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080223

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3842-02MS	Client Sample ID:	342MS					DataFile:	BF134587.D		
n-Nitrosodimethylamine	1100		990	ug/Kg	90				66	124	
Pyridine	1100		850	ug/Kg	77				45	119	
Benzaldehyde	1100		1000	ug/Kg	91				26	163	
Aniline	1100		640	ug/Kg	58				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100				74	116	
2-Chlorophenol	1100		1100	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1100		1100	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1100		1100	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1100		1100	ug/Kg	100				63	104	
Benzyl Alcohol	1100		1100	ug/Kg	100				47	126	
2-Methylphenol	1100		980	ug/Kg	89				66	122	
2,2-oxybis(1-Chloropropane)	1100		1000	ug/Kg	91				52	115	
Acetophenone	1100		990	ug/Kg	90				75	111	
3+4-Methylphenols	1100		940	ug/Kg	85				53	132	
N-Nitroso-di-n-propylamine	1100		960	ug/Kg	87				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		1100	ug/Kg	100				70	119	
Isophorone	1100		990	ug/Kg	90				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		970	ug/Kg	88				83	144	
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		1000	ug/Kg	91				50	104	
Naphthalene	1100		970	ug/Kg	88				72	110	
4-Chloroaniline	1100		330	ug/Kg	30				10	100	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		990	ug/Kg	90				51	134	
4-Chloro-3-methylphenol	1100		960	ug/Kg	87				57	132	
2-Methylnaphthalene	1100		920	ug/Kg	84				59	123	
Hexachlorocyclopentadiene	2300		1100	ug/Kg	48				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100										

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080223

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2200	ug/Kg	100				55	128	
Diethylphthalate	1100		1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100		970	ug/Kg	88				71	108	
Fluorene	1100		930	ug/Kg	85				68	116	
4-Nitroaniline	1100		900	ug/Kg	82				55	120	
4,6-Dinitro-2-methylphenol	1100		610	ug/Kg	55				32	145	
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100				73	118	
Azobenzene	1100		920	ug/Kg	84				73	110	
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1300	ug/Kg	118				79	127	
Pentachlorophenol	2300		1800	ug/Kg	78				47	128	
Phenanthrene	1100	0	1100	ug/Kg	100				72	113	
Anthracene	1100		1000	ug/Kg	91				62	124	
Carbazole	1100		990	ug/Kg	90				59	119	
Di-n-butylphthalate	1100		1100	ug/Kg	100				69	118	
Fluoranthene	1100	110	1100	ug/Kg	90				59	125	
Benzidine	2300		1700	ug/Kg	74				10	119	
Pyrene	1100	92.7	1100	ug/Kg	92				52	128	
Butylbenzylphthalate	1100		1300	ug/Kg	118				64	126	
3,3-Dichlorobenzidine	1100		1200	ug/Kg	109				10	164	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				71	114	
Chrysene	1100	0	1000	ug/Kg	91				57	121	
bis(2-Ethylhexyl)phthalate	1100		1300	ug/Kg	118				66	127	
Di-n-octyl phthalate	1100		1600	ug/Kg	145	*			71	126	
Benzo(b)fluoranthene	1100	68.4	1100	ug/Kg	94				67	121	
Benzo(k)fluoranthene	1100		1100	ug/Kg	100				74	114	
Benzo(a)pyrene	1100		990	ug/Kg	90				70	142	
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100				61	125	
Dibenz(a,h)anthracene	1100		1100	ug/Kg	100				67	130	
Benzo(g,h,i)perylene	1100		990	ug/Kg	90				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1								

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080223

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3842-02MSD	Client Sample ID:	342MSD					DataFile:	BF134588.D		
n-Nitrosodimethylamine	1100		1000	ug/Kg	91		1		66	124	20
Pyridine	1100		860	ug/Kg	78		1		45	119	20
Benzaldehyde	1100		1100	ug/Kg	100		9		26	163	20
Aniline	1100		660	ug/Kg	60		3		10	88	20
Phenol	1100		1100	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100		0		74	116	20
2-Chlorophenol	1100		1100	ug/Kg	100		0		61	138	20
1,2-Dichlorobenzene	1100		1100	ug/Kg	100		0		61	105	20
1,3-Dichlorobenzene	1100		1100	ug/Kg	100		0		62	101	20
1,4-Dichlorobenzene	1100		1100	ug/Kg	100		0		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		0		47	126	20
2-Methylphenol	1100		1000	ug/Kg	91		2		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1100	ug/Kg	100		9		52	115	20
Acetophenone	1100		1000	ug/Kg	91		1		75	111	20
3+4-Methylphenols	1100		970	ug/Kg	88		3		53	132	20
N-Nitroso-di-n-propylamine	1100		980	ug/Kg	89		2		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		0		65	117	20
Nitrobenzene	1100		1100	ug/Kg	100		0		70	119	20
Isophorone	1100		1000	ug/Kg	91		1		76	122	20
2-Nitrophenol	1100		1200	ug/Kg	109		9		54	145	20
2,4-Dimethylphenol	1100		1000	ug/Kg	91		3		83	144	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		9		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		9		72	118	20
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100		9		57	103	20
Benzoic acid	1100		1100	ug/Kg	100		9		50	104	20
Naphthalene	1100		1000	ug/Kg	91		3		72	110	20
4-Chloroaniline	1100		320	ug/Kg	29		3		10	100	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		9		66	114	20
Caprolactam	1100		1100	ug/Kg	100		11		51	134	20
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91		4		57	132	20
2-Methylnaphthalene	1100		960	ug/Kg	87		4		59	123	20
Hexachlorocyclopentadiene	2300		1100								

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080223

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2300	ug/Kg	105		5		55	128	20
Diethylphthalate	1100		1100	ug/Kg	100		0		70	112	20
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91		3		71	108	20
Fluorene	1100		960	ug/Kg	87		2		68	116	20
4-Nitroaniline	1100		920	ug/Kg	84		2		55	120	20
4,6-Dinitro-2-methylphenol	1100		620	ug/Kg	56		2		32	145	20
N-Nitrosodiphenylamine	1100		1200	ug/Kg	109		9		73	118	20
Azobenzene	1100		950	ug/Kg	86		2		73	110	20
4-Bromophenyl-phenylether	1100		1200	ug/Kg	109		9		65	121	20
Hexachlorobenzene	1100		1200	ug/Kg	109		9		67	118	20
Atrazine	1100		1300	ug/Kg	118		0		79	127	20
Pentachlorophenol	2300		1800	ug/Kg	78		0		47	128	20
Phenanthrene	1100	0	1100	ug/Kg	100		0		72	113	20
Anthracene	1100		1100	ug/Kg	100		9		62	124	20
Carbazole	1100		1000	ug/Kg	91		1		59	119	20
Di-n-butylphthalate	1100		1200	ug/Kg	109		9		69	118	20
Fluoranthene	1100	110	1100	ug/Kg	90		0		59	125	20
Benzidine	2300		1800	ug/Kg	78		5		10	119	20
Pyrene	1100	92.7	1200	ug/Kg	101		9		52	128	20
Butylbenzylphthalate	1100		1300	ug/Kg	118		0		64	126	20
3,3-Dichlorobenzidine	1100		1300	ug/Kg	118		8		10	164	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100		0		71	114	20
Chrysene	1100	0	1100	ug/Kg	100		9		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1400	ug/Kg	127		7		66	127	20
Di-n-octyl phthalate	1100		1600	ug/Kg	145	*	0		71	126	20
Benzo(b)fluoranthene	1100	68.4	1200	ug/Kg	103		9		67	121	20
Benzo(k)fluoranthene	1100		1100	ug/Kg	100		0		74	114	20
Benzo(a)pyrene	1100		1000	ug/Kg	91		1		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100		0		61	125	20
Dib											

Surrogate Summary

SW-846

SDG No.: **BF080223**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3681-01	RPTP-1-CS-1	BF134583.D	2-Fluorophenol	150	88.41	59		18	112
			Phenol-d6	150	87.66	58		15	107
			Nitrobenzene-d5	100	69.62	70		18	107
			2-Fluorobiphenyl	100	71.57	72		20	109
			2,4,6-Tribromophenol	150	82.60	55		10	110
			Terphenyl-d14	100	60.65	61		14	112
O3681-04	RPTP-2-CS-2	BF134574.D	2-Fluorophenol	150	84.15	56		18	112
			Phenol-d6	150	78.86	53		15	107
			Nitrobenzene-d5	100	65.73	66		18	107
			2-Fluorobiphenyl	100	67.29	67		20	109
			2,4,6-Tribromophenol	150	76.26	51		10	110
			Terphenyl-d14	100	58.34	58		14	112
O3681-07	RPTP-3-CS-3	BF134582.D	2-Fluorophenol	150	78.08	52		18	112
			Phenol-d6	150	77.56	52		15	107
			Nitrobenzene-d5	100	58.57	59		18	107
			2-Fluorobiphenyl	100	61.53	62		20	109
			2,4,6-Tribromophenol	150	73.22	49		10	110
			Terphenyl-d14	100	55.85	56		14	112
O3681-10	RPTP-4-CS-4	BF134580.D	2-Fluorophenol	150	81.33	54		18	112
			Phenol-d6	150	80.04	53		15	107
			Nitrobenzene-d5	100	62.35	62		18	107
			2-Fluorobiphenyl	100	64.26	64		20	109
			2,4,6-Tribromophenol	150	74.65	50		10	110
			Terphenyl-d14	100	56.78	57		14	112
O3681-13	RPTP-5-CS-5	BF134581.D	2-Fluorophenol	150	67.26	45		18	112
			Phenol-d6	150	65.02	43		15	107
			Nitrobenzene-d5	100	51.18	51		18	107
			2-Fluorobiphenyl	100	54.48	54		20	109
			2,4,6-Tribromophenol	150	60.14	40			



Surrogate Summary
SW-846

SDG No.: BF080223

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3686-01	SB-21-0-2-2023071	BF134576.D	2-Fluorobiphenyl	100	68.50	68		20	109
			2,4,6-Tribromophenol	150	69.62	46		10	110
			Terphenyl-d14	100	62.58	63		14	112
O3686-03	SB-26-0-2-2023071	BF134572.D	2-Fluorophenol	150	64.69	43		18	112
			Phenol-d6	150	61.61	41		15	107
			Nitrobenzene-d5	100	52.06	52		18	107
			2-Fluorobiphenyl	100	55.34	55		20	109
			2,4,6-Tribromophenol	150	63.22	42		10	110
			Terphenyl-d14	100	50.94	51		14	112
O3686-04	SB-26-15-17-20230	BF134573.D	2-Fluorophenol	150	85.93	57		18	112
			Phenol-d6	150	79.93	53		15	107
			Nitrobenzene-d5	100	69.65	70		18	107
			2-Fluorobiphenyl	100	77.14	77		20	109
			2,4,6-Tribromophenol	150	82.56	55		10	110
			Terphenyl-d14	100	71.13	71		14	112
PB154346BL	PB154346BL	BF134569.D	2-Fluorophenol	150	113.39	76		18	112
		BF134579.D	2-Fluorophenol	150	120.80	81		18	112
			Phenol-d6	150	121.93	81		15	107
		BF134569.D	Phenol-d6	150	113.35	76		15	107
			Nitrobenzene-d5	100	91.45	91		18	107
		BF134579.D	Nitrobenzene-d5	100	98.60	99		18	107
			2-Fluorobiphenyl	100	87.96	88		20	109
		BF134569.D	2-Fluorobiphenyl	100	81.93	82		20	109
			2,4,6-Tribromophenol	150	131.34	88		10	110
		BF134579.D	2,4,6-Tribromophenol	150	136.53	91		10	110
			Terphenyl-d14	100	73.46	73		14	112
		BF134569.D	Terphenyl-d14	100	68.23	68		14	112

Surrogate Summary

SW-846

SDG No.: **BF080223**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3826-01	HR-01-072823	BF134570.D	2-Fluorophenol	150	73.61	49		18	112
			Phenol-d6	150	69.34	46		15	107
			Nitrobenzene-d5	100	58.72	59		18	107
			2-Fluorobiphenyl	100	60.59	61		20	109
			2,4,6-Tribromophenol	150	69.32	46		10	110
			Terphenyl-d14	100	60.99	61		14	112
O3833-01	82ND-1	BF134593.D	2-Fluorophenol	150	52.14	35		18	112
			Phenol-d6	150	50.57	34		15	107
			Nitrobenzene-d5	100	39.81	40		18	107
			2-Fluorobiphenyl	100	43.09	43		20	109
			2,4,6-Tribromophenol	150	46.92	31		10	110
			Terphenyl-d14	100	38.13	38		14	112
O3834-01	B-P2A	BF134596.D	2-Fluorophenol	150	49.91	33		18	112
			Phenol-d6	150	49.11	33		15	107
			Nitrobenzene-d5	100	38.22	38		18	107
			2-Fluorobiphenyl	100	38.51	39		20	109
			2,4,6-Tribromophenol	150	43.23	29		10	110
			Terphenyl-d14	100	34.96	35		14	112
O3834-02	B-P2B	BF134592.D	2-Fluorophenol	150	54.51	36		18	112
			Phenol-d6	150	55.06	37		15	107
			Nitrobenzene-d5	100	42.75	43		18	107
			2-Fluorobiphenyl	100	49.32	49		20	109
			2,4,6-Tribromophenol	150	56.64	38		10	110
			Terphenyl-d14	100	44.38	44		14	112
O3835-01	HR-01-072823	BF134571.D	2-Fluorophenol	150	60.30	40		18	112
			Phenol-d6	150	57.83	39		15	107
			Nitrobenzene-d5	100	47.83	48		18	107
			2-Fluorobiphenyl	100	52.00	52		20	109
			2,4,6-Tribromophenol	150	55.90	37			



Surrogate Summary

SW-846

SDG No.: BF080223

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3842-02	342	BF134586.D	2-Fluorophenol	150	92.17	61		18	112
			Phenol-d6	150	89.70	60		15	107
			Nitrobenzene-d5	100	73.34	73		18	107
			2-Fluorobiphenyl	100	76.36	76		20	109
			2,4,6-Tribromophenol	150	91.75	61		10	110
			Terphenyl-d14	100	69.38	69		14	112
O3842-02MS	342MS	BF134587.D	2-Fluorophenol	150	83.03	55		18	112
			Phenol-d6	150	83.30	56		15	107
			Nitrobenzene-d5	100	65.70	66		18	107
			2-Fluorobiphenyl	100	68.08	68		20	109
			2,4,6-Tribromophenol	150	80.30	54		10	110
			Terphenyl-d14	100	69.20	69		14	112
O3842-02MSD	342MSD	BF134588.D	2-Fluorophenol	150	85.27	57		18	112
			Phenol-d6	150	86.39	58		15	107
			Nitrobenzene-d5	100	69.00	69		18	107
			2-Fluorobiphenyl	100	71.06	71		20	109
			2,4,6-Tribromophenol	150	84.27	56		10	110
			Terphenyl-d14	100	71.35	71		14	112
O3842-04	350	BF134589.D	2-Fluorophenol	150	86.28	58		18	112
			Phenol-d6	150	84.14	56		15	107
			Nitrobenzene-d5	100	69.40	69		18	107
			2-Fluorobiphenyl	100	72.30	72		20	109
			2,4,6-Tribromophenol	150	79.94	53		10	110
			Terphenyl-d14	100	64.97	65		14	112

Surrogate Summary

SW-846

SDG No.: **BF080223**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3598-06	RB-55-(2-5)	BF134597.D	2-Fluorophenol	150	83.37	56		18	112
			Phenol-d6	150	82.35	55		15	107
			Nitrobenzene-d5	100	67.32	67		18	107
			2-Fluorobiphenyl	100	73.31	73		20	109
			2,4,6-Tribromophenol	150	83.09	55		10	110
			Terphenyl-d14	100	60.57	61		14	112
O3598-07	RB-56-(0-2)	BF134594.D	2-Fluorophenol	150	72.38	48		18	112
			Phenol-d6	150	71.03	47		15	107
			Nitrobenzene-d5	100	58.49	58		18	107
			2-Fluorobiphenyl	100	62.66	63		20	109
			2,4,6-Tribromophenol	150	71.13	47		10	110
			Terphenyl-d14	100	51.00	51		14	112
O3598-08	RB-56-(2-5)	BF134590.D	2-Fluorophenol	150	65.02	43		18	112
			Phenol-d6	150	63.43	42		15	107
			Nitrobenzene-d5	100	51.53	52		18	107
			2-Fluorobiphenyl	100	55.84	56		20	109
			2,4,6-Tribromophenol	150	63.41	42		10	110
			Terphenyl-d14	100	51.42	51		14	112
O3598-09	RB-53-(0-2)	BF134595.D	2-Fluorophenol	150	77.46	52		18	112
			Phenol-d6	150	77.48	52		15	107
			Nitrobenzene-d5	100	61.34	61		18	107
			2-Fluorobiphenyl	100	64.50	64		20	109
			2,4,6-Tribromophenol	150	74.25	49		10	110
			Terphenyl-d14	100	52.90	53		14	112
O3598-10	RB-53-(2-5)	BF134591.D	2-Fluorophenol	150	74.10	49		18	112
			Phenol-d6	150	75.12	50		15	107
			Nitrobenzene-d5	100	59.07	59		18	107
			2-Fluorobiphenyl	100	6				

