

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF122623 SAS No.: BF122623 SDG No.: BF122623
 Instrument ID: BNA_F Calibration Date/Time: 12/26/2023 : 10:44
 Lab File ID: BF136711.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	0.696	0.693		-0.431	
Pyridine	1.303	1.315		0.921	
2-Fluorophenol	1.282	1.305		1.794	
Benzaldehyde	0.945	0.900		-4.762	
Aniline	1.661	1.556		-6.321	
Phenol-d6	1.661	1.629		-1.927	
Phenol	1.773	1.686		-4.907	20.0
bis(2-Chloroethyl)ether	1.348	1.308		-2.967	
2-Chlorophenol	1.403	1.404		0.071	
1,2-Dichlorobenzene	1.455	1.442		-0.893	
1,3-Dichlorobenzene	1.530	1.545		0.98	
1,4-Dichlorobenzene	1.564	1.549		-0.959	20.0
Benzyl Alcohol	1.121	1.116		-0.446	
2-Methylphenol	1.162	1.108		-4.647	
2,2-oxybis(1-Chloropropane)	2.205	2.073		-5.986	
Acetophenone	0.501	0.504		0.599	
3+4-Methylphenols	1.452	1.402		-3.444	
n-Nitroso-di-n-propylamine	1.007	0.952	0.050	-5.462	
Nitrobenzene-d5	0.391	0.394		0.767	
Hexachloroethane	0.568	0.574		1.056	
Nitrobenzene	0.392	0.398		1.531	
Isophorone	0.711	0.686		-3.516	
2-Nitrophenol	0.187	0.193		3.209	20.0
2,4-Dimethylphenol	0.228	0.227		-0.439	
bis(2-Chloroethoxy)methane	0.432	0.426		-1.389	
2,4-Dichlorophenol	0.294	0.297		1.02	20.0
1,2,4-Trichlorobenzene	0.327	0.335		2.446	
Benzoic acid	0.221	0.226		2.262	
Naphthalene	1.099	1.107		0.728	
4-Chloroaniline	0.406	0.381		-6.158	
Hexachlorobutadiene	0.199	0.202		1.508	20.0
Caprolactam	0.097	0.091		-6.186	
4-Chloro-3-methylphenol	0.331	0.321		-3.021	20.0
2-Methylnaphthalene	0.707	0.689		-2.546	
Hexachlorocyclopentadiene	0.172	0.158	0.050	-8.14	
2,4,6-Trichlorophenol	0.397	0.419		5.542	20.0
2-Fluorobiphenyl	1.487	1.502		1.009	
2,4,5-Trichlorophenol	0.443	0.465		4.966	
1,1-Biphenyl	1.678	1.719		2.443	
2-Chloronaphthalene	1.276	1.307		2.429	
2-Nitroaniline	0.400	0.415		3.75	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.461	1.452		-0.616	
Acenaphthylene	1.950	2.011		3.128	
2,6-Dinitrotoluene	0.332	0.335		0.904	
3-Nitroaniline	0.351	0.354		0.855	
Acenaphthene	1.209	1.218		0.744	20.0
2,4-Dinitrophenol	0.165	0.167	0.050	1.212	
4-Nitrophenol	0.237	0.235	0.050	-0.844	
Dibenzofuran	1.832	1.829		-0.164	
2,4-Dinitrotoluene	0.430	0.429		-0.233	
Diethylphthalate	1.516	1.488		-1.847	
4-Chlorophenyl-phenylether	0.707	0.704		-0.424	
Fluorene	1.454	1.457		0.206	
4-Nitroaniline	0.339	0.330		-2.655	
4,6-Dinitro-2-methylphenol	0.115	0.128		11.304	
n-Nitrosodiphenylamine	0.650	0.670		3.077	20.0
Azobenzene	1.416	1.397		-1.342	
2,4,6-Tribromophenol	0.236	0.241		2.119	
4-Bromophenyl-phenylether	0.222	0.228		2.703	
Hexachlorobenzene	0.248	0.259		4.435	
Atrazine	0.166	0.182		9.639	
Pentachlorophenol	0.115	0.119		3.478	20.0
Phenanthrene	1.026	1.064		3.704	
Anthracene	1.039	1.057		1.732	
Carbazole	0.980	1.002		2.245	
Di-n-butylphthalate	1.196	1.197		0.084	
Fluoranthene	1.098	1.095		-0.273	20.0
Benzidine	0.590	0.517		-12.373	
Pyrene	1.963	2.101		7.03	
Terphenyl-d14	1.431	1.493		4.333	
Butylbenzylphthalate	0.714	0.772		8.123	
3,3-Dichlorobenzidine	0.394	0.425		7.868	
Benzo (a) anthracene	1.389	1.451		4.464	
Chrysene	1.358	1.403		3.314	
Bis (2-ethylhexyl) phthalate	0.899	0.964		7.23	
Di-n-octyl phthalate	1.390	1.484		6.763	20.0
Benzo (b) fluoranthene	1.336	1.338		0.15	
Benzo (k) fluoranthene	1.262	1.234		-2.219	
Benzo (a) pyrene	1.128	1.145		1.507	20.0
Indeno (1,2,3-cd) pyrene	1.444	1.583		9.626	
Dibenzo (a,h) anthracene	1.185	1.312		10.717	
Benzo (g,h,i) perylene	1.213	1.349		11.212	



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Instrument ID: BNA_F Calibration Date/Time: 12/26/2023 : 10:44

Lab File ID: BF136711.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	0.619	0.652		5.331	
1,4-Dioxane	0.534	0.527		-1.311	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.347		1.76	
1-Methylnaphthalene	0.694	0.675		-2.738	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122623 SAS No.: BF122623 SDG No.: BF122623

Instrument ID: BNA_F Calibration Date/Time: 12/26/2023 : 18:21

Lab File ID: BF136725.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	0.696	0.688		-1.149	
Pyridine	1.303	1.322		1.458	
2-Fluorophenol	1.282	1.311		2.262	
Benzaldehyde	0.945	0.937		-0.847	
Aniline	1.661	1.553		-6.502	
Phenol-d6	1.661	1.606		-3.311	
Phenol	1.773	1.700		-4.117	20.0
bis(2-Chloroethyl)ether	1.348	1.292		-4.154	
2-Chlorophenol	1.403	1.397		-0.428	
1,2-Dichlorobenzene	1.455	1.451		-0.275	
1,3-Dichlorobenzene	1.530	1.543		0.85	
1,4-Dichlorobenzene	1.564	1.575		0.703	20.0
Benzyl Alcohol	1.121	1.104		-1.517	
2-Methylphenol	1.162	1.103		-5.077	
2,2-oxybis(1-Chloropropane)	2.205	2.089		-5.261	
Acetophenone	0.501	0.511		1.996	
3+4-Methylphenols	1.452	1.374		-5.372	
n-Nitroso-di-n-propylamine	1.007	0.936	0.050	-7.051	
Nitrobenzene-d5	0.391	0.402		2.813	
Hexachloroethane	0.568	0.558		-1.761	
Nitrobenzene	0.392	0.405		3.316	
Isophorone	0.711	0.693		-2.532	
2-Nitrophenol	0.187	0.199		6.417	20.0
2,4-Dimethylphenol	0.228	0.229		0.439	
bis(2-Chloroethoxy)methane	0.432	0.430		-0.463	
2,4-Dichlorophenol	0.294	0.299		1.701	20.0
1,2,4-Trichlorobenzene	0.327	0.336		2.752	
Benzoic acid	0.221	0.215		-2.715	
Naphthalene	1.099	1.103		0.364	
4-Chloroaniline	0.406	0.393		-3.202	
Hexachlorobutadiene	0.199	0.202		1.508	20.0
Caprolactam	0.097	0.088		-9.278	
4-Chloro-3-methylphenol	0.331	0.317		-4.23	20.0
2-Methylnaphthalene	0.707	0.696		-1.556	
Hexachlorocyclopentadiene	0.172	0.160	0.050	-6.977	
2,4,6-Trichlorophenol	0.397	0.422		6.297	20.0
2-Fluorobiphenyl	1.487	1.517		2.017	
2,4,5-Trichlorophenol	0.443	0.452		2.032	
1,1-Biphenyl	1.678	1.753		4.47	
2-Chloronaphthalene	1.276	1.332		4.389	
2-Nitroaniline	0.400	0.404		1.0	



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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.461	1.419		-2.875	
Acenaphthylene	1.950	2.000		2.564	
2,6-Dinitrotoluene	0.332	0.334		0.602	
3-Nitroaniline	0.351	0.330		-5.983	
Acenaphthene	1.209	1.214		0.414	20.0
2,4-Dinitrophenol	0.165	0.145	0.050	-12.121	
4-Nitrophenol	0.237	0.211	0.050	-10.97	
Dibenzofuran	1.832	1.833		0.055	
2,4-Dinitrotoluene	0.430	0.414		-3.721	
Diethylphthalate	1.516	1.418		-6.464	
4-Chlorophenyl-phenylether	0.707	0.672		-4.95	
Fluorene	1.454	1.424		-2.063	
4-Nitroaniline	0.339	0.300		-11.504	
4,6-Dinitro-2-methylphenol	0.115	0.125		8.696	
n-Nitrosodiphenylamine	0.650	0.685		5.385	20.0
Azobenzene	1.416	1.331		-6.003	
2,4,6-Tribromophenol	0.236	0.221		-6.356	
4-Bromophenyl-phenylether	0.222	0.235		5.856	
Hexachlorobenzene	0.248	0.260		4.839	
Atrazine	0.166	0.171		3.012	
Pentachlorophenol	0.115	0.117		1.739	20.0
Phenanthrene	1.026	1.050		2.339	
Anthracene	1.039	1.046		0.674	
Carbazole	0.980	0.968		-1.224	
Di-n-butylphthalate	1.196	1.149		-3.93	
Fluoranthene	1.098	1.038		-5.464	20.0
Benzidine	0.590	0.510		-13.559	
Pyrene	1.963	1.965		0.102	
Terphenyl-d14	1.431	1.403		-1.957	
Butylbenzylphthalate	0.714	0.732		2.521	
3,3-Dichlorobenzidine	0.394	0.440		11.675	
Benzo (a) anthracene	1.389	1.429		2.88	
Chrysene	1.358	1.407		3.608	
Bis (2-ethylhexyl) phthalate	0.899	0.964		7.23	
Di-n-octyl phthalate	1.390	1.613		16.043	20.0
Benzo (b) fluoranthene	1.336	1.294		-3.144	
Benzo (k) fluoranthene	1.262	1.187		-5.943	
Benzo (a) pyrene	1.128	1.163		3.103	20.0
Indeno (1,2,3-cd) pyrene	1.444	1.624		12.465	
Dibenzo (a,h) anthracene	1.185	1.320		11.392	
Benzo (g,h,i) perylene	1.213	1.379		13.685	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.619	0.672		8.562	
1,4-Dioxane	0.534	0.525		-1.685	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.327		-4.106	
1-Methylnaphthalene	0.694	0.675		-2.738	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BL	SDG No.:	BF122623
Lab Sample ID:	PB157949BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136712.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	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	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	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	86.7	U	86.7	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	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BL	SDG No.:	BF122623
Lab Sample ID:	PB157949BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136712.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

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	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	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	76.9	U	76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.9	U	189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BL	SDG No.:	BF122623
Lab Sample ID:	PB157949BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136712.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

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	83.7	U	83.7	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	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	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	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	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	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	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	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	139.812		18-112		93	SPK: -150
13127-88-3	Phenol-d6	134.276		15-107		90	SPK: -150
4165-60-0	Nitrobenzene-d5	95.275		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	93.725		20-109		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	135.048		10-110		90	SPK: -150
1718-51-0	Terphenyl-d14	88.231		14-112		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89720	6.786				
1146-65-2	Naphthalene-d8	345085	8.063				
15067-26-2	Acenaphthene-d10	173310	9.816				
1517-22-2	Phenanthrene-d10	334551	11.31				
1719-03-5	Chrysene-d12	199291	13.963				
1520-96-3	Perylene-d12	176492	15.445				



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Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BL	SDG No.:	BF122623
Lab Sample ID:	PB157949BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136712.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.057	

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BS	SDG No.:	BF122623
Lab Sample ID:	PB157949BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136713.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		77.2	270	330	ug/Kg
110-86-1	Pyridine	940		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	610		150	270	330	ug/Kg
62-53-3	Aniline	950		120	130	170	ug/Kg
108-95-2	Phenol	1300		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1400		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		59	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1200		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1300		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	860		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BS	SDG No.:	BF122623
Lab Sample ID:	PB157949BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136713.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2600		210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.2	130	170	ug/Kg
Total PAH	Total PAH	22900		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2600		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.3	130	170	ug/Kg
86-73-7	Fluorene	1300		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1200		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2000		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2700	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.6	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BS	SDG No.:	BF122623
Lab Sample ID:	PB157949BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136713.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	350		190	270	330	ug/Kg
129-00-0	Pyrene	1400		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.8	130	170	ug/Kg
218-01-9	Chrysene	1300		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.188		18-112		77	SPK: -150
13127-88-3	Phenol-d6	109.949		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	75.488		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	76.798		20-109		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	112.272		10-110		75	SPK: -150
1718-51-0	Terphenyl-d14	77.217		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	99443	6.786				
1146-65-2	Naphthalene-d8	386198	8.063				
15067-26-2	Acenaphthene-d10	191720	9.822				
1517-22-2	Phenanthrene-d10	362486	11.316				
1719-03-5	Chrysene-d12	193699	13.968				
1520-96-3	Perylene-d12	169585	15.445				



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Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157949BS	SDG No.:	BF122623
Lab Sample ID:	PB157949BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BF136713.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157949

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

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BL	SDG No.:	BF122623
Lab Sample ID:	PB157895BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136714.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BL	SDG No.:	BF122623
Lab Sample ID:	PB157895BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136714.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BL	SDG No.:	BF122623
Lab Sample ID:	PB157895BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136714.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	142.67		10-139		95	SPK: -150
13127-88-3	Phenol-d6	134.683		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	95.264		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	93.244		52-132		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	130.232		32-145		87	SPK: -150
1718-51-0	Terphenyl-d14	91.379		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88234	6.787				
1146-65-2	Naphthalene-d8	343600	8.063				
15067-26-2	Acenaphthene-d10	175318	9.816				
1517-22-2	Phenanthrene-d10	326365	11.31				
1719-03-5	Chrysene-d12	190565	13.963				
1520-96-3	Perylene-d12	174586	15.445				



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Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BL	SDG No.:	BF122623
Lab Sample ID:	PB157895BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136714.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.4	A			5.057	

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BS	SDG No.:	BF122623
Lab Sample ID:	PB157895BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136715.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.1		2	8	10	ug/L
110-86-1	Pyridine	29.1		1.8	4	5	ug/L
100-52-7	Benzaldehyde	14.3		3.3	8	10	ug/L
62-53-3	Aniline	24.3		2.4	4	5	ug/L
108-95-2	Phenol	37.9		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.3		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	42.2		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	39		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.3		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38.6		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	42.8		2.4	8	10	ug/L
95-48-7	2-Methylphenol	38.9		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.3		2.3	4	5	ug/L
98-86-2	Acetophenone	39.1		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	38.3		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.1		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	38.6		1.6	4	5	ug/L
98-95-3	Nitrobenzene	37.6		1.7	4	5	ug/L
78-59-1	Isophorone	37.4		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	40.4		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	48.7		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.7		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	37.5		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.2		1.7	4	5	ug/L
65-85-0	Benzoic acid	39.7		6.7	8	10	ug/L
91-20-3	Naphthalene	37.4		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	21.4		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	36.5		1.9	4	5	ug/L
105-60-2	Caprolactam	37.7		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	36.8		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	36.5		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BS	SDG No.:	BF122623
Lab Sample ID:	PB157895BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136715.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	90.9	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40.5		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	40.3		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	39.5		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	39.8		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	40.4		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	39.8		1.9	4	5	ug/L
208-96-8	Acenaphthylene	41.1		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	39.3		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	31.3		2.4	4	5	ug/L
83-32-9	Acenaphthene	38.4		1.7	4	5	ug/L
Total PAH	Total PAH	688.2		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	78		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	78.4		2.8	8	10	ug/L
132-64-9	Dibenzofuran	38.5		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	77.2		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	37.9		2.5	4	5	ug/L
84-66-2	Diethylphthalate	38.4		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.7		2.2	4	5	ug/L
86-73-7	Fluorene	38.8		2	4	5	ug/L
100-01-6	4-Nitroaniline	35.1		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43.1		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41		2	4	5	ug/L
103-33-3	Azobenzene	38.3		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39.5		2	4	5	ug/L
118-74-1	Hexachlorobenzene	39.7		1.9	4	5	ug/L
1912-24-9	Atrazine	39.1		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	72.6		2.6	8	10	ug/L
85-01-8	Phenanthrene	41.2		2	4	5	ug/L
120-12-7	Anthracene	40.7		2.3	4	5	ug/L
86-74-8	Carbazole	39.7		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	39.5		2.4	4	5	ug/L
206-44-0	Fluoranthene	38.8		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BS	SDG No.:	BF122623
Lab Sample ID:	PB157895BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136715.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	41		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.7		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	40.5		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	40.6		1.5	4	5	ug/L
218-01-9	Chrysene	39.6		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43.2		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	44.7		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	44.2		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.4		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.2		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.7		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.7		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	51.4		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	29.2		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	35.1		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	116.925		10-139		78	SPK: -150
13127-88-3	Phenol-d6	109.918		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	73.035		49-133		73	SPK: -100
321-60-8	2-Fluorobiphenyl	73.863		52-132		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	112.192		32-145		75	SPK: -150
1718-51-0	Terphenyl-d14	76.619		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98829	6.787				
1146-65-2	Naphthalene-d8	404330	8.063				
15067-26-2	Acenaphthene-d10	192639	9.822				
1517-22-2	Phenanthrene-d10	359576	11.316				
1719-03-5	Chrysene-d12	188950	13.968				
1520-96-3	Perylene-d12	153171	15.445				



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Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BS	SDG No.:	BF122623
Lab Sample ID:	PB157895BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	Level : LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136715.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

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

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BSD	SDG No.:	BF122623
Lab Sample ID:	PB157895BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136716.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.9		2	8	10	ug/L
110-86-1	Pyridine	29.8		1.8	4	5	ug/L
100-52-7	Benzaldehyde	14.4		3.3	8	10	ug/L
62-53-3	Aniline	24.2		2.4	4	5	ug/L
108-95-2	Phenol	38.6		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.9		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	42.9		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	39.5		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.8		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38.5		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	42.5		2.4	8	10	ug/L
95-48-7	2-Methylphenol	40.2		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.4		2.3	4	5	ug/L
98-86-2	Acetophenone	39.7		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	38.4		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.9		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	39.7		1.6	4	5	ug/L
98-95-3	Nitrobenzene	38.1		1.7	4	5	ug/L
78-59-1	Isophorone	38.3		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	40.7		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	49.8		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.3		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	38.5		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.4		1.7	4	5	ug/L
65-85-0	Benzoic acid	39.7		6.7	8	10	ug/L
91-20-3	Naphthalene	38.1		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	21.6		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	37.2		1.9	4	5	ug/L
105-60-2	Caprolactam	38.3		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	37.6		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	36.9		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BSD	SDG No.:	BF122623
Lab Sample ID:	PB157895BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136716.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	91.2	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	41.3		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39.8		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	39.7		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	39.9		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	41.1		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	39.9		1.9	4	5	ug/L
208-96-8	Acenaphthylene	41.1		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	39.1		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	32		2.4	4	5	ug/L
83-32-9	Acenaphthene	39.3		1.7	4	5	ug/L
Total PAH	Total PAH	695.9		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	78.6		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	78.6		2.8	8	10	ug/L
132-64-9	Dibenzofuran	38.9		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	38.1		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	77.2		4.6	4	10	ug/L
84-66-2	Diethylphthalate	38.5		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.4		2.2	4	5	ug/L
86-73-7	Fluorene	39.5		2	4	5	ug/L
100-01-6	4-Nitroaniline	35.3		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43.1		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	40.8		2	4	5	ug/L
103-33-3	Azobenzene	38.8		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39.3		2	4	5	ug/L
118-74-1	Hexachlorobenzene	39.3		1.9	4	5	ug/L
1912-24-9	Atrazine	38.8		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	71.6		2.6	8	10	ug/L
85-01-8	Phenanthrene	40.7		2	4	5	ug/L
120-12-7	Anthracene	40		2.3	4	5	ug/L
86-74-8	Carbazole	39.3		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	39.9		2.4	4	5	ug/L
206-44-0	Fluoranthene	38.4		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BSD	SDG No.:	BF122623
Lab Sample ID:	PB157895BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136716.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	41		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	42.9		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	41.1		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	41		1.5	4	5	ug/L
218-01-9	Chrysene	39.5		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43.9		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	43.9		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.9		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.5		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	47.1		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.9		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.4		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	52.5		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.7		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	29.2		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.2		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	35.9		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119.092		10-139		79	SPK: -150
13127-88-3	Phenol-d6	110.839		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	73.332		49-133		73	SPK: -100
321-60-8	2-Fluorobiphenyl	74.983		52-132		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	110.805		32-145		74	SPK: -150
1718-51-0	Terphenyl-d14	77.054		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96803	6.787				
1146-65-2	Naphthalene-d8	394750	8.063				
15067-26-2	Acenaphthene-d10	189360	9.822				
1517-22-2	Phenanthrene-d10	356932	11.316				
1719-03-5	Chrysene-d12	186752	13.969				
1520-96-3	Perylene-d12	147504	15.445				



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Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157895BSD	SDG No.:	BF122623
Lab Sample ID:	PB157895BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136716.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157895

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

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	PB157810BS	SDG No.:	BF122623
Lab Sample ID:	PB157810BS	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
BF136717.D	1	12/15/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		77.2	270	330	ug/Kg
110-86-1	Pyridine	1000		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	640		150	270	330	ug/Kg
62-53-3	Aniline	960		120	130	170	ug/Kg
108-95-2	Phenol	1300		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1400		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1300		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1300		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	830		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	PB157810BS	SDG No.:	BF122623
Lab Sample ID:	PB157810BS	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
BF136717.D	1	12/15/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2600		210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1300		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1300		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.2	130	170	ug/Kg
Total PAH	Total PAH	22700		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2600		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2600		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.3	130	170	ug/Kg
86-73-7	Fluorene	1300		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1200		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2000		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2700		110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.6	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	PB157810BS	SDG No.:	BF122623
Lab Sample ID:	PB157810BS	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
BF136717.D	1	12/15/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	390		190	270	330	ug/Kg
129-00-0	Pyrene	1300		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.8	130	170	ug/Kg
218-01-9	Chrysene	1300		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.111		18-112		79	SPK: -150
13127-88-3	Phenol-d6	111.325		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	74.844		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	77.335		20-109		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	112.446		10-110		75	SPK: -150
1718-51-0	Terphenyl-d14	76.432		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97203	6.786				
1146-65-2	Naphthalene-d8	387736	8.063				
15067-26-2	Acenaphthene-d10	190231	9.822				
1517-22-2	Phenanthrene-d10	354277	11.316				
1719-03-5	Chrysene-d12	187870	13.968				
1520-96-3	Perylene-d12	169492	15.445				



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Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	PB157810BS	SDG No.:	BF122623
Lab Sample ID:	PB157810BS	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
BF136717.D	1	12/15/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157810

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

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157861BS	SDG No.:	BF122623
Lab Sample ID:	PB157861BS	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
BF136718.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		77.2	270	330	ug/Kg
110-86-1	Pyridine	980		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	620		150	270	330	ug/Kg
62-53-3	Aniline	960		120	130	170	ug/Kg
108-95-2	Phenol	1300		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1400		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1200		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1200		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	840		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1300		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157861BS	SDG No.:	BF122623
Lab Sample ID:	PB157861BS	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
BF136718.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2500		210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1300		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1300		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.2	130	170	ug/Kg
Total PAH	Total PAH	22600		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2500		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		90.3	130	170	ug/Kg
86-73-7	Fluorene	1300		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1100		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2000		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2600		110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.6	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157861BS	SDG No.:	BF122623
Lab Sample ID:	PB157861BS	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
BF136718.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	410		190	270	330	ug/Kg
129-00-0	Pyrene	1300		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.8	130	170	ug/Kg
218-01-9	Chrysene	1300		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.367		18-112		77	SPK: -150
13127-88-3	Phenol-d6	108.241		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	74.62		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	75.528		20-109		76	SPK: -100
118-79-6	2,4,6-Tribromophenol	108.232		10-110		72	SPK: -150
1718-51-0	Terphenyl-d14	75.978		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	99703	6.787				
1146-65-2	Naphthalene-d8	392467	8.063				
15067-26-2	Acenaphthene-d10	193409	9.822				
1517-22-2	Phenanthrene-d10	346176	11.316				
1719-03-5	Chrysene-d12	182449	13.969				
1520-96-3	Perylene-d12	174185	15.445				



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Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	PB157861BS	SDG No.:	BF122623
Lab Sample ID:	PB157861BS	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
BF136718.D	1	12/18/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157861

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

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122623
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136719.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122623
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136719.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122623
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136719.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	40.737		10-139		27	SPK: -150
13127-88-3	Phenol-d6	21.88		10-134		15	SPK: -150
4165-60-0	Nitrobenzene-d5	81.442		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	85.299		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	100.945		32-145		67	SPK: -150
1718-51-0	Terphenyl-d14	60.286		36-145		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68089	6.781				
1146-65-2	Naphthalene-d8	246569	8.057				
15067-26-2	Acenaphthene-d10	117494	9.816				
1517-22-2	Phenanthrene-d10	194283	11.304				
1719-03-5	Chrysene-d12	142591	13.963				
1520-96-3	Perylene-d12	124346	15.439				



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Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122623
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136719.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	9	J			11.839	
085896-31-7	13-Tetradecenal	2.4	J			12.551	
001002-84-2	Pentadecanoic acid	4.4	J			12.627	
000111-02-4	Squalene	5.7	J			13.61	

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	E8965C-S-002	SDG No.:	BF122623
Lab Sample ID:	O5993-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136720.D	1	12/23/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158057

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	79		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	E8965C-S-002	SDG No.:	BF122623
Lab Sample ID:	O5993-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136720.D	1	12/23/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158057

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	E8965C-S-002	SDG No.:	BF122623
Lab Sample ID:	O5993-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136720.D	1	12/23/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158057

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	113.128		10-139		75	SPK: -150
13127-88-3	Phenol-d6	98.939		10-134		66	SPK: -150
4165-60-0	Nitrobenzene-d5	81.75		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	88.187		52-132		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	116.14		32-145		77	SPK: -150
1718-51-0	Terphenyl-d14	70.011		36-145		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72268	6.787				
1146-65-2	Naphthalene-d8	272595	8.057				
15067-26-2	Acenaphthene-d10	125263	9.816				
1517-22-2	Phenanthrene-d10	212626	11.304				
1719-03-5	Chrysene-d12	147227	13.963				
1520-96-3	Perylene-d12	129335	15.439				



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Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	E8965C-S-002	SDG No.:	BF122623
Lab Sample ID:	O5993-01	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136720.D	1	12/23/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB158057

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

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-5	SDG No.:	BF122623
Lab Sample ID:	O5929-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136721.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.1	U	53.1	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	48	48	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.4	U	50.4	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-5	SDG No.:	BF122623
Lab Sample ID:	O5929-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136721.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	54	U	54	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.5	U	861.5	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.9	U	113.9	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.4	U	62.4	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.2	U	61.2	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.4	U	62.4	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-5	SDG No.:	BF122623
Lab Sample ID:	O5929-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136721.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.9	U	57.9	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.5	U	55.5	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	66.102		18-112		44	SPK: -150
13127-88-3	Phenol-d6	79.45		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	67.339		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	74.175		20-109		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	46.352		10-110		31	SPK: -150
1718-51-0	Terphenyl-d14	51.713		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67478	6.781				
1146-65-2	Naphthalene-d8	235919	8.057				
15067-26-2	Acenaphthene-d10	106211	9.816				
1517-22-2	Phenanthrene-d10	173461	11.304				
1719-03-5	Chrysene-d12	143805	13.963				
1520-96-3	Perylene-d12	119954	15.439				



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Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-5	SDG No.:	BF122623
Lab Sample ID:	O5929-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136721.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

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

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-2	SDG No.:	BF122623
Lab Sample ID:	O5929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136722.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.1	U	43.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.4	U	46.4	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.4	U	49.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-2	SDG No.:	BF122623
Lab Sample ID:	O5929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136722.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.2	U	861.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.8	U	113.8	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-2	SDG No.:	BF122623
Lab Sample ID:	O5929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136722.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.004		18-112		53	SPK: -150
13127-88-3	Phenol-d6	81.879		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	60.202		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	67.581		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	55.159		10-110		37	SPK: -150
1718-51-0	Terphenyl-d14	48.521		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73450	6.781				
1146-65-2	Naphthalene-d8	269244	8.057				
15067-26-2	Acenaphthene-d10	120607	9.816				
1517-22-2	Phenanthrene-d10	191981	11.31				
1719-03-5	Chrysene-d12	153884	13.962				
1520-96-3	Perylene-d12	125994	15.439				



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Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	CONCRETE-PAD-2	SDG No.:	BF122623
Lab Sample ID:	O5929-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	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
BF136722.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157973

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-05-10.25-11.25RE	SDG No.:	BF122623
Lab Sample ID:	O5796-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BF136723.D	1	12/13/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	85.5	U	85.5	300	360	ug/Kg
110-86-1	Pyridine	80	U	80	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	300	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	82.3	U	82.3	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	99.3	U	99.3	140	190	ug/Kg
95-57-8	2-Chlorophenol	79.6	U	79.6	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.3	U	90.3	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.8	U	97.8	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.1	U	91.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	360	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	95.9	U	95.9	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	65.2	U	65.2	88.4	88.4	ug/Kg
67-72-1	Hexachloroethane	81.4	U	81.4	140	190	ug/Kg
98-95-3	Nitrobenzene	83.1	U	83.1	140	190	ug/Kg
78-59-1	Isophorone	75.3	U	75.3	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	86.3	U	86.3	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.7	U	85.7	140	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	360	ug/Kg
91-20-3	Naphthalene	90	U	90	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.9	U	92.9	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.2	U	91.2	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-05-10.25-11.25RE	SDG No.:	BF122623
Lab Sample ID:	O5796-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BF136723.D	1	12/13/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.2	U	85.2	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.2	U	97.2	140	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.5	U	93.5	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	98.3	U	98.3	140	190	ug/Kg
208-96-8	Acenaphthylene	97.7	U	97.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	99.5	U	99.5	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	88.8	U	88.8	140	190	ug/Kg
Total PAH	Total PAH	1830	U	1577.8	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	85	U	85	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	209.5	U	209.5	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	95	U	95	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.9	U	99.9	140	190	ug/Kg
86-73-7	Fluorene	93.8	U	93.8	140	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.1	U	97.1	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	81.3	U	81.3	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	360	ug/Kg
85-01-8	Phenanthrene	230		100	140	190	ug/Kg
120-12-7	Anthracene	110	U	110	140	190	ug/Kg
86-74-8	Carbazole	93.9	U	93.9	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	190	ug/Kg
206-44-0	Fluoranthene	440		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-05-10.25-11.25RE	SDG No.:	BF122623
Lab Sample ID:	O5796-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
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
BF136723.D	1	12/13/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	300	360	ug/Kg
129-00-0	Pyrene	260		92.5	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	360	ug/Kg
56-55-3	Benzo(a)anthracene	190		92.8	140	190	ug/Kg
218-01-9	Chrysene	190		96	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	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		88.8	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	97.4	U	97.4	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	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	110	J	100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.8	U	98.8	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	91.7	U	91.7	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	99.7	U	99.7	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	1.897	*	18-112		1	SPK: -150
13127-88-3	Phenol-d6	36.057		15-107		24	SPK: -150
4165-60-0	Nitrobenzene-d5	56.997		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	61.927		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	0.092	*	10-110		0	SPK: -150
1718-51-0	Terphenyl-d14	47.92		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70410	6.78				
1146-65-2	Naphthalene-d8	224283	8.057				
15067-26-2	Acenaphthene-d10	97400	9.816				
1517-22-2	Phenanthrene-d10	181501	11.304				
1719-03-5	Chrysene-d12	147086	13.962				
1520-96-3	Perylene-d12	100169	15.451				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-05-10.25-11.25RE	SDG No.:	BF122623
Lab Sample ID:	O5796-02RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136723.D	1	12/13/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157746

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

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157858TB	SDG No.:	BF122623
Lab Sample ID:	PB157858TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136726.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157858TB	SDG No.:	BF122623
Lab Sample ID:	PB157858TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136726.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157858TB	SDG No.:	BF122623
Lab Sample ID:	PB157858TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136726.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.894		10-139		83	SPK: -150
13127-88-3	Phenol-d6	121.962		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	82.869		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	82.307		52-132		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	113.272		32-145		76	SPK: -150
1718-51-0	Terphenyl-d14	81.013		36-145		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86340	6.781				
1146-65-2	Naphthalene-d8	332812	8.057				
15067-26-2	Acenaphthene-d10	166937	9.816				
1517-22-2	Phenanthrene-d10	320375	11.31				
1719-03-5	Chrysene-d12	177426	13.963				
1520-96-3	Perylene-d12	162888	15.439				



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Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157858TB	SDG No.:	BF122623
Lab Sample ID:	PB157858TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136726.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157937

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

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	ETGI-281	SDG No.:	BF122623
Lab Sample ID:	O5990-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136727.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	48	48	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	ETGI-281	SDG No.:	BF122623
Lab Sample ID:	O5990-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136727.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.2	U	861.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.8	U	113.8	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	ETGI-281	SDG No.:	BF122623
Lab Sample ID:	O5990-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136727.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	56.255		18-112		38	SPK: -150
13127-88-3	Phenol-d6	85.117		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	69.411		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	74.853		20-109		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	14.848		10-110		10	SPK: -150
1718-51-0	Terphenyl-d14	61.084		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71792	6.781				
1146-65-2	Naphthalene-d8	266782	8.057				
15067-26-2	Acenaphthene-d10	127263	9.816				
1517-22-2	Phenanthrene-d10	209455	11.304				
1719-03-5	Chrysene-d12	140876	13.963				
1520-96-3	Perylene-d12	132893	15.439				



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Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	ETGI-281	SDG No.:	BF122623
Lab Sample ID:	O5990-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136727.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

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

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-1-SOUTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
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
BF136728.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93	U	93	320	400	ug/Kg
110-86-1	Pyridine	87.1	U	87.1	160	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	400	ug/Kg
62-53-3	Aniline	140	U	140	160	200	ug/Kg
108-95-2	Phenol	89.5	U	89.5	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	200	ug/Kg
95-57-8	2-Chlorophenol	86.6	U	86.6	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.2	U	98.2	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	99.1	U	99.1	160	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	71	U	71	96.2	96.2	ug/Kg
67-72-1	Hexachloroethane	88.5	U	88.5	160	200	ug/Kg
98-95-3	Nitrobenzene	90.4	U	90.4	160	200	ug/Kg
78-59-1	Isophorone	81.9	U	81.9	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93.9	U	93.9	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.2	U	93.2	160	200	ug/Kg
65-85-0	Benzoic acid	260	U	260	320	400	ug/Kg
91-20-3	Naphthalene	97.9	U	97.9	160	200	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.2	U	99.2	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-1-SOUTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
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
BF136728.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92.7	U	92.7	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	96.6	U	96.6	160	200	ug/Kg
Total PAH	Total PAH	1721.1	U	1721.1	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	320	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	400	ug/Kg
132-64-9	Dibenzofuran	92.5	U	92.5	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	200	ug/Kg
86-73-7	Fluorene	100	U	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	200	ug/Kg
103-33-3	Azobenzene	88.4	U	88.4	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	400	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	200	ug/Kg
120-12-7	Anthracene	120	U	120	160	200	ug/Kg
86-74-8	Carbazole	100	U	100	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-1-SOUTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
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
BF136728.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	400	ug/Kg
129-00-0	Pyrene	100	U	100	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	200	ug/Kg
218-01-9	Chrysene	100	U	100	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	96.6	U	96.6	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.7	U	99.7	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	61.482		18-112		41	SPK: -150
13127-88-3	Phenol-d6	59.235		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	40.714		18-107		41	SPK: -100
321-60-8	2-Fluorobiphenyl	44.332		20-109		44	SPK: -100
118-79-6	2,4,6-Tribromophenol	53.53		10-110		36	SPK: -150
1718-51-0	Terphenyl-d14	33.527		14-112		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70138	6.781				
1146-65-2	Naphthalene-d8	264940	8.057				
15067-26-2	Acenaphthene-d10	125768	9.816				
1517-22-2	Phenanthrene-d10	207003	11.304				
1719-03-5	Chrysene-d12	142356	13.963				
1520-96-3	Perylene-d12	137296	15.439				

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-1-SOUTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
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
BF136728.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	290	J			11.839	
000112-80-1	Oleic Acid	87.4	J			12.551	
006222-07-7	Pentafluoropropionic acid, hexadec	130	J			13.839	
	unknown14.433	84.2	J			14.433	
	unknown14.816	210	J			14.816	
000107-52-8	Hexasiloxane, tetradecamethyl-	190	J			15.245	
000541-01-5	Heptasiloxane, hexadecamethyl-	160	J			15.757	
	unknown16.357	150	J			16.357	

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-65a	SDG No.:	BF122623
Lab Sample ID:	O5900-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136729.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157954

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:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-65a	SDG No.:	BF122623
Lab Sample ID:	O5900-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136729.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157954

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:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-65a	SDG No.:	BF122623
Lab Sample ID:	O5900-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136729.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157954

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	87.483		18-112		58	SPK: -150
13127-88-3	Phenol-d6	86.195		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	63.168		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	65.586		20-109		66	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.142		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	47.349		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78426	6.781				
1146-65-2	Naphthalene-d8	289354	8.057				
15067-26-2	Acenaphthene-d10	136120	9.816				
1517-22-2	Phenanthrene-d10	218030	11.304				
1719-03-5	Chrysene-d12	154796	13.962				
1520-96-3	Perylene-d12	143364	15.439				

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-65a	SDG No.:	BF122623
Lab Sample ID:	O5900-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136729.D	1	12/21/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157954

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	400	J			11.845	
000506-17-2	cis-Vaccenic acid	200	J			12.551	
000057-11-4	Octadecanoic acid	190	J			12.633	
	unknown13.133	100	J			13.133	
	unknown13.157	100	J			13.157	
000471-74-9	.delta.8(14)-Isopimaric acid	100	J			13.445	
005835-26-7	Isopimaric acid	79.6	J			13.668	
001740-19-8	Dehydroabietic acid	1400	J			13.768	
074685-33-9	3-Eicosene, (E)-	400	J			13.851	
000112-85-6	Docosanoic acid	120	J			14.033	
1000351-02-5	2H-Pyrazolo[3,4-b]pyridine-5-carbo	79.6	J			14.086	
959261-23-5	Heptafluorobutyric acid, pentadecy	150	J			14.486	
000506-30-9	Eicosanoic acid	93.9	J			14.657	
1000360-69-3	Methacrylic acid, 2,4,5-trichlorop	80.6	J			14.815	
1000360-42-7	5-Ethyl-5-methylnonadecane	76.2	J			15.092	
	unknown16.068	180	J			16.068	
	unknown17.592	370	J			17.592	

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MS	SDG No.:	BF122623
Lab Sample ID:	O5765-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BF136730.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2000		91.9	320	390	ug/Kg
110-86-1	Pyridine	1500		86	150	200	ug/Kg
100-52-7	Benzaldehyde	840		180	320	390	ug/Kg
62-53-3	Aniline	970		140	150	200	ug/Kg
108-95-2	Phenol	1600		88.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		110	150	200	ug/Kg
95-57-8	2-Chlorophenol	1700		85.6	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		97.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		110	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		97.9	150	200	ug/Kg
100-51-6	Benzyl Alcohol	1800		120	320	390	ug/Kg
95-48-7	2-Methylphenol	1600		140	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		120	150	200	ug/Kg
98-86-2	Acetophenone	1800		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		70.1	95.1	95.1	ug/Kg
67-72-1	Hexachloroethane	1500		87.5	150	200	ug/Kg
98-95-3	Nitrobenzene	1600		89.4	150	200	ug/Kg
78-59-1	Isophorone	1600		80.9	150	200	ug/Kg
88-75-5	2-Nitrophenol	1700		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		92.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		92.1	150	200	ug/Kg
65-85-0	Benzoic acid	1200		250	320	390	ug/Kg
91-20-3	Naphthalene	3200	E	96.7	150	200	ug/Kg
106-47-8	4-Chloroaniline	630		120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1600		99.8	150	200	ug/Kg
105-60-2	Caprolactam	1600		140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		98.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	3100		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MS	SDG No.:	BF122623
Lab Sample ID:	O5765-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BF136730.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1700		250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		91.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		100	150	200	ug/Kg
88-74-4	2-Nitroaniline	1800		120	150	200	ug/Kg
131-11-3	Dimethylphthalate	1800		110	150	200	ug/Kg
208-96-8	Acenaphthylene	3600	E	110	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		110	150	200	ug/Kg
99-09-2	3-Nitroaniline	1400		110	150	200	ug/Kg
83-32-9	Acenaphthene	3300	E	95.4	150	200	ug/Kg
Total PAH	Total PAH	52500	E	1696.7	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	620		210	320	390	ug/Kg
100-02-7	4-Nitrophenol	2900		140	320	390	ug/Kg
132-64-9	Dibenzofuran	1700		91.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		120	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		230	150	400	ug/Kg
84-66-2	Diethylphthalate	1600		100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		110	150	200	ug/Kg
86-73-7	Fluorene	3100		100	150	200	ug/Kg
100-01-6	4-Nitroaniline	1500		120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	520		100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		110	150	200	ug/Kg
103-33-3	Azobenzene	1500		87.4	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		120	150	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		120	150	200	ug/Kg
1912-24-9	Atrazine	2400		110	150	200	ug/Kg
87-86-5	Pentachlorophenol	3200	E	130	320	390	ug/Kg
85-01-8	Phenanthrene	3700	E	110	150	200	ug/Kg
120-12-7	Anthracene	3400	E	120	150	200	ug/Kg
86-74-8	Carbazole	1700		100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	1800		120	150	200	ug/Kg
206-44-0	Fluoranthene	3500	E	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MS	SDG No.:	BF122623
Lab Sample ID:	O5765-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BF136730.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	480		230	320	390	ug/Kg
129-00-0	Pyrene	2700		99.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	1600		120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	3700	E	99.7	150	200	ug/Kg
218-01-9	Chrysene	3500	E	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		150	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	4100	E	95.4	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	3300	E	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	3700	E	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2600		130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2700		110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2400		110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		110	150	200	ug/Kg
123-91-1	1,4-Dioxane	1600		140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		98.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1600		110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	42.775		18-112		29	SPK: -150
13127-88-3	Phenol-d6	69.233		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	53.652		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	51.41		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	23.127		10-110		15	SPK: -150
1718-51-0	Terphenyl-d14	35.52		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67571	6.786				
1146-65-2	Naphthalene-d8	254320	8.063				
15067-26-2	Acenaphthene-d10	117572	9.822				
1517-22-2	Phenanthrene-d10	177465	11.316				
1719-03-5	Chrysene-d12	129806	13.974				
1520-96-3	Perylene-d12	123324	15.451				



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

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MS	SDG No.:	BF122623
Lab Sample ID:	O5765-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136730.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

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

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MSD	SDG No.:	BF122623
Lab Sample ID:	O5765-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BF136731.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1900		91.8	320	390	ug/Kg
110-86-1	Pyridine	1500		86	150	200	ug/Kg
100-52-7	Benzaldehyde	830		180	320	390	ug/Kg
62-53-3	Aniline	950		140	150	200	ug/Kg
108-95-2	Phenol	1600		88.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		110	150	200	ug/Kg
95-57-8	2-Chlorophenol	1700		85.5	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		97	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		110	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		97.9	150	200	ug/Kg
100-51-6	Benzyl Alcohol	1700		120	320	390	ug/Kg
95-48-7	2-Methylphenol	1600		140	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		120	150	200	ug/Kg
98-86-2	Acetophenone	1700		100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		70.1	95	95	ug/Kg
67-72-1	Hexachloroethane	1500		87.4	150	200	ug/Kg
98-95-3	Nitrobenzene	1600		89.3	150	200	ug/Kg
78-59-1	Isophorone	1600		80.9	150	200	ug/Kg
88-75-5	2-Nitrophenol	1600		110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		92.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		92	150	200	ug/Kg
65-85-0	Benzoic acid	900		250	320	390	ug/Kg
91-20-3	Naphthalene	3100		96.7	150	200	ug/Kg
106-47-8	4-Chloroaniline	650		120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1500		99.8	150	200	ug/Kg
105-60-2	Caprolactam	1500		140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		98	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	3000		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MSD	SDG No.:	BF122623
Lab Sample ID:	O5765-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BF136731.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400		250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		91.6	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		100	150	200	ug/Kg
88-74-4	2-Nitroaniline	1800		120	150	200	ug/Kg
131-11-3	Dimethylphthalate	1800		110	150	200	ug/Kg
208-96-8	Acenaphthylene	3600	E	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		110	150	200	ug/Kg
99-09-2	3-Nitroaniline	1500		110	150	200	ug/Kg
83-32-9	Acenaphthene	3200	E	95.4	150	200	ug/Kg
Total PAH	Total PAH	52300	E	1686.5	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	J	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	2700		140	320	390	ug/Kg
132-64-9	Dibenzofuran	1700		91.3	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		230	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		120	150	200	ug/Kg
84-66-2	Diethylphthalate	1600		100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		110	150	200	ug/Kg
86-73-7	Fluorene	3100		100	150	200	ug/Kg
100-01-6	4-Nitroaniline	1500		120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	J	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		110	150	200	ug/Kg
103-33-3	Azobenzene	1600		87.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		120	150	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		120	150	200	ug/Kg
1912-24-9	Atrazine	2400		110	150	200	ug/Kg
87-86-5	Pentachlorophenol	2900		130	320	390	ug/Kg
85-01-8	Phenanthrene	3700	E	110	150	200	ug/Kg
120-12-7	Anthracene	3500	E	120	150	200	ug/Kg
86-74-8	Carbazole	1700		100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		120	150	200	ug/Kg
206-44-0	Fluoranthene	3500	E	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MSD	SDG No.:	BF122623
Lab Sample ID:	O5765-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BF136731.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	490		230	320	390	ug/Kg
129-00-0	Pyrene	2800		99.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	1600		120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	3700	E	99.6	150	200	ug/Kg
218-01-9	Chrysene	3600	E	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		150	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	4100	E	95.4	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	3300	E	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	3600	E	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2600		130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2600		110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2300		110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		110	150	200	ug/Kg
123-91-1	1,4-Dioxane	1500		140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		98.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	1500		110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	42.142		18-112		28	SPK: -150
13127-88-3	Phenol-d6	68.562		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	52.618		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	50.633		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	22.294		10-110		15	SPK: -150
1718-51-0	Terphenyl-d14	36.436		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65740	6.787				
1146-65-2	Naphthalene-d8	251649	8.063				
15067-26-2	Acenaphthene-d10	114232	9.822				
1517-22-2	Phenanthrene-d10	170592	11.316				
1719-03-5	Chrysene-d12	122742	13.974				
1520-96-3	Perylene-d12	118946	15.451				



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Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	RT-SB-03-9.5-10.5MSD	SDG No.:	BF122623
Lab Sample ID:	O5765-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BF136731.D	1	12/12/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157718

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

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-2-NORTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136732.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95.3	U	95.3	330	410	ug/Kg
110-86-1	Pyridine	89.3	U	89.3	160	210	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	410	ug/Kg
62-53-3	Aniline	140	U	140	160	210	ug/Kg
108-95-2	Phenol	91.8	U	91.8	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	88.8	U	88.8	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	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	410	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	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	72.8	U	72.8	98.7	98.7	ug/Kg
67-72-1	Hexachloroethane	90.8	U	90.8	160	210	ug/Kg
98-95-3	Nitrobenzene	92.7	U	92.7	160	210	ug/Kg
78-59-1	Isophorone	84	U	84	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	96.3	U	96.3	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	95.6	U	95.6	160	210	ug/Kg
65-85-0	Benzoic acid	260	U	260	330	410	ug/Kg
91-20-3	Naphthalene	100	U	100	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	410	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:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-2-NORTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136732.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	260	U	260	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	95.1	U	95.1	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	120	U	120	160	210	ug/Kg
Total PAH	Total PAH	1768	U	1768	160	3360	ug/Kg
83-32-9	Acenaphthene	99	U	99	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	94.8	U	94.8	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	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	100	U	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	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	160	210	ug/Kg
103-33-3	Azobenzene	90.6	U	90.6	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	410	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	210	ug/Kg
120-12-7	Anthracene	130	U	130	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	210	ug/Kg
206-44-0	Fluoranthene	120	U	120	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-2-NORTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136732.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	240	U	240	330	410	ug/Kg
129-00-0	Pyrene	100	U	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	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	110	U	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	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	99	U	99	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	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	80.561		18-112		54	SPK: -150
13127-88-3	Phenol-d6	78.637		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	54.43		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	59.11		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	55.928		10-110		37	SPK: -150
1718-51-0	Terphenyl-d14	45.764		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69087	6.781				
1146-65-2	Naphthalene-d8	261447	8.057				
15067-26-2	Acenaphthene-d10	123090	9.816				
1517-22-2	Phenanthrene-d10	193403	11.304				
1719-03-5	Chrysene-d12	133366	13.962				
1520-96-3	Perylene-d12	124417	15.439				



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Report of Analysis

Client:		Date Collected:	12/19/2023 12:00:00 AM
Project:		Date Received:	12/19/2023 12:00:00 AM
Client Sample ID:	S-2-NORTH-SIDE	SDG No.:	BF122623
Lab Sample ID:	O5933-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.1
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
BF136732.D	1	12/20/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
036237-66-8	6,10,14-Hexadecatrien-1-ol, 3,7,11	83.4	J			14.815	
000630-01-3	Hexacosane	650	J			16.974	

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	N41547	SDG No.:	BF122623
Lab Sample ID:	O5978-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136733.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	460	U	460	1600	2000	ug/Kg
110-86-1	Pyridine	430	U	430	780	1000	ug/Kg
100-52-7	Benzaldehyde	880	U	880	1600	2000	ug/Kg
62-53-3	Aniline	700	U	700	780	1000	ug/Kg
108-95-2	Phenol	440	U	440	780	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	540	U	540	780	1000	ug/Kg
95-57-8	2-Chlorophenol	430	U	430	780	1000	ug/Kg
95-50-1	1,2-Dichlorobenzene	490	U	490	780	1000	ug/Kg
541-73-1	1,3-Dichlorobenzene	530	U	530	780	1000	ug/Kg
106-46-7	1,4-Dichlorobenzene	490	U	490	780	1000	ug/Kg
100-51-6	Benzyl Alcohol	590	U	590	1600	2000	ug/Kg
95-48-7	2-Methylphenol	680	U	680	780	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	630	U	630	780	1000	ug/Kg
98-86-2	Acetophenone	520	U	520	780	1000	ug/Kg
65794-96-9	3+4-Methylphenols	650	U	650	1600	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	350	U	350	480	480	ug/Kg
67-72-1	Hexachloroethane	440	U	440	780	1000	ug/Kg
98-95-3	Nitrobenzene	450	U	450	780	1000	ug/Kg
78-59-1	Isophorone	410	U	410	780	1000	ug/Kg
88-75-5	2-Nitrophenol	570	U	570	780	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	600	U	600	780	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	670	U	670	780	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	470	U	470	780	1000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	460	U	460	780	1000	ug/Kg
65-85-0	Benzoic acid	1300	U	1300	1600	2000	ug/Kg
91-20-3	Naphthalene	490	U	490	780	1000	ug/Kg
106-47-8	4-Chloroaniline	630	U	630	780	1000	ug/Kg
87-68-3	Hexachlorobutadiene	500	U	500	780	1000	ug/Kg
105-60-2	Caprolactam	700	U	700	1600	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	490	U	490	780	1000	ug/Kg
91-57-6	2-Methylnaphthalene	570	U	570	780	1000	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	N41547	SDG No.:	BF122623
Lab Sample ID:	O5978-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136733.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1300	U	1300	1600	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	460	U	460	780	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	530	U	530	780	1000	ug/Kg
92-52-4	1,1-Biphenyl	550	U	550	780	1000	ug/Kg
91-58-7	2-Chloronaphthalene	510	U	510	780	1000	ug/Kg
88-74-4	2-Nitroaniline	590	U	590	780	1000	ug/Kg
131-11-3	Dimethylphthalate	530	U	530	780	1000	ug/Kg
208-96-8	Acenaphthylene	530	U	530	780	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	540	U	540	780	1000	ug/Kg
99-09-2	3-Nitroaniline	560	U	560	780	1000	ug/Kg
83-32-9	Acenaphthene	480	U	480	780	1000	ug/Kg
Total PAH	Total PAH	8590	U	8590	780	16000	ug/Kg
51-28-5	2,4-Dinitrophenol	1100	U	1100	1600	2000	ug/Kg
100-02-7	4-Nitrophenol	680	U	680	1600	2000	ug/Kg
132-64-9	Dibenzofuran	460	U	460	780	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	600	U	600	780	1000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	140	U	1140	780	2000	ug/Kg
84-66-2	Diethylphthalate	510	U	510	780	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	540	U	540	780	1000	ug/Kg
86-73-7	Fluorene	510	U	510	780	1000	ug/Kg
100-01-6	4-Nitroaniline	620	U	620	780	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	520	U	520	1600	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	560	U	560	780	1000	ug/Kg
103-33-3	Azobenzene	440	U	440	780	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	580	U	580	780	1000	ug/Kg
118-74-1	Hexachlorobenzene	590	U	590	780	1000	ug/Kg
1912-24-9	Atrazine	570	U	570	780	1000	ug/Kg
87-86-5	Pentachlorophenol	660	U	660	1600	2000	ug/Kg
85-01-8	Phenanthrene	550	U	550	780	1000	ug/Kg
120-12-7	Anthracene	610	U	610	780	1000	ug/Kg
86-74-8	Carbazole	510	U	510	780	1000	ug/Kg
84-74-2	Di-n-butylphthalate	620	U	620	780	1000	ug/Kg
206-44-0	Fluoranthene	560	U	560	780	1000	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	N41547	SDG No.:	BF122623
Lab Sample ID:	O5978-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.02	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
BF136733.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200	U	1200	1600	2000	ug/Kg
129-00-0	Pyrene	500	U	500	780	1000	ug/Kg
85-68-7	Butylbenzylphthalate	620	U	620	780	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	960	U	960	1600	2000	ug/Kg
56-55-3	Benzo(a)anthracene	500	U	500	780	1000	ug/Kg
218-01-9	Chrysene	520	U	520	780	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	690	U	690	780	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	740	U	740	1600	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	480	U	480	780	1000	ug/Kg
207-08-9	Benzo(k)fluoranthene	530	U	530	780	1000	ug/Kg
50-32-8	Benzo(a)pyrene	560	U	560	780	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	640	U	640	780	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	580	U	580	780	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	550	U	550	780	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	530	U	530	780	1000	ug/Kg
123-91-1	1,4-Dioxane	700	U	700	780	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	500	U	500	780	1000	ug/Kg
90-12-0	1-Methylnaphthalene	540	U	540	1000	1000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.724		18-112		60	SPK: -150
13127-88-3	Phenol-d6	86.192		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	60.396		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	67.586		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	75.453		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	44.539		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73885	6.781				
1146-65-2	Naphthalene-d8	274163	8.057				
15067-26-2	Acenaphthene-d10	123256	9.816				
1517-22-2	Phenanthrene-d10	191972	11.304				
1719-03-5	Chrysene-d12	147423	13.963				
1520-96-3	Perylene-d12	131270	15.439				

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	N41547	SDG No.:	BF122623
Lab Sample ID:	O5978-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	5.02	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
BF136733.D	1	12/22/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157996

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	3000	J			9.257	
000629-94-7	Heneicosane	2500	J			10.928	
000295-17-0	Cyclotetradecane	5200	J			11.545	
000057-10-3	n-Hexadecanoic acid	17000	J			11.857	
000142-91-6	Isopropyl palmitate	4900	J			12.092	
000629-73-2	Cetene	5600	J			12.374	
000057-11-4	Octadecanoic acid	16200	J			12.645	
	unknown13.374	1900	J			13.374	
017312-55-9	Decane, 3,8-dimethyl-	3600	J			13.398	
001560-98-1	Octacosane, 2-methyl-	2000	J			13.48	
000630-02-4	Octacosane	1800	J			13.81	
001560-92-5	Hexadecane, 2-methyl-	3100	J			14.086	
001560-89-0	Heptadecane, 2-methyl-	10500	J			14.733	
007683-64-9	Supraene	3500	J			14.821	
000593-45-3	Octadecane	3100	J			15.086	
000630-01-3	Hexacosane	2400	J			15.921	
1000406-32-2	Octacosane, 1-iodo-	2400	J			16.445	
1000406-32-4	Dotriacontane, 1-iodo-	5400	J			16.515	
	unknown17.792	2100	J			17.792	
000593-49-7	Heptacosane	5000	J			17.945	

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-03-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136734.D	1	12/1/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56	U	56	200	240	ug/Kg
110-86-1	Pyridine	52.5	U	52.5	94.3	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	200	240	ug/Kg
62-53-3	Aniline	84.8	U	84.8	94.3	120	ug/Kg
108-95-2	Phenol	53.9	U	53.9	94.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	65.1	U	65.1	94.3	120	ug/Kg
95-57-8	2-Chlorophenol	52.2	U	52.2	94.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.2	U	59.2	94.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	64.2	U	64.2	94.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.7	U	59.7	94.3	120	ug/Kg
100-51-6	Benzyl Alcohol	71.6	U	71.6	200	240	ug/Kg
95-48-7	2-Methylphenol	82.7	U	82.7	94.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.1	U	76.1	94.3	120	ug/Kg
98-86-2	Acetophenone	62.9	U	62.9	94.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	78.3	U	78.3	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.8	U	42.8	58	58	ug/Kg
67-72-1	Hexachloroethane	53.4	U	53.4	94.3	120	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	94.3	120	ug/Kg
78-59-1	Isophorone	49.4	U	49.4	94.3	120	ug/Kg
88-75-5	2-Nitrophenol	69	U	69	94.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	72.2	U	72.2	94.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	81.2	U	81.2	94.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	56.6	U	56.6	94.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.2	U	56.2	94.3	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	200	240	ug/Kg
91-20-3	Naphthalene	59	U	59	94.3	120	ug/Kg
106-47-8	4-Chloroaniline	76.1	U	76.1	94.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.9	U	60.9	94.3	120	ug/Kg
105-60-2	Caprolactam	84.8	U	84.8	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59.8	U	59.8	94.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	68.8	U	68.8	94.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-03-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136734.D	1	12/1/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.9	U	55.9	94.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.7	U	63.7	94.3	120	ug/Kg
92-52-4	1,1-Biphenyl	66.2	U	66.2	94.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.3	U	61.3	94.3	120	ug/Kg
88-74-4	2-Nitroaniline	72	U	72	94.3	120	ug/Kg
131-11-3	Dimethylphthalate	64.5	U	64.5	94.3	120	ug/Kg
208-96-8	Acenaphthylene	64.1	U	64.1	94.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	65.3	U	65.3	94.3	120	ug/Kg
99-09-2	3-Nitroaniline	67.7	U	67.7	94.3	120	ug/Kg
83-32-9	Acenaphthene	58.2	U	58.2	94.3	120	ug/Kg
Total PAH	Total PAH	1042	U	1042	94.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	200	240	ug/Kg
100-02-7	4-Nitrophenol	82.7	U	82.7	200	240	ug/Kg
132-64-9	Dibenzofuran	55.8	U	55.8	94.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	137.7	U	137.7	94.3	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.4	U	72.4	94.3	120	ug/Kg
84-66-2	Diethylphthalate	62.3	U	62.3	94.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	65.5	U	65.5	94.3	120	ug/Kg
86-73-7	Fluorene	61.5	U	61.5	94.3	120	ug/Kg
100-01-6	4-Nitroaniline	75.4	U	75.4	94.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	63.7	U	63.7	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.7	U	67.7	94.3	120	ug/Kg
103-33-3	Azobenzene	53.3	U	53.3	94.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.6	U	70.6	94.3	120	ug/Kg
118-74-1	Hexachlorobenzene	71.6	U	71.6	94.3	120	ug/Kg
1912-24-9	Atrazine	69.2	U	69.2	94.3	120	ug/Kg
87-86-5	Pentachlorophenol	80.5	U	80.5	200	240	ug/Kg
85-01-8	Phenanthrene	67.2	U	67.2	94.3	120	ug/Kg
120-12-7	Anthracene	74	U	74	94.3	120	ug/Kg
86-74-8	Carbazole	61.6	U	61.6	94.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	75.4	U	75.4	94.3	120	ug/Kg
206-44-0	Fluoranthene	68.4	U	68.4	94.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-03-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
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
BF136734.D	1	12/1/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	200	240	ug/Kg
129-00-0	Pyrene	60.7	U	60.7	94.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	74.7	U	74.7	94.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	60.8	U	60.8	94.3	120	ug/Kg
218-01-9	Chrysene	62.9	U	62.9	94.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	83.4	U	83.4	94.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	89.2	U	89.2	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.2	U	58.2	94.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.9	U	63.9	94.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.4	U	68.4	94.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.6	U	77.6	94.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70	U	70	94.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67.1	U	67.1	94.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64.8	U	64.8	94.3	120	ug/Kg
123-91-1	1,4-Dioxane	84.8	U	84.8	94.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60.1	U	60.1	94.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	65.4	U	65.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.486		18-112		58	SPK: -150
13127-88-3	Phenol-d6	83.206		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	58.635		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	65.795		20-109		66	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.332		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	45.122		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75256	6.781				
1146-65-2	Naphthalene-d8	278437	8.057				
15067-26-2	Acenaphthene-d10	123725	9.816				
1517-22-2	Phenanthrene-d10	192553	11.304				
1719-03-5	Chrysene-d12	148585	13.962				
1520-96-3	Perylene-d12	138161	15.439				



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

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-03-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
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
BF136734.D	1	12/1/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	130	J			11.839	
000544-63-8	Tetradecanoic acid	60.7	J			12.627	
	unknown13.339	50	J			13.339	
000629-99-2	Pentacosane	110	J			14.304	
000111-02-4	Squalene	80.2	J			14.821	

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	347	SDG No.:	BF122623
Lab Sample ID:	O5598-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136735.D	1	12/4/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.5	U	51.5	180	220	ug/Kg
110-86-1	Pyridine	48.3	U	48.3	86.7	110	ug/Kg
100-52-7	Benzaldehyde	98.7	U	98.7	180	220	ug/Kg
62-53-3	Aniline	78	U	78	86.7	110	ug/Kg
108-95-2	Phenol	49.6	U	49.6	86.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.9	U	59.9	86.7	110	ug/Kg
95-57-8	2-Chlorophenol	48	U	48	86.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.5	U	54.5	86.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	59	U	59	86.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.9	U	54.9	86.7	110	ug/Kg
100-51-6	Benzyl Alcohol	65.9	U	65.9	180	220	ug/Kg
95-48-7	2-Methylphenol	76	U	76	86.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70	U	70	86.7	110	ug/Kg
98-86-2	Acetophenone	57.8	U	57.8	86.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	72	U	72	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.3	U	39.3	53.3	53.3	ug/Kg
67-72-1	Hexachloroethane	49.1	U	49.1	86.7	110	ug/Kg
98-95-3	Nitrobenzene	50.1	U	50.1	86.7	110	ug/Kg
78-59-1	Isophorone	45.4	U	45.4	86.7	110	ug/Kg
88-75-5	2-Nitrophenol	63.4	U	63.4	86.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66.4	U	66.4	86.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	74.7	U	74.7	86.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	52.1	U	52.1	86.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.7	U	51.7	86.7	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54.3	U	54.3	86.7	110	ug/Kg
106-47-8	4-Chloroaniline	70	U	70	86.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	56	U	56	86.7	110	ug/Kg
105-60-2	Caprolactam	78	U	78	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55	U	55	86.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	63.3	U	63.3	86.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	347	SDG No.:	BF122623
Lab Sample ID:	O5598-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136735.D	1	12/4/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157532

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	51.4	U	51.4	86.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.6	U	58.6	86.7	110	ug/Kg
92-52-4	1,1-Biphenyl	60.9	U	60.9	86.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.4	U	56.4	86.7	110	ug/Kg
88-74-4	2-Nitroaniline	66.2	U	66.2	86.7	110	ug/Kg
131-11-3	Dimethylphthalate	59.3	U	59.3	86.7	110	ug/Kg
208-96-8	Acenaphthylene	58.9	U	58.9	86.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	60	U	60	86.7	110	ug/Kg
99-09-2	3-Nitroaniline	62.3	U	62.3	86.7	110	ug/Kg
83-32-9	Acenaphthene	53.5	U	53.5	86.7	110	ug/Kg
Total PAH	Total PAH	2395.3	U	957.9	86.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	76	U	76	180	220	ug/Kg
132-64-9	Dibenzofuran	51.3	U	51.3	86.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.6	U	66.6	86.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	26.6	U	126.6	86.7	220	ug/Kg
84-66-2	Diethylphthalate	57.3	U	57.3	86.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.3	U	60.3	86.7	110	ug/Kg
86-73-7	Fluorene	56.5	U	56.5	86.7	110	ug/Kg
100-01-6	4-Nitroaniline	69.3	U	69.3	86.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.5	U	58.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	62.2	U	62.2	86.7	110	ug/Kg
103-33-3	Azobenzene	49	U	49	86.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.9	U	64.9	86.7	110	ug/Kg
118-74-1	Hexachlorobenzene	65.9	U	65.9	86.7	110	ug/Kg
1912-24-9	Atrazine	63.6	U	63.6	86.7	110	ug/Kg
87-86-5	Pentachlorophenol	74	U	74	180	220	ug/Kg
85-01-8	Phenanthrene	330		61.8	86.7	110	ug/Kg
120-12-7	Anthracene	68	U	68	86.7	110	ug/Kg
86-74-8	Carbazole	56.6	U	56.6	86.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	69.3	U	69.3	86.7	110	ug/Kg
206-44-0	Fluoranthene	510		62.9	86.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	347	SDG No.:	BF122623
Lab Sample ID:	O5598-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136735.D	1	12/4/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157532

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	300		55.8	86.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	68.7	U	68.7	86.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	230		55.9	86.7	110	ug/Kg
218-01-9	Chrysene	230		57.9	86.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.7	U	76.7	86.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	82	U	82	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	310		53.5	86.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	99.1	J	58.7	86.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	210		62.9	86.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84	J	71.3	86.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.3	U	64.3	86.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.2	J	61.7	86.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.6	U	59.6	86.7	110	ug/Kg
123-91-1	1,4-Dioxane	78	U	78	86.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.3	U	55.3	86.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	60.1	U	60.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.482		18-112		45	SPK: -150
13127-88-3	Phenol-d6	74.63		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	55.082		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	58.981		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	43.1		10-110		29	SPK: -150
1718-51-0	Terphenyl-d14	38.702		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84935	6.781				
1146-65-2	Naphthalene-d8	302242	8.057				
15067-26-2	Acenaphthene-d10	136979	9.816				
1517-22-2	Phenanthrene-d10	209068	11.304				
1719-03-5	Chrysene-d12	166043	13.963				
1520-96-3	Perylene-d12	146150	15.445				

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	347	SDG No.:	BF122623
Lab Sample ID:	O5598-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136735.D	1	12/4/2023 12:00:00 AM	12/26/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	70.7	A			5.022	
000629-50-5	Tridecane	46	J			10.722	
002531-84-2	Phenanthrene, 2-methyl-	52.7	J			11.81	
000610-48-0	Anthracene, 1-methyl-	220	J			11.839	
000203-64-5	4H-Cyclopenta[def]phenanthrene	91.3	J			11.922	
000143-07-7	Dodecanoic acid	67.8	J			12.627	
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	63.3	J			14.598	
000593-45-3	Octadecane	310	J			15.092	
000192-97-2	Benzo[e]pyrene	170	J			15.315	
1000406-31-9	Docosane, 1-iodo-	72.2	J			15.927	

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-SOLIDS-20231213-01DL	SDG No.:	BF122623
Lab Sample ID:	O5862-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136736.D	50	12/15/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	4400	U	4400	15500	18900	ug/Kg
110-86-1	Pyridine	4200	U	4200	7500	9800	ug/Kg
100-52-7	Benzaldehyde	8500	U	8500	15500	18900	ug/Kg
62-53-3	Aniline	6700	U	6700	7500	9800	ug/Kg
108-95-2	Phenol	4300	U	4300	7500	9800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5200	U	5200	7500	9800	ug/Kg
95-57-8	2-Chlorophenol	4100	U	4100	7500	9800	ug/Kg
95-50-1	1,2-Dichlorobenzene	4700	U	4700	7500	9800	ug/Kg
541-73-1	1,3-Dichlorobenzene	5100	U	5100	7500	9800	ug/Kg
106-46-7	1,4-Dichlorobenzene	4700	U	4700	7500	9800	ug/Kg
100-51-6	Benzyl Alcohol	5700	U	5700	15500	18900	ug/Kg
95-48-7	2-Methylphenol	6500	U	6500	7500	9800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	6000	U	6000	7500	9800	ug/Kg
98-86-2	Acetophenone	5000	U	5000	7500	9800	ug/Kg
65794-96-9	3+4-Methylphenols	6200	U	6200	15500	18900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	3400	U	3400	4600	4600	ug/Kg
67-72-1	Hexachloroethane	4200	U	4200	7500	9800	ug/Kg
98-95-3	Nitrobenzene	4300	U	4300	7500	9800	ug/Kg
78-59-1	Isophorone	3900	U	3900	7500	9800	ug/Kg
88-75-5	2-Nitrophenol	5500	U	5500	7500	9800	ug/Kg
105-67-9	2,4-Dimethylphenol	5700	U	5700	7500	9800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	6400	U	6400	7500	9800	ug/Kg
120-83-2	2,4-Dichlorophenol	4500	U	4500	7500	9800	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4400	U	4400	7500	9800	ug/Kg
65-85-0	Benzoic acid	12300	U	12300	15500	18900	ug/Kg
91-20-3	Naphthalene	64100	D	4700	7500	9800	ug/Kg
106-47-8	4-Chloroaniline	6000	U	6000	7500	9800	ug/Kg
87-68-3	Hexachlorobutadiene	4800	U	4800	7500	9800	ug/Kg
105-60-2	Caprolactam	6700	U	6700	15500	18900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4700	U	4700	7500	9800	ug/Kg
91-57-6	2-Methylnaphthalene	35500	D	5400	7500	9800	ug/Kg

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-SOLIDS-20231213-01DL	SDG No.:	BF122623
Lab Sample ID:	O5862-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136736.D	50	12/15/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	12100	U	12100	15500	18900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4400	U	4400	7500	9800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	5000	U	5000	7500	9800	ug/Kg
92-52-4	1,1-Biphenyl	5200	U	5200	7500	9800	ug/Kg
91-58-7	2-Chloronaphthalene	4900	U	4900	7500	9800	ug/Kg
88-74-4	2-Nitroaniline	5700	U	5700	7500	9800	ug/Kg
131-11-3	Dimethylphthalate	5100	U	5100	7500	9800	ug/Kg
208-96-8	Acenaphthylene	8500	JD	5100	7500	9800	ug/Kg
606-20-2	2,6-Dinitrotoluene	5200	U	5200	7500	9800	ug/Kg
99-09-2	3-Nitroaniline	5400	U	5400	7500	9800	ug/Kg
83-32-9	Acenaphthene	5200	JD	4600	7500	9800	ug/Kg
Total PAH	Total PAH	164700	D	82500	7500	156800	ug/Kg
51-28-5	2,4-Dinitrophenol	10300	U	10300	15500	18900	ug/Kg
100-02-7	4-Nitrophenol	6500	U	6500	15500	18900	ug/Kg
132-64-9	Dibenzofuran	4400	U	4400	7500	9800	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	0900	U	10900	7500	19600	ug/Kg
121-14-2	2,4-Dinitrotoluene	5700	U	5700	7500	9800	ug/Kg
84-66-2	Diethylphthalate	4900	U	4900	7500	9800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	5200	U	5200	7500	9800	ug/Kg
86-73-7	Fluorene	10600	D	4900	7500	9800	ug/Kg
100-01-6	4-Nitroaniline	6000	U	6000	7500	9800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	5000	U	5000	15500	18900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	5400	U	5400	7500	9800	ug/Kg
103-33-3	Azobenzene	4200	U	4200	7500	9800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	5600	U	5600	7500	9800	ug/Kg
118-74-1	Hexachlorobenzene	5700	U	5700	7500	9800	ug/Kg
1912-24-9	Atrazine	5500	U	5500	7500	9800	ug/Kg
87-86-5	Pentachlorophenol	6400	U	6400	15500	18900	ug/Kg
85-01-8	Phenanthrene	34200	D	5300	7500	9800	ug/Kg
120-12-7	Anthracene	6700	JD	5900	7500	9800	ug/Kg
86-74-8	Carbazole	4900	U	4900	7500	9800	ug/Kg
84-74-2	Di-n-butylphthalate	6000	U	6000	7500	9800	ug/Kg
206-44-0	Fluoranthene	10300	D	5400	7500	9800	ug/Kg

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-SOLIDS-20231213-01DL	SDG No.:	BF122623
Lab Sample ID:	O5862-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136736.D	50	12/15/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	11100	U	11100	15500	18900	ug/Kg
129-00-0	Pyrene	11600	D	4800	7500	9800	ug/Kg
85-68-7	Butylbenzylphthalate	5900	U	5900	7500	9800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	9200	U	9200	15500	18900	ug/Kg
56-55-3	Benzo(a)anthracene	6900	JD	4800	7500	9800	ug/Kg
218-01-9	Chrysene	6600	JD	5000	7500	9800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	6600	U	6600	7500	9800	ug/Kg
117-84-0	Di-n-octyl phthalate	7100	U	7100	15500	18900	ug/Kg
205-99-2	Benzo(b)fluoranthene	4600	U	4600	7500	9800	ug/Kg
207-08-9	Benzo(k)fluoranthene	5100	U	5100	7500	9800	ug/Kg
50-32-8	Benzo(a)pyrene	5400	U	5400	7500	9800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	6100	U	6100	7500	9800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	5500	U	5500	7500	9800	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5300	U	5300	7500	9800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	5100	U	5100	7500	9800	ug/Kg
123-91-1	1,4-Dioxane	6700	U	6700	7500	9800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4800	U	4800	7500	9800	ug/Kg
90-12-0	1-Methylnaphthalene	26000	D	5200	9800	9800	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.5		18-112		66	SPK: -150
13127-88-3	Phenol-d6	109.7		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	96.45		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	127.9	*	20-109		128	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.05		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	92.65		14-112		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65988	6.781				
1146-65-2	Naphthalene-d8	240824	8.057				
15067-26-2	Acenaphthene-d10	106932	9.816				
1517-22-2	Phenanthrene-d10	163159	11.31				
1719-03-5	Chrysene-d12	134469	13.963				
1520-96-3	Perylene-d12	121781	15.445				



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

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-SOLIDS-20231213-01DL	SDG No.:	BF122623
Lab Sample ID:	O5862-10DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.1
Sample Wt/Vol:	30.07	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
BF136736.D	50	12/15/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157810

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RW2RE	SDG No.:	BF122623
Lab Sample ID:	O5812-01RE	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	840	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136737.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2.4	U	2.4	9.5	11.9	ug/L
110-86-1	Pyridine	2.1	U	2.1	4.8	6	ug/L
100-52-7	Benzaldehyde	3.9	U	3.9	9.5	11.9	ug/L
62-53-3	Aniline	2.9	U	2.9	4.8	6	ug/L
108-95-2	Phenol	1.8	U	1.8	4.8	6	ug/L
111-44-4	bis(2-Chloroethyl)ether	2	U	2	4.8	6	ug/L
95-57-8	2-Chlorophenol	1.6	U	1.6	4.8	6	ug/L
95-50-1	1,2-Dichlorobenzene	1.5	U	1.5	4.8	6	ug/L
541-73-1	1,3-Dichlorobenzene	2.1	U	2.1	4.8	6	ug/L
106-46-7	1,4-Dichlorobenzene	1.7	U	1.7	4.8	6	ug/L
100-51-6	Benzyl Alcohol	2.8	U	2.8	9.5	11.9	ug/L
95-48-7	2-Methylphenol	2.5	U	2.5	4.8	6	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.7	U	2.7	4.8	6	ug/L
98-86-2	Acetophenone	2.1	U	2.1	4.8	6	ug/L
65794-96-9	3+4-Methylphenols	2.6	U	2.6	9.5	11.9	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.4	U	2.4	3	3	ug/L
67-72-1	Hexachloroethane	2	U	2	4.8	6	ug/L
98-95-3	Nitrobenzene	2	U	2	4.8	6	ug/L
78-59-1	Isophorone	2	U	2	4.8	6	ug/L
88-75-5	2-Nitrophenol	2.8	U	2.8	4.8	6	ug/L
105-67-9	2,4-Dimethylphenol	3.5	U	3.5	4.8	6	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.4	U	2.4	4.8	6	ug/L
120-83-2	2,4-Dichlorophenol	2	U	2	4.8	6	ug/L
120-82-1	1,2,4-Trichlorobenzene	2	U	2	4.8	6	ug/L
65-85-0	Benzoic acid	7.9	U	7.9	9.5	11.9	ug/L
91-20-3	Naphthalene	2	U	2	4.8	6	ug/L
106-47-8	4-Chloroaniline	3	U	3	4.8	6	ug/L
87-68-3	Hexachlorobutadiene	2.3	U	2.3	4.8	6	ug/L
105-60-2	Caprolactam	4.1	U	4.1	9.5	11.9	ug/L
59-50-7	4-Chloro-3-methylphenol	2.1	U	2.1	4.8	6	ug/L
91-57-6	2-Methylnaphthalene	2.7	U	2.7	4.8	6	ug/L

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RW2RE	SDG No.:	BF122623
Lab Sample ID:	O5812-01RE	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	840	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136737.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	6.8	U	6.8	9.5	11.9	ug/L
88-06-2	2,4,6-Trichlorophenol	1.8	U	1.8	4.8	6	ug/L
95-95-4	2,4,5-Trichlorophenol	1.9	U	1.9	4.8	6	ug/L
92-52-4	1,1-Biphenyl	2.1	U	2.1	4.8	6	ug/L
91-58-7	2-Chloronaphthalene	1.9	U	1.9	4.8	6	ug/L
88-74-4	2-Nitroaniline	2.8	U	2.8	4.8	6	ug/L
131-11-3	Dimethylphthalate	2.2	U	2.2	4.8	6	ug/L
208-96-8	Acenaphthylene	2.5	U	2.5	4.8	6	ug/L
606-20-2	2,6-Dinitrotoluene	2.5	U	2.5	4.8	6	ug/L
99-09-2	3-Nitroaniline	2.8	U	2.8	4.8	6	ug/L
Total PAH	Total PAH	36.7	U	36.7	4.8	96	ug/L
83-32-9	Acenaphthene	2	U	2	4.8	6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	9.5	11.9	ug/L
100-02-7	4-Nitrophenol	3.3	U	3.3	9.5	11.9	ug/L
132-64-9	Dibenzofuran	1.9	U	1.9	4.8	6	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	6.5	U	5.5	4.8	12	ug/L
121-14-2	2,4-Dinitrotoluene	3	U	3	4.8	6	ug/L
84-66-2	Diethylphthalate	2.4	U	2.4	4.8	6	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.6	U	2.6	4.8	6	ug/L
86-73-7	Fluorene	2.4	U	2.4	4.8	6	ug/L
100-01-6	4-Nitroaniline	2.8	U	2.8	4.8	6	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	9.5	11.9	ug/L
86-30-6	n-Nitrosodiphenylamine	2.3	U	2.3	4.8	6	ug/L
103-33-3	Azobenzene	2	U	2	4.8	6	ug/L
101-55-3	4-Bromophenyl-phenylether	2.3	U	2.3	4.8	6	ug/L
118-74-1	Hexachlorobenzene	2.3	U	2.3	4.8	6	ug/L
1912-24-9	Atrazine	4.2	U	4.2	4.8	6	ug/L
87-86-5	Pentachlorophenol	3	U	3	9.5	11.9	ug/L
85-01-8	Phenanthrene	2.4	U	2.4	4.8	6	ug/L
120-12-7	Anthracene	2.7	U	2.7	4.8	6	ug/L
86-74-8	Carbazole	2	U	2	4.8	6	ug/L
84-74-2	Di-n-butylphthalate	2.9	U	2.9	4.8	6	ug/L
206-44-0	Fluoranthene	2.4	U	2.4	4.8	6	ug/L

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RW2RE	SDG No.:	BF122623
Lab Sample ID:	O5812-01RE	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	840	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136737.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	7.8	U	7.8	9.5	11.9	ug/L
129-00-0	Pyrene	2.3	U	2.3	4.8	6	ug/L
85-68-7	Butylbenzylphthalate	3.3	U	3.3	4.8	6	ug/L
91-94-1	3,3-Dichlorobenzidine	6.4	U	6.4	9.5	11.9	ug/L
56-55-3	Benzo(a)anthracene	1.7	U	1.7	4.8	6	ug/L
218-01-9	Chrysene	1.9	U	1.9	4.8	6	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.5	U	3.5	4.8	6	ug/L
117-84-0	Di-n-octyl phthalate	3.7	U	3.7	9.5	11.9	ug/L
205-99-2	Benzo(b)fluoranthene	1.8	U	1.8	4.8	6	ug/L
207-08-9	Benzo(k)fluoranthene	2.2	U	2.2	4.8	6	ug/L
50-32-8	Benzo(a)pyrene	3.2	U	3.2	4.8	6	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.5	U	2.5	4.8	6	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.4	U	2.4	4.8	6	ug/L
191-24-2	Benzo(g,h,i)perylene	2.3	U	2.3	4.8	6	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.5	U	2.5	4.8	6	ug/L
123-91-1	1,4-Dioxane	2.9	U	2.9	4.8	6	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.6	U	1.6	4.8	6	ug/L
90-12-0	1-Methylnaphthalene	2.5	U	2.5	4.8	6	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	6.467	*	10-139		4	SPK: -150
13127-88-3	Phenol-d6	4.898	*	10-134		3	SPK: -150
4165-60-0	Nitrobenzene-d5	37.84	*	49-133		38	SPK: -100
321-60-8	2-Fluorobiphenyl	42.121	*	52-132		42	SPK: -100
118-79-6	2,4,6-Tribromophenol	9.768	*	32-145		7	SPK: -150
1718-51-0	Terphenyl-d14	21.097	*	36-145		21	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71612		6.781			
1146-65-2	Naphthalene-d8	268850		8.057			
15067-26-2	Acenaphthene-d10	123110		9.816			
1517-22-2	Phenanthrene-d10	188576		11.304			
1719-03-5	Chrysene-d12	151435		13.962			
1520-96-3	Perylene-d12	129736		15.439			

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RW2RE	SDG No.:	BF122623
Lab Sample ID:	O5812-01RE	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	840	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136737.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157801

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000770-35-4	1-Phenoxypropan-2-ol	4	J			8.375	
	unknown9.916	6.6	J			9.916	
000057-10-3	n-Hexadecanoic acid	19.7	J			11.845	
000142-91-6	Isopropyl palmitate	3.2	J			12.092	
001002-84-2	Pentadecanoic acid	4.8	J			12.627	
074685-29-3	9-Eicosene, (E)-	19.7	J			13.839	
000082-05-3	7H-Benz[de]anthracen-7-one	2.5	J			14.11	
007683-64-9	Supraene	7.7	J			14.821	

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523A	SDG No.:	BF122623
Lab Sample ID:	O5446-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136738.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	47.5	U	47.5	170	200	ug/Kg
110-86-1	Pyridine	44.5	U	44.5	79.9	100	ug/Kg
100-52-7	Benzaldehyde	90.9	U	90.9	170	200	ug/Kg
62-53-3	Aniline	71.9	U	71.9	79.9	100	ug/Kg
108-95-2	Phenol	45.7	U	45.7	79.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55.2	U	55.2	79.9	100	ug/Kg
95-57-8	2-Chlorophenol	44.2	U	44.2	79.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.2	U	50.2	79.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.4	U	54.4	79.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	50.6	U	50.6	79.9	100	ug/Kg
100-51-6	Benzyl Alcohol	60.7	U	60.7	170	200	ug/Kg
95-48-7	2-Methylphenol	70	U	70	79.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	64.5	U	64.5	79.9	100	ug/Kg
98-86-2	Acetophenone	53.3	U	53.3	79.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	66.3	U	66.3	170	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	36.2	U	36.2	49.1	49.1	ug/Kg
67-72-1	Hexachloroethane	45.2	U	45.2	79.9	100	ug/Kg
98-95-3	Nitrobenzene	46.2	U	46.2	79.9	100	ug/Kg
78-59-1	Isophorone	41.8	U	41.8	79.9	100	ug/Kg
88-75-5	2-Nitrophenol	58.4	U	58.4	79.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	61.2	U	61.2	79.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	68.8	U	68.8	79.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	48	U	48	79.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	47.6	U	47.6	79.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	170	200	ug/Kg
91-20-3	Naphthalene	50	U	50	79.9	100	ug/Kg
106-47-8	4-Chloroaniline	64.5	U	64.5	79.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	51.6	U	51.6	79.9	100	ug/Kg
105-60-2	Caprolactam	71.9	U	71.9	170	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.7	U	50.7	79.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	58.3	U	58.3	79.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523A	SDG No.:	BF122623
Lab Sample ID:	O5446-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136738.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.4	U	47.4	79.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54	U	54	79.9	100	ug/Kg
92-52-4	1,1-Biphenyl	56.1	U	56.1	79.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	79.9	100	ug/Kg
88-74-4	2-Nitroaniline	61	U	61	79.9	100	ug/Kg
131-11-3	Dimethylphthalate	54.6	U	54.6	79.9	100	ug/Kg
208-96-8	Acenaphthylene	54.3	U	54.3	79.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	55.3	U	55.3	79.9	100	ug/Kg
99-09-2	3-Nitroaniline	57.4	U	57.4	79.9	100	ug/Kg
83-32-9	Acenaphthene	49.3	U	49.3	79.9	100	ug/Kg
Total PAH	Total PAH	1554.2	U	882.6	79.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	170	200	ug/Kg
100-02-7	4-Nitrophenol	70	U	70	170	200	ug/Kg
132-64-9	Dibenzofuran	47.2	U	47.2	79.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	16.7	U	116.7	79.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.4	U	61.4	79.9	100	ug/Kg
84-66-2	Diethylphthalate	52.8	U	52.8	79.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.5	U	55.5	79.9	100	ug/Kg
86-73-7	Fluorene	52.1	U	52.1	79.9	100	ug/Kg
100-01-6	4-Nitroaniline	63.9	U	63.9	79.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	53.9	U	53.9	170	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	57.3	U	57.3	79.9	100	ug/Kg
103-33-3	Azobenzene	45.1	U	45.1	79.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	59.8	U	59.8	79.9	100	ug/Kg
118-74-1	Hexachlorobenzene	60.7	U	60.7	79.9	100	ug/Kg
1912-24-9	Atrazine	58.6	U	58.6	79.9	100	ug/Kg
87-86-5	Pentachlorophenol	68.2	U	68.2	170	200	ug/Kg
85-01-8	Phenanthrene	250		56.9	79.9	100	ug/Kg
120-12-7	Anthracene	62.7	U	62.7	79.9	100	ug/Kg
86-74-8	Carbazole	52.2	U	52.2	79.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	63.9	U	63.9	79.9	100	ug/Kg
206-44-0	Fluoranthene	350		58	79.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523A	SDG No.:	BF122623
Lab Sample ID:	O5446-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
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
BF136738.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	200	ug/Kg
129-00-0	Pyrene	210		51.4	79.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	63.3	U	63.3	79.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.9	U	98.9	170	200	ug/Kg
56-55-3	Benzo(a)anthracene	150		51.5	79.9	100	ug/Kg
218-01-9	Chrysene	140		53.3	79.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.6	U	70.6	79.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	75.6	U	75.6	170	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	190		49.3	79.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.7	J	54.1	79.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	130		57.9	79.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	65.7	U	65.7	79.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.3	U	59.3	79.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	70.5	J	56.8	79.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.9	U	54.9	79.9	100	ug/Kg
123-91-1	1,4-Dioxane	71.9	U	71.9	79.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.9	U	50.9	79.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	55.4	U	55.4	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.603		18-112		60	SPK: -150
13127-88-3	Phenol-d6	85.993		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	63.201		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	70.276		20-109		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	71.833		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	47.459		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67721	6.781				
1146-65-2	Naphthalene-d8	241949	8.057				
15067-26-2	Acenaphthene-d10	106886	9.816				
1517-22-2	Phenanthrene-d10	159244	11.31				
1719-03-5	Chrysene-d12	143780	13.963				
1520-96-3	Perylene-d12	100416	15.445				

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523A	SDG No.:	BF122623
Lab Sample ID:	O5446-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136738.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
017301-28-9	Undecane, 3,6-dimethyl-	170	J			8.122	
	unknown8.351	180	J			8.351	
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	150	J			8.563	
000629-50-5	Tridecane	400	J			8.651	
000544-76-3	Hexadecane	520	J			9.216	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	280	J			9.539	
000629-62-9	Pentadecane	470	J			9.751	
000630-02-4	Octacosane	160	J			10.069	
055045-08-4	Dodecane, 2-methyl-6-propyl-	450	J			10.251	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	260	J			10.469	
000629-78-7	Heptadecane	750	J			10.727	
000593-45-3	Octadecane	440	J			11.175	
000629-93-6	Octadecane, 1-iodo-	220	J			11.204	
000629-92-5	Nonadecane	350	J			11.604	
000112-39-0	Hexadecanoic acid, methyl ester	2600	J			11.71	
000057-10-3	n-Hexadecanoic acid	910	J			11.851	
055045-10-8	Tridecane, 6-propyl-	310	J			12.016	
002566-97-4	9,12-Octadecadienoic acid, methyl	8300	J			12.416	
056554-48-4	14-Octadecenoic acid, methyl ester	5500	J			12.433	
000057-11-4	Octadecanoic acid	160	J			12.639	

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523B	SDG No.:	BF122623
Lab Sample ID:	O5446-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136739.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.2	U	50.2	180	210	ug/Kg
110-86-1	Pyridine	47	U	47	84.4	110	ug/Kg
100-52-7	Benzaldehyde	96.1	U	96.1	180	210	ug/Kg
62-53-3	Aniline	75.9	U	75.9	84.4	110	ug/Kg
108-95-2	Phenol	48.3	U	48.3	84.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	58.3	U	58.3	84.4	110	ug/Kg
95-57-8	2-Chlorophenol	46.7	U	46.7	84.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53	U	53	84.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.4	U	57.4	84.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.5	U	53.5	84.4	110	ug/Kg
100-51-6	Benzyl Alcohol	64.1	U	64.1	180	210	ug/Kg
95-48-7	2-Methylphenol	74	U	74	84.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	68.2	U	68.2	84.4	110	ug/Kg
98-86-2	Acetophenone	56.3	U	56.3	84.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	70.1	U	70.1	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.3	U	38.3	51.9	51.9	ug/Kg
67-72-1	Hexachloroethane	47.8	U	47.8	84.4	110	ug/Kg
98-95-3	Nitrobenzene	48.8	U	48.8	84.4	110	ug/Kg
78-59-1	Isophorone	44.2	U	44.2	84.4	110	ug/Kg
88-75-5	2-Nitrophenol	61.7	U	61.7	84.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	64.6	U	64.6	84.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.7	U	72.7	84.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.7	U	50.7	84.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50.3	U	50.3	84.4	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	210	ug/Kg
91-20-3	Naphthalene	480		52.8	84.4	110	ug/Kg
106-47-8	4-Chloroaniline	68.2	U	68.2	84.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.5	U	54.5	84.4	110	ug/Kg
105-60-2	Caprolactam	75.9	U	75.9	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.6	U	53.6	84.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	380		61.6	84.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523B	SDG No.:	BF122623
Lab Sample ID:	O5446-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136739.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

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	U	50	84.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	57.1	U	57.1	84.4	110	ug/Kg
92-52-4	1,1-Biphenyl	59.3	U	59.3	84.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.9	U	54.9	84.4	110	ug/Kg
88-74-4	2-Nitroaniline	64.5	U	64.5	84.4	110	ug/Kg
131-11-3	Dimethylphthalate	57.7	U	57.7	84.4	110	ug/Kg
208-96-8	Acenaphthylene	60.3	J	57.4	84.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	58.4	U	58.4	84.4	110	ug/Kg
99-09-2	3-Nitroaniline	60.6	U	60.6	84.4	110	ug/Kg
83-32-9	Acenaphthene	83.7	J	52.1	84.4	110	ug/Kg
Total PAH	Total PAH	4033.2		932.7	84.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	210	ug/Kg
100-02-7	4-Nitrophenol	74	U	74	180	210	ug/Kg
132-64-9	Dibenzofuran	49.9	U	49.9	84.4	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.8	U	64.8	84.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	23.2	U	123.2	84.4	220	ug/Kg
84-66-2	Diethylphthalate	55.8	U	55.8	84.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.7	U	58.7	84.4	110	ug/Kg
86-73-7	Fluorene	69.2	J	55	84.4	110	ug/Kg
100-01-6	4-Nitroaniline	67.5	U	67.5	84.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57	U	57	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60.6	U	60.6	84.4	110	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	84.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63.2	U	63.2	84.4	110	ug/Kg
118-74-1	Hexachlorobenzene	64.1	U	64.1	84.4	110	ug/Kg
1912-24-9	Atrazine	61.9	U	61.9	84.4	110	ug/Kg
87-86-5	Pentachlorophenol	320		72	180	210	ug/Kg
85-01-8	Phenanthrene	340		60.2	84.4	110	ug/Kg
120-12-7	Anthracene	110		66.2	84.4	110	ug/Kg
86-74-8	Carbazole	55.1	U	55.1	84.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	67.5	U	67.5	84.4	110	ug/Kg
206-44-0	Fluoranthene	570		61.3	84.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523B	SDG No.:	BF122623
Lab Sample ID:	O5446-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136739.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

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	400		54.3	84.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	66.9	U	66.9	84.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	340		54.5	84.4	110	ug/Kg
218-01-9	Chrysene	350		56.3	84.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	74.6	U	74.6	84.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	79.8	U	79.8	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	420		52.1	84.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	160		57.2	84.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	330		61.2	84.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140		69.5	84.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.6	U	62.6	84.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180		60	84.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58	U	58	84.4	110	ug/Kg
123-91-1	1,4-Dioxane	75.9	U	75.9	84.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.8	U	53.8	84.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	190		58.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.33		18-112		52	SPK: -150
13127-88-3	Phenol-d6	73.422		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	53.586		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	58.059		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	62.59		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	39.2		14-112		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63647	6.787				
1146-65-2	Naphthalene-d8	221898	8.063				
15067-26-2	Acenaphthene-d10	93512	9.816				
1517-22-2	Phenanthrene-d10	153392	11.31				
1719-03-5	Chrysene-d12	132779	13.968				
1520-96-3	Perylene-d12	93703	15.445				

Report of Analysis

Client:		Date Collected:	11/15/2023 12:00:00 AM
Project:		Date Received:	11/15/2023 12:00:00 AM
Client Sample ID:	JC-03-111523B	SDG No.:	BF122623
Lab Sample ID:	O5446-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136739.D	1	11/16/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000108-38-3	Benzene, 1,3-dimethyl-	310	J			5.64	
000103-65-1	Benzene, propyl-	1400	J			6.251	
062108-24-1	Decane, 2,6,6-trimethyl-	310	J			6.281	
000620-14-4	Benzene, 1-ethyl-3-methyl-	490	J			6.316	
000611-14-3	Benzene, 1-ethyl-2-methyl-	530	J			6.345	
000526-73-8	Benzene, 1,2,3-trimethyl-	460	J			6.84	
000496-11-7	Indane	560	J			6.963	
000141-93-5	Benzene, 1,3-diethyl-	1200	J			7.034	
000135-01-3	Benzene, 1,2-diethyl-	1200	J			7.104	
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	780	J			7.551	
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	650	J			7.798	
000629-59-4	Tetradecane	350	J			10.727	
000112-39-0	Hexadecanoic acid, methyl ester	940	J			11.71	
000057-10-3	n-Hexadecanoic acid	550	J			11.845	
002566-97-4	9,12-Octadecadienoic acid, methyl	4000	J			12.404	
056554-47-3	13-Octadecenoic acid, methyl ester	2400	J			12.427	

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-1	SDG No.:	BF122623
Lab Sample ID:	O5602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136740.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.1	U	55.1	190	240	ug/Kg
110-86-1	Pyridine	51.6	U	51.6	92.6	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	190	240	ug/Kg
62-53-3	Aniline	83.3	U	83.3	92.6	120	ug/Kg
108-95-2	Phenol	53	U	53	92.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	64	U	64	92.6	120	ug/Kg
95-57-8	2-Chlorophenol	51.3	U	51.3	92.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.2	U	58.2	92.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63	U	63	92.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.7	U	58.7	92.6	120	ug/Kg
100-51-6	Benzyl Alcohol	70.4	U	70.4	190	240	ug/Kg
95-48-7	2-Methylphenol	81.2	U	81.2	92.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	74.8	U	74.8	92.6	120	ug/Kg
98-86-2	Acetophenone	61.8	U	61.8	92.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	76.9	U	76.9	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42	U	42	57	57	ug/Kg
67-72-1	Hexachloroethane	52.4	U	52.4	92.6	120	ug/Kg
98-95-3	Nitrobenzene	53.6	U	53.6	92.6	120	ug/Kg
78-59-1	Isophorone	48.5	U	48.5	92.6	120	ug/Kg
88-75-5	2-Nitrophenol	67.7	U	67.7	92.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	70.9	U	70.9	92.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	79.8	U	79.8	92.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.6	U	55.6	92.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.2	U	55.2	92.6	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	240	ug/Kg
91-20-3	Naphthalene	58	U	58	92.6	120	ug/Kg
106-47-8	4-Chloroaniline	74.8	U	74.8	92.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.8	U	59.8	92.6	120	ug/Kg
105-60-2	Caprolactam	83.3	U	83.3	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	58.8	U	58.8	92.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	67.6	U	67.6	92.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-1	SDG No.:	BF122623
Lab Sample ID:	O5602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136740.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54.9	U	54.9	92.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.6	U	62.6	92.6	120	ug/Kg
92-52-4	1,1-Biphenyl	65	U	65	92.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.3	U	60.3	92.6	120	ug/Kg
88-74-4	2-Nitroaniline	70.7	U	70.7	92.6	120	ug/Kg
131-11-3	Dimethylphthalate	63.3	U	63.3	92.6	120	ug/Kg
208-96-8	Acenaphthylene	63	U	63	92.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	64.1	U	64.1	92.6	120	ug/Kg
99-09-2	3-Nitroaniline	66.5	U	66.5	92.6	120	ug/Kg
83-32-9	Acenaphthene	57.2	U	57.2	92.6	120	ug/Kg
Total PAH	Total PAH	1023.7	U	1023.7	92.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	240	ug/Kg
100-02-7	4-Nitrophenol	81.2	U	81.2	190	240	ug/Kg
132-64-9	Dibenzofuran	54.8	U	54.8	92.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	35.3	U	135.3	92.6	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	71.2	U	71.2	92.6	120	ug/Kg
84-66-2	Diethylphthalate	61.2	U	61.2	92.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	64.4	U	64.4	92.6	120	ug/Kg
86-73-7	Fluorene	60.4	U	60.4	92.6	120	ug/Kg
100-01-6	4-Nitroaniline	74.1	U	74.1	92.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62.5	U	62.5	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	66.5	U	66.5	92.6	120	ug/Kg
103-33-3	Azobenzene	52.4	U	52.4	92.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.4	U	69.4	92.6	120	ug/Kg
118-74-1	Hexachlorobenzene	70.4	U	70.4	92.6	120	ug/Kg
1912-24-9	Atrazine	68	U	68	92.6	120	ug/Kg
87-86-5	Pentachlorophenol	79.1	U	79.1	190	240	ug/Kg
85-01-8	Phenanthrene	66	U	66	92.6	120	ug/Kg
120-12-7	Anthracene	72.7	U	72.7	92.6	120	ug/Kg
86-74-8	Carbazole	60.5	U	60.5	92.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	74.1	U	74.1	92.6	120	ug/Kg
206-44-0	Fluoranthene	130		67.2	92.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-1	SDG No.:	BF122623
Lab Sample ID:	O5602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136740.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	240	ug/Kg
129-00-0	Pyrene	77.1	J	59.6	92.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	73.4	U	73.4	92.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	68.3	J	59.8	92.6	120	ug/Kg
218-01-9	Chrysene	67.7	J	61.8	92.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	81.9	U	81.9	92.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	87.6	U	87.6	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	57.2	92.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.8	U	62.8	92.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	77.4	J	67.2	92.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	76.2	U	76.2	92.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.7	U	68.7	92.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65.9	U	65.9	92.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.7	U	63.7	92.6	120	ug/Kg
123-91-1	1,4-Dioxane	83.3	U	83.3	92.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59	U	59	92.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	64.2	U	64.2	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.178		18-112		55	SPK: -150
13127-88-3	Phenol-d6	78.122		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	60.416		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	70.515		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.336		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	45.49		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71876	6.781				
1146-65-2	Naphthalene-d8	244801	8.057				
15067-26-2	Acenaphthene-d10	99411	9.816				
1517-22-2	Phenanthrene-d10	170387	11.31				
1719-03-5	Chrysene-d12	155579	13.963				
1520-96-3	Perylene-d12	102589	15.439				

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-1	SDG No.:	BF122623
Lab Sample ID:	O5602-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136740.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	89.7	A			5.022	
000057-10-3	n-Hexadecanoic acid	190	J			11.839	
000057-11-4	Octadecanoic acid	50.1	J			12.633	
	unknown13.374	56.5	J			13.374	
000557-61-9	Octacosanol	59.6	J			13.857	
000593-45-3	Octadecane	67.4	J			15.092	

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-4	SDG No.:	BF122623
Lab Sample ID:	O5602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136741.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.5	U	49.5	170	210	ug/Kg
110-86-1	Pyridine	46.4	U	46.4	83.3	110	ug/Kg
100-52-7	Benzaldehyde	94.8	U	94.8	170	210	ug/Kg
62-53-3	Aniline	75	U	75	83.3	110	ug/Kg
108-95-2	Phenol	47.7	U	47.7	83.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.5	U	57.5	83.3	110	ug/Kg
95-57-8	2-Chlorophenol	46.1	U	46.1	83.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.4	U	52.4	83.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.7	U	56.7	83.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.8	U	52.8	83.3	110	ug/Kg
100-51-6	Benzyl Alcohol	63.3	U	63.3	170	210	ug/Kg
95-48-7	2-Methylphenol	73	U	73	83.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.3	U	67.3	83.3	110	ug/Kg
98-86-2	Acetophenone	55.6	U	55.6	83.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	69.2	U	69.2	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.8	U	37.8	51.3	51.3	ug/Kg
67-72-1	Hexachloroethane	47.2	U	47.2	83.3	110	ug/Kg
98-95-3	Nitrobenzene	48.2	U	48.2	83.3	110	ug/Kg
78-59-1	Isophorone	43.6	U	43.6	83.3	110	ug/Kg
88-75-5	2-Nitrophenol	60.9	U	60.9	83.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63.8	U	63.8	83.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.8	U	71.8	83.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50	U	50	83.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.7	U	49.7	83.3	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	52.2	U	52.2	83.3	110	ug/Kg
106-47-8	4-Chloroaniline	67.3	U	67.3	83.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.8	U	53.8	83.3	110	ug/Kg
105-60-2	Caprolactam	75	U	75	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.9	U	52.9	83.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	60.8	U	60.8	83.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-4	SDG No.:	BF122623
Lab Sample ID:	O5602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136741.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.4	U	49.4	83.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.3	U	56.3	83.3	110	ug/Kg
92-52-4	1,1-Biphenyl	58.5	U	58.5	83.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.2	U	54.2	83.3	110	ug/Kg
88-74-4	2-Nitroaniline	63.6	U	63.6	83.3	110	ug/Kg
131-11-3	Dimethylphthalate	57	U	57	83.3	110	ug/Kg
208-96-8	Acenaphthylene	56.6	U	56.6	83.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.7	U	57.7	83.3	110	ug/Kg
99-09-2	3-Nitroaniline	59.8	U	59.8	83.3	110	ug/Kg
83-32-9	Acenaphthene	51.5	U	51.5	83.3	110	ug/Kg
Total PAH	Total PAH	1203.9	U	921	83.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	170	210	ug/Kg
100-02-7	4-Nitrophenol	73	U	73	170	210	ug/Kg
132-64-9	Dibenzofuran	49.3	U	49.3	83.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	21.7	U	121.7	83.3	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	64	U	64	83.3	110	ug/Kg
84-66-2	Diethylphthalate	55	U	55	83.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.9	U	57.9	83.3	110	ug/Kg
86-73-7	Fluorene	54.3	U	54.3	83.3	110	ug/Kg
100-01-6	4-Nitroaniline	66.6	U	66.6	83.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56.3	U	56.3	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.8	U	59.8	83.3	110	ug/Kg
103-33-3	Azobenzene	47.1	U	47.1	83.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.4	U	62.4	83.3	110	ug/Kg
118-74-1	Hexachlorobenzene	63.3	U	63.3	83.3	110	ug/Kg
1912-24-9	Atrazine	61.1	U	61.1	83.3	110	ug/Kg
87-86-5	Pentachlorophenol	71.1	U	71.1	170	210	ug/Kg
85-01-8	Phenanthrene	220		59.4	83.3	110	ug/Kg
120-12-7	Anthracene	74	J	65.4	83.3	110	ug/Kg
86-74-8	Carbazole	54.4	U	54.4	83.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	66.6	U	66.6	83.3	110	ug/Kg
206-44-0	Fluoranthene	300		60.5	83.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-4	SDG No.:	BF122623
Lab Sample ID:	O5602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136741.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

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	170		53.6	83.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	66	U	66	83.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	120		53.8	83.3	110	ug/Kg
218-01-9	Chrysene	99.9	J	55.6	83.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.7	U	73.7	83.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	78.8	U	78.8	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	120		51.5	83.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.5	U	56.5	83.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	60.4	83.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68.6	U	68.6	83.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.8	U	61.8	83.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59.3	U	59.3	83.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.3	U	57.3	83.3	110	ug/Kg
123-91-1	1,4-Dioxane	75	U	75	83.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.1	U	53.1	83.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.8	U	57.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.931		18-112		51	SPK: -150
13127-88-3	Phenol-d6	68.306		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	51.708		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	55.499		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	66.794		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	35.79		14-112		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66692	6.781				
1146-65-2	Naphthalene-d8	221573	8.057				
15067-26-2	Acenaphthene-d10	90562	9.816				
1517-22-2	Phenanthrene-d10	158881	11.31				
1719-03-5	Chrysene-d12	146091	13.963				
1520-96-3	Perylene-d12	96348	15.445				

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-4	SDG No.:	BF122623
Lab Sample ID:	O5602-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136741.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000613-12-7	Anthracene, 2-methyl-	49.3	J			11.81	
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	170	J			11.839	
000832-69-9	Phenanthrene, 1-methyl-	44.4	J			11.886	
000203-64-5	4H-Cyclopenta[def]phenanthrene	98.5	J			11.922	
000612-94-2	Naphthalene, 2-phenyl-	48.1	J			12.11	
000781-92-0	Anthracene, 1,4-dimethyl-	54.7	J			12.363	
	unknown12.404	44.9	J			12.404	
003442-78-2	Pyrene, 2-methyl-	48.5	J			13.086	
000243-17-4	11H-Benzo[b]fluorene	57	J			13.151	
001454-85-9	n-Heptadecanol-1	55.3	J			13.863	
000192-97-2	Benzo[e]pyrene	89.5	J			15.315	

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-02-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
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
BF136742.D	1	12/1/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.2	U	56.2	200	240	ug/Kg
110-86-1	Pyridine	52.6	U	52.6	94.5	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	200	240	ug/Kg
62-53-3	Aniline	85	U	85	94.5	120	ug/Kg
108-95-2	Phenol	54.1	U	54.1	94.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	65.2	U	65.2	94.5	120	ug/Kg
95-57-8	2-Chlorophenol	52.3	U	52.3	94.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.4	U	59.4	94.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	64.3	U	64.3	94.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.9	U	59.9	94.5	120	ug/Kg
100-51-6	Benzyl Alcohol	71.8	U	71.8	200	240	ug/Kg
95-48-7	2-Methylphenol	82.8	U	82.8	94.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.3	U	76.3	94.5	120	ug/Kg
98-86-2	Acetophenone	63	U	63	94.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	78.5	U	78.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.9	U	42.9	58.1	58.1	ug/Kg
67-72-1	Hexachloroethane	53.5	U	53.5	94.5	120	ug/Kg
98-95-3	Nitrobenzene	54.6	U	54.6	94.5	120	ug/Kg
78-59-1	Isophorone	49.5	U	49.5	94.5	120	ug/Kg
88-75-5	2-Nitrophenol	69.1	U	69.1	94.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	72.4	U	72.4	94.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	81.4	U	81.4	94.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	56.7	U	56.7	94.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.3	U	56.3	94.5	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	200	240	ug/Kg
91-20-3	Naphthalene	59.1	U	59.1	94.5	120	ug/Kg
106-47-8	4-Chloroaniline	76.3	U	76.3	94.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	61	U	61	94.5	120	ug/Kg
105-60-2	Caprolactam	85	U	85	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59.9	U	59.9	94.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	68.9	U	68.9	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-02-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
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
BF136742.D	1	12/1/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	56	U	56	94.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.9	U	63.9	94.5	120	ug/Kg
92-52-4	1,1-Biphenyl	66.3	U	66.3	94.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.5	U	61.5	94.5	120	ug/Kg
88-74-4	2-Nitroaniline	72.1	U	72.1	94.5	120	ug/Kg
131-11-3	Dimethylphthalate	64.6	U	64.6	94.5	120	ug/Kg
208-96-8	Acenaphthylene	64.2	U	64.2	94.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	65.4	U	65.4	94.5	120	ug/Kg
99-09-2	3-Nitroaniline	67.9	U	67.9	94.5	120	ug/Kg
83-32-9	Acenaphthene	58.3	U	58.3	94.5	120	ug/Kg
Total PAH	Total PAH	1044	U	1044	94.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	200	240	ug/Kg
100-02-7	4-Nitrophenol	82.8	U	82.8	200	240	ug/Kg
132-64-9	Dibenzofuran	55.9	U	55.9	94.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.6	U	72.6	94.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	38	U	138	94.5	240	ug/Kg
84-66-2	Diethylphthalate	62.4	U	62.4	94.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	65.7	U	65.7	94.5	120	ug/Kg
86-73-7	Fluorene	61.6	U	61.6	94.5	120	ug/Kg
100-01-6	4-Nitroaniline	75.6	U	75.6	94.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	63.8	U	63.8	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.8	U	67.8	94.5	120	ug/Kg
103-33-3	Azobenzene	53.4	U	53.4	94.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.8	U	70.8	94.5	120	ug/Kg
118-74-1	Hexachlorobenzene	71.8	U	71.8	94.5	120	ug/Kg
1912-24-9	Atrazine	69.3	U	69.3	94.5	120	ug/Kg
87-86-5	Pentachlorophenol	80.6	U	80.6	200	240	ug/Kg
85-01-8	Phenanthrene	67.4	U	67.4	94.5	120	ug/Kg
120-12-7	Anthracene	74.1	U	74.1	94.5	120	ug/Kg
86-74-8	Carbazole	61.7	U	61.7	94.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	75.6	U	75.6	94.5	120	ug/Kg
206-44-0	Fluoranthene	68.6	U	68.6	94.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-02-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
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
BF136742.D	1	12/1/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	200	240	ug/Kg
129-00-0	Pyrene	60.8	U	60.8	94.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	74.8	U	74.8	94.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	61	U	61	94.5	120	ug/Kg
218-01-9	Chrysene	63.1	U	63.1	94.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	83.6	U	83.6	94.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	89.4	U	89.4	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.3	U	58.3	94.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	64	U	64	94.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.5	U	68.5	94.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.7	U	77.7	94.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70.1	U	70.1	94.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67.2	U	67.2	94.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	65	U	65	94.5	120	ug/Kg
123-91-1	1,4-Dioxane	85	U	85	94.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60.2	U	60.2	94.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	65.5	U	65.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.896		18-112		51	SPK: -150
13127-88-3	Phenol-d6	71.004		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	52.394		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	60.105		20-109		60	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.501		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	43.158		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70912	6.781				
1146-65-2	Naphthalene-d8	247339	8.057				
15067-26-2	Acenaphthene-d10	103355	9.816				
1517-22-2	Phenanthrene-d10	180778	11.31				
1719-03-5	Chrysene-d12	147934	13.962				
1520-96-3	Perylene-d12	98335	15.445				

Report of Analysis

Client:		Date Collected:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	HR-02-112223	SDG No.:	BF122623
Lab Sample ID:	O5538-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
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
BF136742.D	1	12/1/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157498

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	75.6	J			9.257	
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	48.7	J			9.539	
055045-11-9	Tridecane, 5-propyl-	64.7	J			10.733	
1000342-70-4	1-Octadecanesulphonyl chloride	51.8	J			11.604	
000057-10-3	n-Hexadecanoic acid	160	J			11.839	
000142-91-6	Isopropyl palmitate	55.2	J			12.092	
002566-97-4	9,12-Octadecadienoic acid, methyl	240	J			12.392	
004764-72-1	15-Octadecenoic acid, methyl ester	160	J			12.416	
062376-17-4	Cyclohexane, 1,2-dimethyl-3-pentyl	65.6	J			13.857	
000111-02-4	Squalene	150	J			14.821	

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-2	SDG No.:	BF122623
Lab Sample ID:	O5602-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136743.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.1	U	51.1	180	220	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	85.9	110	ug/Kg
100-52-7	Benzaldehyde	97.8	U	97.8	180	220	ug/Kg
62-53-3	Aniline	77.4	U	77.4	85.9	110	ug/Kg
108-95-2	Phenol	49.2	U	49.2	85.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.4	U	59.4	85.9	110	ug/Kg
95-57-8	2-Chlorophenol	47.6	U	47.6	85.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54	U	54	85.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.5	U	58.5	85.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.5	U	54.5	85.9	110	ug/Kg
100-51-6	Benzyl Alcohol	65.3	U	65.3	180	220	ug/Kg
95-48-7	2-Methylphenol	75.4	U	75.4	85.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	69.4	U	69.4	85.9	110	ug/Kg
98-86-2	Acetophenone	57.3	U	57.3	85.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	71.4	U	71.4	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39	U	39	52.9	52.9	ug/Kg
67-72-1	Hexachloroethane	48.7	U	48.7	85.9	110	ug/Kg
98-95-3	Nitrobenzene	49.7	U	49.7	85.9	110	ug/Kg
78-59-1	Isophorone	45	U	45	85.9	110	ug/Kg
88-75-5	2-Nitrophenol	62.9	U	62.9	85.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.8	U	65.8	85.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	74	U	74	85.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.6	U	51.6	85.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	85.9	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.8	U	53.8	85.9	110	ug/Kg
106-47-8	4-Chloroaniline	69.4	U	69.4	85.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.5	U	55.5	85.9	110	ug/Kg
105-60-2	Caprolactam	77.4	U	77.4	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.5	U	54.5	85.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.7	U	62.7	85.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-2	SDG No.:	BF122623
Lab Sample ID:	O5602-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136743.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

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	51	U	51	85.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.1	U	58.1	85.9	110	ug/Kg
92-52-4	1,1-Biphenyl	60.4	U	60.4	85.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.9	U	55.9	85.9	110	ug/Kg
88-74-4	2-Nitroaniline	65.6	U	65.6	85.9	110	ug/Kg
131-11-3	Dimethylphthalate	58.8	U	58.8	85.9	110	ug/Kg
208-96-8	Acenaphthylene	58.4	U	58.4	85.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.5	U	59.5	85.9	110	ug/Kg
99-09-2	3-Nitroaniline	61.7	U	61.7	85.9	110	ug/Kg
83-32-9	Acenaphthene	53.1	U	53.1	85.9	110	ug/Kg
Total PAH	Total PAH	950	U	950	85.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.4	U	75.4	180	220	ug/Kg
132-64-9	Dibenzofuran	50.8	U	50.8	85.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	66	U	66	85.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	25.5	U	125.5	85.9	220	ug/Kg
84-66-2	Diethylphthalate	56.8	U	56.8	85.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.8	U	59.8	85.9	110	ug/Kg
86-73-7	Fluorene	56.1	U	56.1	85.9	110	ug/Kg
100-01-6	4-Nitroaniline	68.8	U	68.8	85.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58	U	58	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.7	U	61.7	85.9	110	ug/Kg
103-33-3	Azobenzene	48.6	U	48.6	85.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.4	U	64.4	85.9	110	ug/Kg
118-74-1	Hexachlorobenzene	65.3	U	65.3	85.9	110	ug/Kg
1912-24-9	Atrazine	63.1	U	63.1	85.9	110	ug/Kg
87-86-5	Pentachlorophenol	73.4	U	73.4	180	220	ug/Kg
85-01-8	Phenanthrene	61.3	U	61.3	85.9	110	ug/Kg
120-12-7	Anthracene	67.4	U	67.4	85.9	110	ug/Kg
86-74-8	Carbazole	56.1	U	56.1	85.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.8	U	68.8	85.9	110	ug/Kg
206-44-0	Fluoranthene	62.4	U	62.4	85.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-2	SDG No.:	BF122623
Lab Sample ID:	O5602-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136743.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

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	55.3	U	55.3	85.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	68.1	U	68.1	85.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	55.5	U	55.5	85.9	110	ug/Kg
218-01-9	Chrysene	57.4	U	57.4	85.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76	U	76	85.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	81.3	U	81.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.1	U	53.1	85.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.2	U	58.2	85.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.3	U	62.3	85.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.7	U	70.7	85.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.8	U	63.8	85.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61.2	U	61.2	85.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.1	U	59.1	85.9	110	ug/Kg
123-91-1	1,4-Dioxane	77.4	U	77.4	85.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.8	U	54.8	85.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.6	U	59.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.053		18-112		59	SPK: -150
13127-88-3	Phenol-d6	83.282		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	63.233		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	67.531		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.312		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	46.839		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69338	6.781				
1146-65-2	Naphthalene-d8	230663	8.063				
15067-26-2	Acenaphthene-d10	96063	9.816				
1517-22-2	Phenanthrene-d10	175185	11.31				
1719-03-5	Chrysene-d12	143270	13.963				
1520-96-3	Perylene-d12	94398	15.445				



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

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	SPRING-VALLEY-TP-2	SDG No.:	BF122623
Lab Sample ID:	O5602-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	
		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136743.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	78.2	A			5.022	
	unknown7.951	50.5	J			7.951	
000057-10-3	n-Hexadecanoic acid	160	J			11.845	
000107-52-8	Hexasiloxane, tetradecamethyl-	58	J			14.433	
	unknown14.816	110	J			14.816	
000556-71-8	Cyclononasiloxane, octadecamethyl-	140	J			15.251	

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-6	SDG No.:	BF122623
Lab Sample ID:	O5602-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136744.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.2	U	59.2	210	250	ug/Kg
110-86-1	Pyridine	55.4	U	55.4	99.5	130	ug/Kg
100-52-7	Benzaldehyde	110	U	110	210	250	ug/Kg
62-53-3	Aniline	89.6	U	89.6	99.5	130	ug/Kg
108-95-2	Phenol	57	U	57	99.5	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	68.8	U	68.8	99.5	130	ug/Kg
95-57-8	2-Chlorophenol	55.1	U	55.1	99.5	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	62.6	U	62.6	99.5	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	67.8	U	67.8	99.5	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	63.1	U	63.1	99.5	130	ug/Kg
100-51-6	Benzyl Alcohol	75.6	U	75.6	210	250	ug/Kg
95-48-7	2-Methylphenol	87.3	U	87.3	99.5	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	80.4	U	80.4	99.5	130	ug/Kg
98-86-2	Acetophenone	66.4	U	66.4	99.5	130	ug/Kg
65794-96-9	3+4-Methylphenols	82.7	U	82.7	210	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.2	U	45.2	61.3	61.3	ug/Kg
67-72-1	Hexachloroethane	56.4	U	56.4	99.5	130	ug/Kg
98-95-3	Nitrobenzene	57.6	U	57.6	99.5	130	ug/Kg
78-59-1	Isophorone	52.1	U	52.1	99.5	130	ug/Kg
88-75-5	2-Nitrophenol	72.8	U	72.8	99.5	130	ug/Kg
105-67-9	2,4-Dimethylphenol	76.3	U	76.3	99.5	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	99.5	130	ug/Kg
120-83-2	2,4-Dichlorophenol	59.8	U	59.8	99.5	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	59.3	U	59.3	99.5	130	ug/Kg
65-85-0	Benzoic acid	160	U	160	210	250	ug/Kg
91-20-3	Naphthalene	62.3	U	62.3	99.5	130	ug/Kg
106-47-8	4-Chloroaniline	80.4	U	80.4	99.5	130	ug/Kg
87-68-3	Hexachlorobutadiene	64.3	U	64.3	99.5	130	ug/Kg
105-60-2	Caprolactam	89.6	U	89.6	210	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	63.2	U	63.2	99.5	130	ug/Kg
91-57-6	2-Methylnaphthalene	72.7	U	72.7	99.5	130	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-6	SDG No.:	BF122623
Lab Sample ID:	O5602-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136744.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	210	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	59	U	59	99.5	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67.3	U	67.3	99.5	130	ug/Kg
92-52-4	1,1-Biphenyl	69.9	U	69.9	99.5	130	ug/Kg
91-58-7	2-Chloronaphthalene	64.8	U	64.8	99.5	130	ug/Kg
88-74-4	2-Nitroaniline	76	U	76	99.5	130	ug/Kg
131-11-3	Dimethylphthalate	68.1	U	68.1	99.5	130	ug/Kg
208-96-8	Acenaphthylene	67.7	U	67.7	99.5	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	68.9	U	68.9	99.5	130	ug/Kg
99-09-2	3-Nitroaniline	71.5	U	71.5	99.5	130	ug/Kg
83-32-9	Acenaphthene	61.5	U	61.5	99.5	130	ug/Kg
Total PAH	Total PAH	1100.4	U	1100.4	99.5	2080	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	210	250	ug/Kg
100-02-7	4-Nitrophenol	87.3	U	87.3	210	250	ug/Kg
132-64-9	Dibenzofuran	58.9	U	58.9	99.5	130	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	145.4	U	145.4	99.5	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	76.5	U	76.5	99.5	130	ug/Kg
84-66-2	Diethylphthalate	65.8	U	65.8	99.5	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	69.2	U	69.2	99.5	130	ug/Kg
86-73-7	Fluorene	64.9	U	64.9	99.5	130	ug/Kg
100-01-6	4-Nitroaniline	79.6	U	79.6	99.5	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	67.2	U	67.2	210	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	71.4	U	71.4	99.5	130	ug/Kg
103-33-3	Azobenzene	56.3	U	56.3	99.5	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	74.6	U	74.6	99.5	130	ug/Kg
118-74-1	Hexachlorobenzene	75.6	U	75.6	99.5	130	ug/Kg
1912-24-9	Atrazine	73	U	73	99.5	130	ug/Kg
87-86-5	Pentachlorophenol	85	U	85	210	250	ug/Kg
85-01-8	Phenanthrene	71	U	71	99.5	130	ug/Kg
120-12-7	Anthracene	78.1	U	78.1	99.5	130	ug/Kg
86-74-8	Carbazole	65	U	65	99.5	130	ug/Kg
84-74-2	Di-n-butylphthalate	79.6	U	79.6	99.5	130	ug/Kg
206-44-0	Fluoranthene	72.3	U	72.3	99.5	130	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-6	SDG No.:	BF122623
Lab Sample ID:	O5602-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136744.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	150	U	150	210	250	ug/Kg
129-00-0	Pyrene	64.1	U	64.1	99.5	130	ug/Kg
85-68-7	Butylbenzylphthalate	78.9	U	78.9	99.5	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	210	250	ug/Kg
56-55-3	Benzo(a)anthracene	64.2	U	64.2	99.5	130	ug/Kg
218-01-9	Chrysene	66.5	U	66.5	99.5	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	88.1	U	88.1	99.5	130	ug/Kg
117-84-0	Di-n-octyl phthalate	94.2	U	94.2	210	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	61.5	U	61.5	99.5	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	67.5	U	67.5	99.5	130	ug/Kg
50-32-8	Benzo(a)pyrene	72.2	U	72.2	99.5	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.9	U	81.9	99.5	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	73.9	U	73.9	99.5	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	70.8	U	70.8	99.5	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	68.5	U	68.5	99.5	130	ug/Kg
123-91-1	1,4-Dioxane	89.6	U	89.6	99.5	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	63.5	U	63.5	99.5	130	ug/Kg
90-12-0	1-Methylnaphthalene	69.1	U	69.1	130	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.429		18-112		51	SPK: -150
13127-88-3	Phenol-d6	69.439		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	53.314		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	58.621		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	70.183		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	43.27		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	64881	6.781				
1146-65-2	Naphthalene-d8	213594	8.057				
15067-26-2	Acenaphthene-d10	88127	9.816				
1517-22-2	Phenanthrene-d10	162893	11.31				
1719-03-5	Chrysene-d12	129228	13.963				
1520-96-3	Perylene-d12	88010	15.445				

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-6	SDG No.:	BF122623
Lab Sample ID:	O5602-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136744.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	57.2	A			5.01	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	210	J			9.257	
000057-10-3	n-Hexadecanoic acid	270	J			11.845	
000057-11-4	Octadecanoic acid	74.8	J			12.633	
	unknown13.092	350	J			13.092	
003452-07-1	1-Eicosene	280	J			13.857	
000593-45-3	Octadecane	240	J			15.092	
054125-39-2	trans-2,3-Epoxydecane	210	J			15.933	

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-5	SDG No.:	BF122623
Lab Sample ID:	O5602-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF136745.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53.9	U	53.9	190	230	ug/Kg
110-86-1	Pyridine	50.4	U	50.4	90.6	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	81.5	U	81.5	90.6	120	ug/Kg
108-95-2	Phenol	51.8	U	51.8	90.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.6	U	62.6	90.6	120	ug/Kg
95-57-8	2-Chlorophenol	50.2	U	50.2	90.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.9	U	56.9	90.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.7	U	61.7	90.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.4	U	57.4	90.6	120	ug/Kg
100-51-6	Benzyl Alcohol	68.8	U	68.8	190	230	ug/Kg
95-48-7	2-Methylphenol	79.4	U	79.4	90.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	73.2	U	73.2	90.6	120	ug/Kg
98-86-2	Acetophenone	60.4	U	60.4	90.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	75.2	U	75.2	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.1	U	41.1	55.7	55.7	ug/Kg
67-72-1	Hexachloroethane	51.3	U	51.3	90.6	120	ug/Kg
98-95-3	Nitrobenzene	52.4	U	52.4	90.6	120	ug/Kg
78-59-1	Isophorone	47.4	U	47.4	90.6	120	ug/Kg
88-75-5	2-Nitrophenol	66.3	U	66.3	90.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	69.4	U	69.4	90.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	78	U	78	90.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.4	U	54.4	90.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54	U	54	90.6	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	56.7	U	56.7	90.6	120	ug/Kg
106-47-8	4-Chloroaniline	73.2	U	73.2	90.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.5	U	58.5	90.6	120	ug/Kg
105-60-2	Caprolactam	81.5	U	81.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.5	U	57.5	90.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	66.1	U	66.1	90.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-5	SDG No.:	BF122623
Lab Sample ID:	O5602-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF136745.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53.7	U	53.7	90.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.2	U	61.2	90.6	120	ug/Kg
92-52-4	1,1-Biphenyl	63.6	U	63.6	90.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.9	U	58.9	90.6	120	ug/Kg
88-74-4	2-Nitroaniline	69.2	U	69.2	90.6	120	ug/Kg
131-11-3	Dimethylphthalate	61.9	U	61.9	90.6	120	ug/Kg
208-96-8	Acenaphthylene	61.6	U	61.6	90.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	62.7	U	62.7	90.6	120	ug/Kg
99-09-2	3-Nitroaniline	65.1	U	65.1	90.6	120	ug/Kg
83-32-9	Acenaphthene	55.9	U	55.9	90.6	120	ug/Kg
Total PAH	Total PAH	1001.2	U	1001.2	90.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.4	U	79.4	190	230	ug/Kg
132-64-9	Dibenzofuran	53.6	U	53.6	90.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	32.3	U	132.3	90.6	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	69.6	U	69.6	90.6	120	ug/Kg
84-66-2	Diethylphthalate	59.8	U	59.8	90.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63	U	63	90.6	120	ug/Kg
86-73-7	Fluorene	59.1	U	59.1	90.6	120	ug/Kg
100-01-6	4-Nitroaniline	72.5	U	72.5	90.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	61.2	U	61.2	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	65	U	65	90.6	120	ug/Kg
103-33-3	Azobenzene	51.2	U	51.2	90.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.9	U	67.9	90.6	120	ug/Kg
118-74-1	Hexachlorobenzene	68.8	U	68.8	90.6	120	ug/Kg
1912-24-9	Atrazine	66.5	U	66.5	90.6	120	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	190	230	ug/Kg
85-01-8	Phenanthrene	90	J	64.6	90.6	120	ug/Kg
120-12-7	Anthracene	71.1	U	71.1	90.6	120	ug/Kg
86-74-8	Carbazole	59.1	U	59.1	90.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	72.5	U	72.5	90.6	120	ug/Kg
206-44-0	Fluoranthene	96.8	J	65.8	90.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-5	SDG No.:	BF122623
Lab Sample ID:	O5602-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF136745.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	190	230	ug/Kg
129-00-0	Pyrene	87.2	J	58.3	90.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.8	U	71.8	90.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	58.5	U	58.5	90.6	120	ug/Kg
218-01-9	Chrysene	60.5	U	60.5	90.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	80.1	U	80.1	90.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	85.7	U	85.7	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.9	U	55.9	90.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.4	U	61.4	90.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	65.7	U	65.7	90.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	74.5	U	74.5	90.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.2	U	67.2	90.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	64.4	U	64.4	90.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62.3	U	62.3	90.6	120	ug/Kg
123-91-1	1,4-Dioxane	81.5	U	81.5	90.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.8	U	57.8	90.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.8	U	62.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.234		18-112		70	SPK: -150
13127-88-3	Phenol-d6	95.413		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	75.507		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	76.065		20-109		76	SPK: -100
118-79-6	2,4,6-Tribromophenol	104.251		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	64.112		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66880	6.786				
1146-65-2	Naphthalene-d8	214056	8.063				
15067-26-2	Acenaphthene-d10	89395	9.816				
1517-22-2	Phenanthrene-d10	178739	11.31				
1719-03-5	Chrysene-d12	128632	13.962				
1520-96-3	Perylene-d12	89001	15.445				

Report of Analysis

Client:		Date Collected:	12/1/2023 12:00:00 AM
Project:		Date Received:	12/1/2023 12:00:00 AM
Client Sample ID:	ROUTE-4-TP-5	SDG No.:	BF122623
Lab Sample ID:	O5602-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14
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
BF136745.D	1	12/4/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157532

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
062108-23-0	Decane, 2,5,6-trimethyl-	150	J			6.275	
1000309-19-0	Sulfurous acid, 2-ethylhexyl isohe	83.8	J			6.551	
017302-37-3	Decane, 2,2-dimethyl-	100	J			6.863	
031081-18-2	Nonane, 3-methyl-5-propyl-	550	J			6.904	
017312-55-9	Decane, 3,8-dimethyl-	89.6	J			7.034	
016747-26-5	Hexane, 2,2,4-trimethyl-	410	J			7.051	
062108-31-0	Heptane, 4-ethyl-2,2,6,6-tetrameth	320	J			7.122	
1000406-38-3	Decyl octyl ether	210	J			7.216	
017301-25-6	Undecane, 2,8-dimethyl-	91.7	J			7.286	
015869-87-1	Octane, 2,2-dimethyl-	83.1	J			7.504	
062237-98-3	Decane, 2,2,4-trimethyl-	120	J			7.528	
1000463-21-6	2-Nonanol, trimethylacetate	72.5	J			7.61	
1000309-19-1	Sulfurous acid, di(2-ethylhexyl) e	290	J			7.798	
062108-31-0	Heptane, 4-ethyl-2,2,6,6-tetramethyl-	200	J			7.833	
002213-23-2	Heptane, 2,4-dimethyl-	71.8	J			7.875	
075163-97-2	Octadecane, 2,6-dimethyl-	150	J			10.739	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	74.3	J			11.204	
000057-10-3	n-Hexadecanoic acid	250	J			11.845	
000057-11-4	Octadecanoic acid	66.4	J			12.633	
018435-45-5	1-Nonadecene	200	J			13.863	

Report of Analysis

Client:		Date Collected:	11/16/2023 12:00:00 AM
Project:		Date Received:	11/16/2023 12:00:00 AM
Client Sample ID:	NB-08-11162023	SDG No.:	BF122623
Lab Sample ID:	O5463-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136746.D	1	11/17/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157233

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.7	U	49.7	170	210	ug/Kg
110-86-1	Pyridine	46.5	U	46.5	83.6	110	ug/Kg
100-52-7	Benzaldehyde	95.1	U	95.1	170	210	ug/Kg
62-53-3	Aniline	75.2	U	75.2	83.6	110	ug/Kg
108-95-2	Phenol	47.8	U	47.8	83.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.7	U	57.7	83.6	110	ug/Kg
95-57-8	2-Chlorophenol	46.3	U	46.3	83.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.5	U	52.5	83.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.9	U	56.9	83.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53	U	53	83.6	110	ug/Kg
100-51-6	Benzyl Alcohol	63.5	U	63.5	170	210	ug/Kg
95-48-7	2-Methylphenol	73.3	U	73.3	83.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.5	U	67.5	83.6	110	ug/Kg
98-86-2	Acetophenone	55.7	U	55.7	83.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	69.4	U	69.4	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.9	U	37.9	51.4	51.4	ug/Kg
67-72-1	Hexachloroethane	47.3	U	47.3	83.6	110	ug/Kg
98-95-3	Nitrobenzene	48.3	U	48.3	83.6	110	ug/Kg
78-59-1	Isophorone	43.8	U	43.8	83.6	110	ug/Kg
88-75-5	2-Nitrophenol	61.1	U	61.1	83.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	64	U	64	83.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72	U	72	83.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.2	U	50.2	83.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.8	U	49.8	83.6	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	52.3	U	52.3	83.6	110	ug/Kg
106-47-8	4-Chloroaniline	67.5	U	67.5	83.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	54	U	54	83.6	110	ug/Kg
105-60-2	Caprolactam	75.2	U	75.2	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53	U	53	83.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	61	U	61	83.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/16/2023 12:00:00 AM
Project:		Date Received:	11/16/2023 12:00:00 AM
Client Sample ID:	NB-08-11162023	SDG No.:	BF122623
Lab Sample ID:	O5463-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136746.D	1	11/17/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157233

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.6	U	49.6	83.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.5	U	56.5	83.6	110	ug/Kg
92-52-4	1,1-Biphenyl	58.7	U	58.7	83.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.4	U	54.4	83.6	110	ug/Kg
88-74-4	2-Nitroaniline	63.8	U	63.8	83.6	110	ug/Kg
131-11-3	Dimethylphthalate	57.1	U	57.1	83.6	110	ug/Kg
208-96-8	Acenaphthylene	56.8	U	56.8	83.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.8	U	57.8	83.6	110	ug/Kg
99-09-2	3-Nitroaniline	60	U	60	83.6	110	ug/Kg
83-32-9	Acenaphthene	51.6	U	51.6	83.6	110	ug/Kg
Total PAH	Total PAH	1805.6	U	923.6	83.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.3	U	73.3	170	210	ug/Kg
132-64-9	Dibenzofuran	49.4	U	49.4	83.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	22	U	122	83.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.2	U	64.2	83.6	110	ug/Kg
84-66-2	Diethylphthalate	55.2	U	55.2	83.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.1	U	58.1	83.6	110	ug/Kg
86-73-7	Fluorene	54.5	U	54.5	83.6	110	ug/Kg
100-01-6	4-Nitroaniline	66.8	U	66.8	83.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56.4	U	56.4	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60	U	60	83.6	110	ug/Kg
103-33-3	Azobenzene	47.2	U	47.2	83.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	83.6	110	ug/Kg
118-74-1	Hexachlorobenzene	63.5	U	63.5	83.6	110	ug/Kg
1912-24-9	Atrazine	61.3	U	61.3	83.6	110	ug/Kg
87-86-5	Pentachlorophenol	71.3	U	71.3	170	210	ug/Kg
85-01-8	Phenanthrene	170		59.6	83.6	110	ug/Kg
120-12-7	Anthracene	65.6	U	65.6	83.6	110	ug/Kg
86-74-8	Carbazole	54.6	U	54.6	83.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	66.8	U	66.8	83.6	110	ug/Kg
206-44-0	Fluoranthene	370		60.7	83.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	11/16/2023 12:00:00 AM
Project:		Date Received:	11/16/2023 12:00:00 AM
Client Sample ID:	NB-08-11162023	SDG No.:	BF122623
Lab Sample ID:	O5463-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136746.D	1	11/17/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157233

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	260		53.8	83.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	66.2	U	66.2	83.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	160		53.9	83.6	110	ug/Kg
218-01-9	Chrysene	160		55.8	83.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.9	U	73.9	83.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	79.1	U	79.1	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	230		51.6	83.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	73	J	56.6	83.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	180		60.6	83.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	92.6	J	68.8	83.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62	U	62	83.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110		59.4	83.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.5	U	57.5	83.6	110	ug/Kg
123-91-1	1,4-Dioxane	75.2	U	75.2	83.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.3	U	53.3	83.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	58	U	58	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.529		18-112		74	SPK: -150
13127-88-3	Phenol-d6	100.822		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	74.36		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	79.52		20-109		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	103.909		10-110		69	SPK: -150
1718-51-0	Terphenyl-d14	71.582		14-112		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58510	6.781				
1146-65-2	Naphthalene-d8	192424	8.057				
15067-26-2	Acenaphthene-d10	81538	9.816				
1517-22-2	Phenanthrene-d10	159029	11.31				
1719-03-5	Chrysene-d12	109118	13.962				
1520-96-3	Perylene-d12	77526	15.445				

Report of Analysis

Client:		Date Collected:	11/16/2023 12:00:00 AM
Project:		Date Received:	11/16/2023 12:00:00 AM
Client Sample ID:	NB-08-11162023	SDG No.:	BF122623
Lab Sample ID:	O5463-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.7
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136746.D	1	11/17/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157233

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.022	
003891-98-3	Dodecane, 2,6,10-trimethyl-	48	J			9.08	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	530	J			9.257	
1000382-54-9	Carbonic acid, undecyl vinyl ester	49.3	J			9.539	
000057-10-3	n-Hexadecanoic acid	220	J			11.845	
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	75	J			11.922	
	unknown12.098	64.9	J			12.098	
013481-95-3	10-Octadecenoic acid, methyl ester	110	J			12.416	
000057-11-4	Octadecanoic acid	88.1	J			12.633	
003442-78-2	Pyrene, 2-methyl-	43.7	J			12.98	
002381-21-7	Pyrene, 1-methyl-	48.4	J			13.086	
033543-31-6	Fluoranthene, 2-methyl-	43.3	J			13.192	

Hit Summary Sheet

SW-846

SDG No.: BF122623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JC-03-111523A								
O5446-01	JC-03-111523A	Solid	14-Octadecenoic acid, methyl este *	5,500.000	J			
O5446-01	JC-03-111523A	Solid	9,12-Octadecadienoic acid, methy *	8,300.000	J			
O5446-01	JC-03-111523A	Solid	Carbonic acid, eicosyl vinyl ester *	280.000	J			
O5446-01	JC-03-111523A	Solid	Dodecane, 2-methyl-6-propyl- *	450.000	J			
O5446-01	JC-03-111523A	Solid	Heptadecane *	750.000	J			
O5446-01	JC-03-111523A	Solid	Hexadecane *	520.000	J			
O5446-01	JC-03-111523A	Solid	Hexadecanoic acid, methyl ester *	2,600.000	J			
O5446-01	JC-03-111523A	Solid	n-Hexadecanoic acid *	910.000	J			
O5446-01	JC-03-111523A	Solid	Naphthalene, 1,2,3,4-tetrahydro-6 *	150.000	J			
O5446-01	JC-03-111523A	Solid	Nonadecane *	350.000	J			
O5446-01	JC-03-111523A	Solid	Octacosane *	160.000	J			
O5446-01	JC-03-111523A	Solid	Octadecane *	440.000	J			
O5446-01	JC-03-111523A	Solid	Octadecane, 1-iodo- *	220.000	J			
O5446-01	JC-03-111523A	Solid	Octadecanoic acid *	160.000	J			
O5446-01	JC-03-111523A	Solid	Pentadecane *	470.000	J			
O5446-01	JC-03-111523A	Solid	Pentadecane, 2,6,10-trimethyl- *	260.000	J			
O5446-01	JC-03-111523A	Solid	Tridecane *	400.000	J			
O5446-01	JC-03-111523A	Solid	Tridecane, 6-propyl- *	310.000	J			
O5446-01	JC-03-111523A	Solid	Undecane, 3,6-dimethyl- *	170.000	J			
O5446-01	JC-03-111523A	Solid	unknown8.351 *	180.000	J			
Total Tics :				22,580.00				
O5446-01	JC-03-111523A	Solid	Benzo(a)anthracene	150.000		51.5	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Benzo(a)pyrene	130.000		57.9	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Benzo(b)fluoranthene	190.000		49.3	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Benzo(g,h,i)perylene	70.500	J	56.8	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Benzo(k)fluoranthene	63.700	J	54.1	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Chrysene	140.000		53.3	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Fluoranthene	350.000		58	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Phenanthrene	250.000		56.9	100	ug/Kg
O5446-01	JC-03-111523A	Solid	Pyrene	210.000		51.4	100	ug/Kg
Total Svoc :				1,554.20				
Total Concentration:				24,134.20				
Client ID : JC-03-111523B								
O5446-03	JC-03-111523B	Solid	13-Octadecenoic acid, methyl este *	2,400.000	J			
O5446-03	JC-03-111523B	Solid	9,12-Octadecadienoic acid, methy *	4,000.000	J			
O5446-03	JC-03-111523B	Solid	Benzene, 1,2,3-trimethyl- *	460.000	J			
O5446-03	JC-03-111523B	Solid	Benzene, 1,2,4,5-tetramethyl- *	780.000	J			
O5446-03	JC-03-111523B	Solid	Benzene, 1,2-diethyl- *	1,200.000	J			
O5446-03	JC-03-111523B	Solid	Benzene, 1,3-diethyl- *	1,200.000	J			

Hit Summary Sheet SW-846

SDG No.: BF122623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5446-03	JC-03-111523B	Solid	Benzene, 1,3-dimethyl-	*	310.000	J		
O5446-03	JC-03-111523B	Solid	Benzene, 1-ethyl-2-methyl-	*	530.000	J		
O5446-03	JC-03-111523B	Solid	Benzene, 1-ethyl-3-methyl-	*	490.000	J		
O5446-03	JC-03-111523B	Solid	Benzene, 2-ethenyl-1,4-dimethyl-	*	650.000	J		
O5446-03	JC-03-111523B	Solid	Benzene, propyl-	*	1,400.000	J		
O5446-03	JC-03-111523B	Solid	Decane, 2,6,6-trimethyl-	*	310.000	J		
O5446-03	JC-03-111523B	Solid	Hexadecanoic acid, methyl ester	*	940.000	J		
O5446-03	JC-03-111523B	Solid	Indane	*	560.000	J		
O5446-03	JC-03-111523B	Solid	n-Hexadecanoic acid	*	550.000	J		
O5446-03	JC-03-111523B	Solid	Tetradecane	*	350.000	J		
Total Tics :				16,130.00				
O5446-03	JC-03-111523B	Solid	1-Methylnaphthalene		190.000		58.5	110 ug/Kg
O5446-03	JC-03-111523B	Solid	2-Methylnaphthalene		380.000		61.6	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Acenaphthene		83.700	J	52.1	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Acenaphthylene		60.300	J	57.4	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Anthracene		110.000		66.2	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Benzo(a)anthracene		340.000		54.5	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Benzo(a)pyrene		330.000		61.2	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Benzo(b)fluoranthene		420.000		52.1	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Benzo(g,h,i)perylene		180.000		60	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Benzo(k)fluoranthene		160.000		57.2	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Chrysene		350.000		56.3	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Fluoranthene		570.000		61.3	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Fluorene		69.200	J	55	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Indeno(1,2,3-cd)pyrene		140.000		69.5	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Naphthalene		480.000		52.8	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Pentachlorophenol		320.000		72	210 ug/Kg
O5446-03	JC-03-111523B	Solid	Phenanthrene		340.000		60.2	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Pyrene		400.000		54.3	110 ug/Kg
O5446-03	JC-03-111523B	Solid	Total PAH		4,033.000		932.7	1760 ug/Kg
Total Svoc :				8,956.20				
Total Concentration:				25,086.20				

Client ID : NB-08-11162023

O5463-01	NB-08-11162023	Solid	10-Octadecenoic acid, methyl este	*	110.000	J		
O5463-01	NB-08-11162023	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	530.000	J		
O5463-01	NB-08-11162023	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	A		
O5463-01	NB-08-11162023	Solid	Benzaldehyde, 3,5-dichloro-2-hyd	*	75.000	J		
O5463-01	NB-08-11162023	Solid	Carbonic acid, undecyl vinyl ester	*	49.300	J		
O5463-01	NB-08-11162023	Solid	Dodecane, 2,6,10-trimethyl-	*	48.000	J		
O5463-01	NB-08-11162023	Solid	Fluoranthene, 2-methyl-	*	43.300	J		
O5463-01	NB-08-11162023	Solid	n-Hexadecanoic acid	*	220.000	J		
O5463-01	NB-08-11162023	Solid	Octadecanoic acid	*	88.100	J		

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SDG No.: BF122623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5463-01	NB-08-11162023	Solid	Pyrene, 1-methyl-	*	48.400	J		
O5463-01	NB-08-11162023	Solid	Pyrene, 2-methyl-	*	43.700	J		
O5463-01	NB-08-11162023	Solid	unknown12.098	*	64.900	J		
Total Tics :				1,490.70				
O5463-01	NB-08-11162023	Solid	Benzo(a)anthracene	160.000		53.9	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Benzo(a)pyrene	180.000		60.6	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Benzo(b)fluoranthene	230.000		51.6	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Benzo(g,h,i)perylene	110.000		59.4	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Benzo(k)fluoranthene	73.000	J	56.6	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Chrysene	160.000		55.8	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Fluoranthene	370.000		60.7	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Indeno(1,2,3-cd)pyrene	92.600	J	68.8	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Phenanthrene	170.000		59.6	110	ug/Kg
O5463-01	NB-08-11162023	Solid	Pyrene	260.000		53.8	110	ug/Kg
Total Svoc :				1,805.60				
Total Concentration:				3,296.30				

Client ID : HR-02-112223

O5538-01	HR-02-112223	Solid	1-Octadecanesulphonyl chloride	*	51.800	J		
O5538-01	HR-02-112223	Solid	15-Octadecenoic acid, methyl este	*	160.000	J		
O5538-01	HR-02-112223	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	75.600	J		
O5538-01	HR-02-112223	Solid	3-Ethyl-2,6,10-trimethylundecane	*	48.700	J		
O5538-01	HR-02-112223	Solid	9,12-Octadecadienoic acid, methy	*	240.000	J		
O5538-01	HR-02-112223	Solid	Cyclohexane, 1,2-dimethyl-3-pent	*	65.600	J		
O5538-01	HR-02-112223	Solid	Isopropyl palmitate	*	55.200	J		
O5538-01	HR-02-112223	Solid	n-Hexadecanoic acid	*	160.000	J		
O5538-01	HR-02-112223	Solid	Squalene	*	150.000	J		
O5538-01	HR-02-112223	Solid	Tridecane, 5-propyl-	*	64.700	J		
Total Tics :				1,071.60				
Total Concentration:				1,071.60				

Client ID : HR-03-112223

O5538-03	HR-03-112223	Solid	n-Hexadecanoic acid	*	130.000	J		
O5538-03	HR-03-112223	Solid	Pentacosane	*	110.000	J		
O5538-03	HR-03-112223	Solid	Squalene	*	80.200	J		
O5538-03	HR-03-112223	Solid	Tetradecanoic acid	*	60.700	J		
O5538-03	HR-03-112223	Solid	unknown13.339	*	50.000	J		
Total Tics :				430.90				
Total Concentration:				430.90				

Client ID : 347

O5598-01	347	Solid	1,3-Benzenedicarboxylic acid, bis	*	63.300	J		
O5598-01	347	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	70.700	A		
O5598-01	347	Solid	4H-Cyclopenta[def]phenanthrene	*	91.300	J		

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SDG No.: BF122623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5598-01	347	Solid	Anthracene, 1-methyl-	*	220.000	J		
O5598-01	347	Solid	Benzo[e]pyrene	*	170.000	J		
O5598-01	347	Solid	Docosane, 1-iodo-	*	72.200	J		
O5598-01	347	Solid	Dodecanoic acid	*	67.800	J		
O5598-01	347	Solid	Octadecane	*	310.000	J		
O5598-01	347	Solid	Phenanthrene, 2-methyl-	*	52.700	J		
O5598-01	347	Solid	Tridecane	*	46.000	J		
Total Tics :					1,164.00			
O5598-01	347	Solid	Benzo(a)anthracene		230.000	55.9	110	ug/Kg
O5598-01	347	Solid	Benzo(a)pyrene		210.000	62.9	110	ug/Kg
O5598-01	347	Solid	Benzo(b)fluoranthene		310.000	53.5	110	ug/Kg
O5598-01	347	Solid	Benzo(g,h,i)perylene		92.200	J 61.7	110	ug/Kg
O5598-01	347	Solid	Benzo(k)fluoranthene		99.100	J 58.7	110	ug/Kg
O5598-01	347	Solid	Chrysene		230.000	57.9	110	ug/Kg
O5598-01	347	Solid	Fluoranthene		510.000	62.9	110	ug/Kg
O5598-01	347	Solid	Indeno(1,2,3-cd)pyrene		84.000	J 71.3	110	ug/Kg
O5598-01	347	Solid	Phenanthrene		330.000	61.8	110	ug/Kg
O5598-01	347	Solid	Pyrene		300.000	55.8	110	ug/Kg
Total Svoc :					2,395.30			
Total Concentration:					3,559.30			
Client ID : SPRING-VALLEY-TP-1								
O5602-01	SPRING-VALLEY-TP-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	89.700	A		
O5602-01	SPRING-VALLEY-TP-1	Solid	n-Hexadecanoic acid	*	190.000	J		
O5602-01	SPRING-VALLEY-TP-1	Solid	Octacosanol	*	59.600	J		
O5602-01	SPRING-VALLEY-TP-1	Solid	Octadecane	*	67.400	J		
O5602-01	SPRING-VALLEY-TP-1	Solid	Octadecanoic acid	*	50.100	J		
O5602-01	SPRING-VALLEY-TP-1	Solid	unknown13.374	*	56.500	J		
Total Tics :					513.30			
O5602-01	SPRING-VALLEY-TP-1	Solid	Benzo(a)anthracene		68.300	J 59.8	120	ug/Kg
O5602-01	SPRING-VALLEY-TP-1	Solid	Benzo(a)pyrene		77.400	J 67.2	120	ug/Kg
O5602-01	SPRING-VALLEY-TP-1	Solid	Benzo(b)fluoranthene		110.000	J 57.2	120	ug/Kg
O5602-01	SPRING-VALLEY-TP-1	Solid	Chrysene		67.700	J 61.8	120	ug/Kg
O5602-01	SPRING-VALLEY-TP-1	Solid	Fluoranthene		130.000	67.2	120	ug/Kg
O5602-01	SPRING-VALLEY-TP-1	Solid	Pyrene		77.100	J 59.6	120	ug/Kg
Total Svoc :					530.50			
Total Concentration:					1,043.80			
Client ID : SPRING-VALLEY-TP-2								
O5602-03	SPRING-VALLEY-TP-2	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	78.200	A		
O5602-03	SPRING-VALLEY-TP-2	Solid	Cyclononasiloxane, octadecameth	*	140.000	J		
O5602-03	SPRING-VALLEY-TP-2	Solid	Hexasiloxane, tetradecamethyl-	*	58.000	J		
O5602-03	SPRING-VALLEY-TP-2	Solid	n-Hexadecanoic acid	*	160.000	J		

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SDG No.: BF122623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5602-03	SPRING-VALLEY-TP-2	Solid	unknown14.816	*	110.000	J		
O5602-03	SPRING-VALLEY-TP-2	Solid	unknown7.951	*	50.500	J		
Total Tics :					596.70			
Total Concentration:					596.70			
Client ID : ROUTE-4-TP-4								
O5602-07	ROUTE-4-TP-4	Solid	11H-Benzo[b]fluorene	*	57.000	J		
O5602-07	ROUTE-4-TP-4	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	170.000	J		
O5602-07	ROUTE-4-TP-4	Solid	4H-Cyclopenta[def]phenanthrene	*	98.500	J		
O5602-07	ROUTE-4-TP-4	Solid	Anthracene, 1,4-dimethyl-	*	54.700	J		
O5602-07	ROUTE-4-TP-4	Solid	Anthracene, 2-methyl-	*	49.300	J		
O5602-07	ROUTE-4-TP-4	Solid	Benzo[e]pyrene	*	89.500	J		
O5602-07	ROUTE-4-TP-4	Solid	n-Heptadecanol-1	*	55.300	J		
O5602-07	ROUTE-4-TP-4	Solid	Naphthalene, 2-phenyl-	*	48.100	J		
O5602-07	ROUTE-4-TP-4	Solid	Phenanthrene, 1-methyl-	*	44.400	J		
O5602-07	ROUTE-4-TP-4	Solid	Pyrene, 2-methyl-	*	48.500	J		
O5602-07	ROUTE-4-TP-4	Solid	unknown12.404	*	44.900	J		
Total Tics :					760.20			
O5602-07	ROUTE-4-TP-4	Solid	Anthracene		74.000	J	65.4	110 ug/Kg
O5602-07	ROUTE-4-TP-4	Solid	Benzo(a)anthracene		120.000		53.8	110 ug/Kg
O5602-07	ROUTE-4-TP-4	Solid	Benzo(a)pyrene		100.000	J	60.4	110 ug/Kg
O5602-07	ROUTE-4-TP-4	Solid	Benzo(b)fluoranthene		120.000		51.5	110 ug/Kg
O5602-07	ROUTE-4-TP-4	Solid	Chrysene		99.900	J	55.6	110 ug/Kg
O5602-07	ROUTE-4-TP-4	Solid	Fluoranthene		300.000		60.5	110 ug/Kg
O5602-07	ROUTE-4-TP-4	Solid	Phenanthrene		220.000		59.4	110 ug/Kg
O5602-07	ROUTE-4-TP-4	Solid	Pyrene		170.000		53.6	110 ug/Kg
Total Svoc :					1,203.90			
Total Concentration:					1,964.10			
Client ID : ROUTE-4-TP-5								
O5602-09	ROUTE-4-TP-5	Solid	1-Nonadecene	*	200.000	J		
O5602-09	ROUTE-4-TP-5	Solid	2-Nonanol, trimethylacetate	*	72.500	J		
O5602-09	ROUTE-4-TP-5	Solid	Decane, 2,2,4-trimethyl-	*	120.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Decane, 2,2-dimethyl-	*	100.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Decane, 2,5,6-trimethyl-	*	150.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Decane, 3,8-dimethyl-	*	89.600	J		
O5602-09	ROUTE-4-TP-5	Solid	Decyl octyl ether	*	210.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Heptane, 2,4-dimethyl-	*	71.800	J		
O5602-09	ROUTE-4-TP-5	Solid	Heptane, 4-ethyl-2,2,6,6-tetramethyl-	*	320.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Heptane, 4-ethyl-2,2,6,6-tetramethyl-	*	200.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Hexadecane, 2,6,10,14-tetramethyl-	*	74.300	J		
O5602-09	ROUTE-4-TP-5	Solid	Hexane, 2,2,4-trimethyl-	*	410.000	J		
O5602-09	ROUTE-4-TP-5	Solid	n-Hexadecanoic acid	*	250.000	J		

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SDG No.: BF122623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5602-09	ROUTE-4-TP-5	Solid	Nonane, 3-methyl-5-propyl-	*	550.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Octadecane, 2,6-dimethyl-	*	150.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Octadecanoic acid	*	66.400	J		
O5602-09	ROUTE-4-TP-5	Solid	Octane, 2,2-dimethyl-	*	83.100	J		
O5602-09	ROUTE-4-TP-5	Solid	Sulfurous acid, 2-ethylhexyl isohe	*	83.800	J		
O5602-09	ROUTE-4-TP-5	Solid	Sulfurous acid, di(2-ethylhexyl) e	*	290.000	J		
O5602-09	ROUTE-4-TP-5	Solid	Undecane, 2,8-dimethyl-	*	91.700	J		
Total Tics :				3,583.20				
O5602-09	ROUTE-4-TP-5	Solid	Fluoranthene		96.800	J	65.8	120 ug/Kg
O5602-09	ROUTE-4-TP-5	Solid	Phenanthrene		90.000	J	64.6	120 ug/Kg
O5602-09	ROUTE-4-TP-5	Solid	Pyrene		87.200	J	58.3	120 ug/Kg
Total Svoc :				274.00				
Total Concentration:				3,857.20				
Client ID : ROUTE-4-TP-6								
O5602-11	ROUTE-4-TP-6	Solid	1-Eicosene	*	280.000	J		
O5602-11	ROUTE-4-TP-6	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	210.000	J		
O5602-11	ROUTE-4-TP-6	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	57.200	A		
O5602-11	ROUTE-4-TP-6	Solid	n-Hexadecanoic acid	*	270.000	J		
O5602-11	ROUTE-4-TP-6	Solid	Octadecane	*	240.000	J		
O5602-11	ROUTE-4-TP-6	Solid	Octadecanoic acid	*	74.800	J		
O5602-11	ROUTE-4-TP-6	Solid	trans-2,3-Epoxydecane	*	210.000	J		
O5602-11	ROUTE-4-TP-6	Solid	unknown13.092	*	350.000	J		
Total Tics :				1,692.00				
Total Concentration:				1,692.00				
Client ID : RT-SB-05-10.25-11.25RE								
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Benzo(a)anthracene		190.000		92.8	190 ug/Kg
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Benzo(a)pyrene		170.000	J	100	190 ug/Kg
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Benzo(b)fluoranthene		240.000		88.8	190 ug/Kg
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Benzo(g,h,i)perylene		110.000	J	100	190 ug/Kg
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Chrysene		190.000		96	190 ug/Kg
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Fluoranthene		440.000		100	190 ug/Kg
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Phenanthrene		230.000		100	190 ug/Kg
O5796-02RE	RT-SB-05-10.25-11.25RE	Solid	Pyrene		260.000		92.5	190 ug/Kg
Total Svoc :				1,830.00				
Total Concentration:				1,830.00				
Client ID : RW2RE								
O5812-01RE	RW2RE	Water	1-Phenoxypropan-2-ol	*	4.000	J		
O5812-01RE	RW2RE	Water	7H-Benz[de]anthracen-7-one	*	2.500	J		
O5812-01RE	RW2RE	Water	9-Eicosene, (E)-	*	19.700	J		
O5812-01RE	RW2RE	Water	Isopropyl palmitate	*	3.200	J		
O5812-01RE	RW2RE	Water	n-Hexadecanoic acid	*	19.700	J		

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SDG No.: BF122623

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O5812-01RE	RW2RE	Water	Pentadecanoic acid	*	4.800	J		
O5812-01RE	RW2RE	Water	Supraene	*	7.700	J		
O5812-01RE	RW2RE	Water	unknown9.916	*	6.600	J		
			Total Tics :			68.20		
			Total Concentration:			68.20		
Client ID : WC-SOLIDS-20231213-01DL								
O5862-10DL	WC-SOLIDS-20231213-(Solid		1-Methylnaphthalene	26,000.000	D	5200	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		2-Methylnaphthalene	35,500.000	D	5400	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Acenaphthene	5,200.000	JD	4600	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Acenaphthylene	8,500.000	JD	5100	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Anthracene	6,700.000	JD	5900	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Benzo(a)anthracene	6,900.000	JD	4800	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Chrysene	6,600.000	JD	5000	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Fluoranthene	10,300.000	D	5400	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Fluorene	10,600.000	D	4900	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Naphthalene	64,100.000	D	4700	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Phenanthrene	34,200.000	D	5300	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Pyrene	11,600.000	D	4800	9800	ug/Kg
O5862-10DL	WC-SOLIDS-20231213-(Solid		Total PAH	164,700.000	D	82500	156800	ug/Kg
			Total Svoc :			390,900.00		
			Total Concentration:			390,900.00		
Client ID : GHL-SS-65a								
O5900-23	GHL-SS-65a	Solid	.delta.8(14)-Isopimaric acid	*	100.000	J		
O5900-23	GHL-SS-65a	Solid	2H-Pyrazolo[3,4-b]pyridine-5-car	*	79.600	J		
O5900-23	GHL-SS-65a	Solid	3-Eicosene, (E)-	*	400.000	J		
O5900-23	GHL-SS-65a	Solid	5-Ethyl-5-methylnonadecane	*	76.200	J		
O5900-23	GHL-SS-65a	Solid	cis-Vaccenic acid	*	200.000	J		
O5900-23	GHL-SS-65a	Solid	Dehydroabietic acid	*	1,400.000	J		
O5900-23	GHL-SS-65a	Solid	Docosanoic acid	*	120.000	J		
O5900-23	GHL-SS-65a	Solid	Eicosanoic acid	*	93.900	J		
O5900-23	GHL-SS-65a	Solid	Heptafluorobutyric acid, pentadec	*	150.000	J		
O5900-23	GHL-SS-65a	Solid	Isopimaric acid	*	79.600	J		
O5900-23	GHL-SS-65a	Solid	Methacrylic acid, 2,4,5-trichlorop	*	80.600	J		
O5900-23	GHL-SS-65a	Solid	n-Hexadecanoic acid	*	400.000	J		
O5900-23	GHL-SS-65a	Solid	Octadecanoic acid	*	190.000	J		
O5900-23	GHL-SS-65a	Solid	unknown13.133	*	100.000	J		
O5900-23	GHL-SS-65a	Solid	unknown13.157	*	100.000	J		
O5900-23	GHL-SS-65a	Solid	unknown16.068	*	180.000	J		
O5900-23	GHL-SS-65a	Solid	unknown17.592	*	370.000	J		
			Total Tics :			4,119.90		
			Total Concentration:			4,119.90		

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SDG No.: BF122623

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-303-20231218								
O5921-03	SP-303-20231218	Water	13-Tetradecenal	*	2.400	J		
O5921-03	SP-303-20231218	Water	n-Hexadecanoic acid	*	9.000	J		
O5921-03	SP-303-20231218	Water	Pentadecanoic acid	*	4.400	J		
O5921-03	SP-303-20231218	Water	Squalene	*	5.700	J		
Total Tics :						21.50		
Total Concentration:						21.50		
Client ID : S-1-SOUTH-SIDE								
O5933-01	S-1-SOUTH-SIDE	Solid	Heptasiloxane, hexadecamethyl-	*	160.000	J		
O5933-01	S-1-SOUTH-SIDE	Solid	Hexasiloxane, tetradecamethyl-	*	190.000	J		
O5933-01	S-1-SOUTH-SIDE	Solid	n-Hexadecanoic acid	*	290.000	J		
O5933-01	S-1-SOUTH-SIDE	Solid	Oleic Acid	*	87.400	J		
O5933-01	S-1-SOUTH-SIDE	Solid	Pentafluoropropionic acid, hexade	*	130.000	J		
O5933-01	S-1-SOUTH-SIDE	Solid	unknown14.433	*	84.200	J		
O5933-01	S-1-SOUTH-SIDE	Solid	unknown14.816	*	210.000	J		
O5933-01	S-1-SOUTH-SIDE	Solid	unknown16.357	*	150.000	J		
Total Tics :						1,301.60		
Total Concentration:						1,301.60		
Client ID : S-2-NORTH-SIDE								
O5933-03	S-2-NORTH-SIDE	Solid	6,10,14-Hexadecatrien-1-ol, 3,7,1	*	83.400	J		
O5933-03	S-2-NORTH-SIDE	Solid	Hexacosane	*	650.000	J		
Total Tics :						733.40		
Total Concentration:						733.40		
Client ID : N41547								
O5978-01	N41547	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	3,000.000	J		
O5978-01	N41547	Solid	Cetene	*	5,600.000	J		
O5978-01	N41547	Solid	Cyclotetradecane	*	5,200.000	J		
O5978-01	N41547	Solid	Decane, 3,8-dimethyl-	*	3,600.000	J		
O5978-01	N41547	Solid	Dotriacontane, 1-iodo-	*	5,400.000	J		
O5978-01	N41547	Solid	Heneicosane	*	2,500.000	J		
O5978-01	N41547	Solid	Heptacosane	*	5,000.000	J		
O5978-01	N41547	Solid	Heptadecane, 2-methyl-	*	10,500.000	J		
O5978-01	N41547	Solid	Hexacosane	*	2,400.000	J		
O5978-01	N41547	Solid	Hexadecane, 2-methyl-	*	3,100.000	J		
O5978-01	N41547	Solid	Isopropyl palmitate	*	4,900.000	J		
O5978-01	N41547	Solid	n-Hexadecanoic acid	*	17,000.000	J		
O5978-01	N41547	Solid	Octacosane	*	1,800.000	J		
O5978-01	N41547	Solid	Octacosane, 1-iodo-	*	2,400.000	J		
O5978-01	N41547	Solid	Octacosane, 2-methyl-	*	2,000.000	J		
O5978-01	N41547	Solid	Octadecane	*	3,100.000	J		
O5978-01	N41547	Solid	Octadecanoic acid	*	16,200.000	J		



Hit Summary Sheet
SW-846

SDG No.: BF122623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5978-01	N41547	Solid	Supraene	*	3,500.000	J		
O5978-01	N41547	Solid	unknown13.374	*	1,900.000	J		
O5978-01	N41547	Solid	unknown17.792	*	2,100.000	J		
Total Tics :					101,200.00			
Total Concentration:					101,200.00			
Client ID : E8965C-S-002								
O5993-01	E8965C-S-002	water	Naphthalene		79.000	16.9	50	ug/L
Total Svoc :					79.00			
Total Concentration:					79.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122023

SAS No.: BF122023

SDG No.: BF122023

Instrument ID: _____

Calibration Date(s): 12/20/2023

Calibration Time(s): 09:16

LAB FILE ID:		RRF2.5 = BF136641.D		RRF005 = BF136642.D		RRF010 = BF136643.D		
		RRF020 = BF136644.D		RRF040 = BF136645.D		RRF050 = BF136646.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.699	0.672	0.713	0.715	0.687	0.696	2.5
Pyridine		1.291	1.358	1.339	1.317	1.279	1.303	3.3
2-Fluorophenol		1.352	1.364	1.358	1.291	1.216	1.282	6.3
Benzaldehyde		1.123	1.062	1.041	0.933	0.850	0.945	14.3
Aniline		1.820	1.749	1.774	1.679	1.552	1.661	7.8
Phenol-d6		1.780	1.725	1.741	1.669	1.589	1.661	5.8
Phenol		1.929	1.859	1.870	1.770	1.654	1.773	6.7
bis(2-Chloroethyl)ether		1.393	1.403	1.435	1.366	1.285	1.348	5.2
2-Chlorophenol		1.495	1.451	1.498	1.418	1.326	1.403	6.2
1,2-Dichlorobenzene		1.599	1.533	1.551	1.460	1.367	1.455	7.8
1,3-Dichlorobenzene		1.617	1.583	1.608	1.544	1.456	1.530	5.1
1,4-Dichlorobenzene		1.694	1.631	1.646	1.571	1.473	1.564	6.5
Benzyl Alcohol		1.137	1.156	1.217	1.145	1.077	1.121	5.7
2-Methylphenol		1.291	1.198	1.200	1.158	1.103	1.162	6.5
2,2-oxybis(1-Chloropropane)		2.360	2.272	2.324	2.237	2.103	2.205	5.9
Acetophenone		0.548	0.505	0.528	0.510	0.466	0.501	6.1
3+4-Methylphenols		1.620	1.556	1.548	1.450	1.342	1.452	8.8
n-Nitroso-di-n-propylamine	1.012	1.090	1.051	1.056	1.001	0.939	1.007	5.7
Nitrobenzene-d5		0.406	0.388	0.406	0.404	0.370	0.391	3.9
Hexachloroethane		0.608	0.581	0.598	0.568	0.547	0.568	5.5
Nitrobenzene		0.402	0.389	0.402	0.409	0.375	0.392	3.6
Isophorone		0.735	0.712	0.732	0.728	0.679	0.711	3.1
2-Nitrophenol		0.181	0.178	0.196	0.198	0.180	0.187	4.4
2,4-Dimethylphenol		0.224	0.225	0.240	0.235	0.220	0.228	3.6
bis(2-Chloroethoxy)methane		0.451	0.433	0.441	0.450	0.411	0.432	3.6
2,4-Dichlorophenol		0.301	0.294	0.309	0.304	0.282	0.294	4.0
1,2,4-Trichlorobenzene		0.341	0.328	0.346	0.337	0.310	0.327	4.6
Benzoic acid		0.171	0.180	0.227	0.246	0.231	0.221	14.4
Naphthalene		1.191	1.111	1.138	1.126	1.033	1.099	5.6
4-Chloroaniline		0.430	0.410	0.427	0.417	0.382	0.406	5.1
Hexachlorobutadiene		0.212	0.200	0.207	0.203	0.188	0.199	4.9
Caprolactam		0.102	0.099	0.095	0.101	0.092	0.097	4.1
4-Chloro-3-methylphenol		0.345	0.332	0.347	0.340	0.315	0.331	4.3
2-Methylnaphthalene		0.776	0.735	0.740	0.720	0.657	0.707	6.8
Hexachlorocyclopentadiene			0.111	0.159	0.182	0.186	0.172	19.2
2,4,6-Trichlorophenol		0.404	0.397	0.414	0.409	0.378	0.397	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122023

SAS No.: BF122023

SDG No.: BF122023

Instrument ID: _____

Calibration Date(s): 12/20/2023

Calibration Time(s): 09:16

LAB FILE ID:		RRF2.5 = BF136641.D		RRF005 = BF136642.D		RRF010 = BF136643.D		
		RRF020 = BF136644.D		RRF040 = BF136645.D		RRF050 = BF136646.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.709	1.599	1.587	1.474	1.338	1.487	10.3
2,4,5-Trichlorophenol		0.456	0.457	0.454	0.455	0.413	0.443	4.2
1,1-Biphenyl		1.823	1.763	1.777	1.681	1.555	1.678	7.0
2-Chloronaphthalene		1.405	1.312	1.331	1.289	1.182	1.276	6.7
2-Nitroaniline		0.399	0.410	0.413	0.409	0.382	0.400	3.1
Dimethylphthalate		1.563	1.517	1.522	1.463	1.373	1.461	5.4
Acenaphthylene		2.105	2.052	2.068	1.984	1.793	1.950	7.2
2,6-Dinitrotoluene		0.344	0.334	0.352	0.339	0.314	0.332	4.9
3-Nitroaniline		0.369	0.364	0.371	0.364	0.325	0.351	6.0
Acenaphthene		1.324	1.287	1.259	1.215	1.115	1.209	7.2
2,4-Dinitrophenol			0.119	0.153	0.184	0.169	0.165	15.7
4-Nitrophenol		0.214	0.234	0.244	0.252	0.237	0.237	5.2
Dibenzofuran		2.080	1.962	1.961	1.835	1.663	1.832	9.8
2,4-Dinitrotoluene		0.451	0.459	0.466	0.446	0.394	0.430	7.8
Diethylphthalate		1.660	1.616	1.590	1.539	1.395	1.516	7.7
4-Chlorophenyl-phenylether		0.818	0.766	0.752	0.711	0.638	0.707	10.9
Fluorene		1.644	1.599	1.548	1.451	1.309	1.454	10.2
4-Nitroaniline		0.385	0.376	0.346	0.333	0.307	0.339	9.6
4,6-Dinitro-2-methylphenol		0.084	0.099	0.120	0.130	0.117	0.115	14.6
n-Nitrosodiphenylamine		0.689	0.666	0.676	0.675	0.602	0.650	5.6
Azobenzene		1.513	1.493	1.511	1.421	1.306	1.416	6.7
2,4,6-Tribromophenol		0.253	0.249	0.253	0.240	0.216	0.236	7.5
4-Bromophenyl-phenylether		0.237	0.226	0.232	0.229	0.209	0.222	5.3
Hexachlorobenzene		0.257	0.255	0.263	0.255	0.229	0.248	5.5
Atrazine		0.196	0.188	0.165	0.144	0.140	0.166	13.8
Pentachlorophenol		0.089	0.111	0.121	0.130	0.118	0.115	11.3
Phenanthrene		1.121	1.090	1.075	1.062	0.941	1.026	7.8
Anthracene		1.155	1.088	1.094	1.059	0.953	1.039	7.9
Carbazole		1.081	1.047	1.037	1.004	0.899	0.980	8.4
Di-n-butylphthalate		1.284	1.281	1.263	1.225	1.108	1.196	7.5
Fluoranthene		1.272	1.217	1.161	1.119	0.983	1.098	11.7
Benzidine		0.709	0.595	0.664	0.560	0.556	0.590	13.6
Pyrene		1.907	1.886	2.058	2.047	1.908	1.963	3.6
Terphenyl-d14		1.491	1.447	1.509	1.486	1.348	1.431	4.9
Butylbenzylphthalate		0.679	0.678	0.748	0.755	0.698	0.714	4.4
3,3-Dichlorobenzidine		0.405	0.397	0.419	0.395	0.374	0.394	4.0

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.: BF122023 SAS No.: BF122023 SDG No.: BF122023
Instrument ID: _____ Calibration Date(s): 12/20/2023
Calibration Time(s): 09:16

LAB FILE ID:		RRF2.5 = BF136641.D			RRF005 = BF136642.D		RRF010 = BF136643.D	
		RRF020 = BF136644.D			RRF040 = BF136645.D		RRF050 = BF136646.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.501	1.419	1.435	1.428	1.296	1.389	5.6
Chrysene		1.441	1.384	1.424	1.373	1.262	1.358	5.0
Bis(2-ethylhexyl)phthalate		0.849	0.869	0.929	0.946	0.891	0.899	3.8
Di-n-octyl phthalate		1.242	1.271	1.379	1.452	1.424	1.390	7.1
Benzo(b)fluoranthene		1.483	1.341	1.421	1.321	1.238	1.336	7.0
Benzo(k)fluoranthene		1.416	1.371	1.288	1.304	1.193	1.262	9.0
Benzo(a)pyrene		1.182	1.132	1.153	1.149	1.094	1.128	3.2
Indeno(1,2,3-cd)pyrene		1.323	1.312	1.428	1.517	1.483	1.444	6.4
Dibenzo(a,h)anthracene		1.091	1.092	1.185	1.264	1.205	1.185	5.8
Benzo(g,h,i)perylene		1.073	1.087	1.211	1.285	1.266	1.213	7.9
1,2,4,5-Tetrachlorobenzene		0.657	0.634	0.653	0.634	0.571	0.619	5.6
1,4-Dioxane		0.574	0.559	0.558	0.520	0.506	0.534	5.5
2,3,4,6-Tetrachlorophenol		0.338	0.344	0.375	0.356	0.327	0.341	6.0
1-Methylnaphthalene		0.764	0.716	0.739	0.701	0.641	0.694	7.2

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.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 26 2023 12:00AM

Lab File ID: BF136645.D Time Analyzed: 11:15

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	71564	6.792	278971	8.07	149666	9.83
UPPER LIMIT	143128	7.292	557942	8.569	299332	10.327
LOWER LIMIT	35782	6.292	139485.5	7.569	74833	9.327
EPA SAMPLE NO.						
01 PB157949BL	89720	6.79	345085	8.06	173310	9.82
02 PB157949BS	99443	6.79	386198	8.06	191720	9.82
03 PB157895BL	88234	6.79	343600	8.06	175318	9.82
04 PB157895BS	98829	6.79	404330	8.06	192639	9.82
05 PB157895BSD	96803	6.79	394750	8.06	189360	9.82
06 PB157810BS	97203	6.79	387736	8.06	190231	9.82
07 PB157861BS	99703	6.79	392467	8.06	193409	9.82
08 SP-303-20231218	68089	6.78	246569	8.06	117494	9.82
09 E8965C-S-002	72268	6.79	272595	8.06	125263	9.82
10 CONCRETE-PAD-5	67478	6.78	235919	8.06	106211	9.82
11 CONCRETE-PAD-2	73450	6.78	269244	8.06	120607	9.82
12 RT-SB-05-10.25-11.25RE	70410	6.78	224283	8.06	97400	9.82
13 PB157858TB	86340	6.78	332812	8.06	166937	9.82
14 ETGI-281	71792	6.78	266782	8.06	127263	9.82
15 S-1-SOUTH-SIDE	70138	6.78	264940	8.06	125768	9.82
16 GHL-SS-65a	78426	6.78	289354	8.06	136120	9.82
17 RT-SB-03-9.5-10.5MS	67571	6.79	254320	8.06	117572	9.82
18 RT-SB-03-9.5-10.5MSD	65740	6.79	251649	8.06	114232	9.82
19 S-2-NORTH-SIDE	69087	6.78	261447	8.06	123090	9.82
20 N41547	73885	6.78	274163	8.06	123256	9.82
21 HR-03-112223	75256	6.78	278437	8.06	123725	9.82
22 347	84935	6.78	302242	8.06	136979	9.82
23 WC-SOLIDS-20231213-01DL	65988	6.78	240824	8.06	106932	9.82
24 RW2RE	71612	6.78	268850	8.06	123110	9.82

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 27 2023 12:00AM

Lab File ID: BF136645.D Time Analyzed: 01:11

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	71564	6.792	278971	8.07	149666	9.83
UPPER LIMIT	143128	7.292	557942	8.569	299332	10.327
LOWER LIMIT	35782	6.292	139485.5	7.569	74833	9.327
EPA SAMPLE NO.						
25 JC-03-111523A	67721	6.78	241949	8.06	106886	9.82
26 JC-03-111523B	63647	6.79	221898	8.06	93512	9.82
27 SPRING-VALLEY-TP-1	71876	6.78	244801	8.06	99411	9.82
28 ROUTE-4-TP-4	66692	6.78	221573	8.06	90562	9.82
29 HR-02-112223	70912	6.78	247339	8.06	103355	9.82
30 SPRING-VALLEY-TP-2	69338	6.78	230663	8.06	96063	9.82
31 ROUTE-4-TP-6	64881	6.78	213594	8.06	88127	9.82
32 ROUTE-4-TP-5	66880	6.79	214056	8.06	89395	9.82
33 NB-08-11162023	58510	6.78	192424	8.06	81538	9.82

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.: BF122623 SAS No.: BF122623 SDG NO.: BF122623EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 26 2023 12:00AMLab File ID: BF136711.D Time Analyzed: 11:15Instrument 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	77604	6.787	293090	8.06	144471	9.82
UPPER LIMIT	155208	7.287	586180	8.563	288942	10.322
LOWER LIMIT	38802	6.287	146545	7.563	72235.5	9.322
EPA SAMPLE NO.						
01 PB157949BL	89720	6.79	345085	8.06	173310	9.82
02 PB157949BS	99443	6.79	386198	8.06	191720	9.82
03 PB157895BL	88234	6.79	343600	8.06	175318	9.82
04 PB157895BS	98829	6.79	404330	8.06	192639	9.82
05 PB157895BSD	96803	6.79	394750	8.06	189360	9.82
06 PB157810BS	97203	6.79	387736	8.06	190231	9.82
07 PB157861BS	99703	6.79	392467	8.06	193409	9.82
08 SP-303-20231218	68089	6.78	246569	8.06	117494	9.82
09 E8965C-S-002	72268	6.79	272595	8.06	125263	9.82
10 CONCRETE-PAD-5	67478	6.78	235919	8.06	106211	9.82
11 CONCRETE-PAD-2	73450	6.78	269244	8.06	120607	9.82
12 RT-SB-05-10.25-11.25RE	70410	6.78	224283	8.06	97400	9.82

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.: BF122623 SAS No.: BF122623 SDG NO.: BF122623EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 26 2023 12:00AMLab File ID: BF136725.D Time Analyzed: 18:52Instrument 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	78970	6.786	291514	8.06	140093	9.82
	UPPER LIMIT	157940	7.286	583028	8.563	280186	10.322
	LOWER LIMIT	39485	6.286	145757	7.563	70046.5	9.322
	EPA SAMPLE NO.						
01	PB157858TB	86340	6.78	332812	8.06	166937	9.82
02	ETGI-281	71792	6.78	266782	8.06	127263	9.82
03	S-1-SOUTH-SIDE	70138	6.78	264940	8.06	125768	9.82
04	GHL-SS-65a	78426	6.78	289354	8.06	136120	9.82
05	RT-SB-03-9.5-10.5MS	67571	6.79	254320	8.06	117572	9.82
06	RT-SB-03-9.5-10.5MSD	65740	6.79	251649	8.06	114232	9.82
07	S-2-NORTH-SIDE	69087	6.78	261447	8.06	123090	9.82
08	N41547	73885	6.78	274163	8.06	123256	9.82
09	HR-03-112223	75256	6.78	278437	8.06	123725	9.82
10	347	84935	6.78	302242	8.06	136979	9.82
11	WC-SOLIDS-20231213-01DL	65988	6.78	240824	8.06	106932	9.82
12	RW2RE	71612	6.78	268850	8.06	123110	9.82
13	JC-03-111523A	67721	6.78	241949	8.06	106886	9.82
14	JC-03-111523B	63647	6.79	221898	8.06	93512	9.82
15	SPRING-VALLEY-TP-1	71876	6.78	244801	8.06	99411	9.82
16	ROUTE-4-TP-4	66692	6.78	221573	8.06	90562	9.82
17	HR-02-112223	70912	6.78	247339	8.06	103355	9.82
18	SPRING-VALLEY-TP-2	69338	6.78	230663	8.06	96063	9.82
19	ROUTE-4-TP-6	64881	6.78	213594	8.06	88127	9.82
20	ROUTE-4-TP-5	66880	6.79	214056	8.06	89395	9.82
21	NB-08-11162023	58510	6.78	192424	8.06	81538	9.82

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 27 2023 12:00AM

Lab File ID: BF136725.D Time Analyzed: 05:18

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	78970	6.786	291514	8.06	140093	9.82
UPPER LIMIT	157940	7.286	583028	8.563	280186	10.322
LOWER LIMIT	39485	6.286	145757	7.563	70046.5	9.322
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.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 26 2023 12:00AM

Lab File ID: BF136645.D Time Analyzed: 11:15

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	284111	11.316	155152	13.968	135880	15.445
UPPER LIMIT	568222	11.816	310304	14.468	271760	15.945
LOWER LIMIT	142055.5	10.816	77576	13.468	67940	14.945
EPA SAMPLE NO.						
01 PB157949BL	334551	11.31	199291	13.96	176492	15.45
02 PB157949BS	362486	11.32	193699	13.97	169585	15.45
03 PB157895BL	326365	11.31	190565	13.96	174586	15.45
04 PB157895BS	359576	11.32	188950	13.97	153171	15.45
05 PB157895BSD	356932	11.32	186752	13.97	147504	15.45
06 PB157810BS	354277	11.32	187870	13.97	169492	15.45
07 PB157861BS	346176	11.32	182449	13.97	174185	15.45
08 SP-303-20231218	194283	11.30	142591	13.96	124346	15.44
09 E8965C-S-002	212626	11.30	147227	13.96	129335	15.44
10 CONCRETE-PAD-5	173461	11.30	143805	13.96	119954	15.44
11 CONCRETE-PAD-2	191981	11.31	153884	13.96	125994	15.44
12 RT-SB-05-10.25-11.25RE	181501	11.30	147086	13.96	100169	15.45
13 PB157858TB	320375	11.31	177426	13.96	162888	15.44
14 ETGI-281	209455	11.30	140876	13.96	132893	15.44
15 S-1-SOUTH-SIDE	207003	11.30	142356	13.96	137296	15.44
16 GHL-SS-65a	218030	11.30	154796	13.96	143364	15.44
17 RT-SB-03-9.5-10.5MS	177465	11.32	129806	13.97	123324	15.45
18 RT-SB-03-9.5-10.5MSD	170592	11.32	122742	13.97	118946	15.45
19 S-2-NORTH-SIDE	193403	11.30	133366	13.96	124417	15.44
20 N41547	191972	11.30	147423	13.96	131270	15.44
21 HR-03-112223	192553	11.30	148585	13.96	138161	15.44
22 347	209068	11.30	166043	13.96	146150	15.45

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 27 2023 12:00AM

Lab File ID: BF136645.D Time Analyzed: 00:09

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	284111	11.316	155152	13.968	135880	15.445
UPPER LIMIT	568222	11.816	310304	14.468	271760	15.945
LOWER LIMIT	142055.5	10.816	77576	13.468	67940	14.945
EPA SAMPLE NO.						
23 WC-SOLIDS-20231213-01DL	163159	11.31	134469	13.96	121781	15.45
24 RW2RE	188576	11.30	151435	13.96	129736	15.44
25 JC-03-111523A	159244	11.31	143780	13.96	100416	15.45
26 JC-03-111523B	153392	11.31	132779	13.97	93703	15.45
27 SPRING-VALLEY-TP-1	170387	11.31	155579	13.96	102589	15.44
28 ROUTE-4-TP-4	158881	11.31	146091	13.96	96348	15.45
29 HR-02-112223	180778	11.31	147934	13.96	98335	15.45
30 SPRING-VALLEY-TP-2	175185	11.31	143270	13.96	94398	15.45
31 ROUTE-4-TP-6	162893	11.31	129228	13.96	88010	15.45
32 ROUTE-4-TP-5	178739	11.31	128632	13.96	89001	15.45
33 NB-08-11162023	159029	11.31	109118	13.96	77526	15.45

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.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 26 2023 12:00AM

Lab File ID: BF136711.D Time Analyzed: 11:15

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	268447	11.316	141860	13.968	130240	15.445
UPPER LIMIT	536894	11.816	283720	14.468	260480	15.945
LOWER LIMIT	134223.5	10.816	70930	13.468	65120	14.945
EPA SAMPLE NO.						
01 PB157949BL	334551	11.31	199291	13.96	176492	15.45
02 PB157949BS	362486	11.32	193699	13.97	169585	15.45
03 PB157895BL	326365	11.31	190565	13.96	174586	15.45
04 PB157895BS	359576	11.32	188950	13.97	153171	15.45
05 PB157895BSD	356932	11.32	186752	13.97	147504	15.45
06 PB157810BS	354277	11.32	187870	13.97	169492	15.45
07 PB157861BS	346176	11.32	182449	13.97	174185	15.45
08 SP-303-20231218	194283	11.30	142591	13.96	124346	15.44
09 E8965C-S-002	212626	11.30	147227	13.96	129335	15.44
10 CONCRETE-PAD-5	173461	11.30	143805	13.96	119954	15.44
11 CONCRETE-PAD-2	191981	11.31	153884	13.96	125994	15.44
12 RT-SB-05-10.25-11.25RE	181501	11.30	147086	13.96	100169	15.45

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.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDCCC040

Date Analyzed: Dec 26 2023 12:00AM

Lab File ID: BF136725.D

Time Analyzed: 18:52

Instrument ID: BNA_F

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	243487	11.31	130286	13.968	141313	15.445
	UPPER LIMIT	486974	11.81	260572	14.468	282626	15.945
	LOWER LIMIT	121743.5	10.81	65143	13.468	70656.5	14.945
	EPA SAMPLE NO.						
01	PB157858TB	320375	11.31	177426	13.96	162888	15.44
02	ETGI-281	209455	11.30	140876	13.96	132893	15.44
03	S-1-SOUTH-SIDE	207003	11.30	142356	13.96	137296	15.44
04	GHL-SS-65a	218030	11.30	154796	13.96	143364	15.44
05	RT-SB-03-9.5-10.5MS	177465	11.32	129806	13.97	123324	15.45
06	RT-SB-03-9.5-10.5MSD	170592	11.32	122742	13.97	118946	15.45
07	S-2-NORTH-SIDE	193403	11.30	133366	13.96	124417	15.44
08	N41547	191972	11.30	147423	13.96	131270	15.44
09	HR-03-112223	192553	11.30	148585	13.96	138161	15.44
10	347	209068	11.30	166043	13.96	146150	15.45
11	WC-SOLIDS-20231213-01DL	163159	11.31	134469	13.96	121781	15.45
12	RW2RE	188576	11.30	151435	13.96	129736	15.44
13	JC-03-111523A	159244	11.31	143780	13.96	100416	15.45
14	JC-03-111523B	153392	11.31	132779	13.97	93703	15.45
15	SPRING-VALLEY-TP-1	170387	11.31	155579	13.96	102589	15.44
16	ROUTE-4-TP-4	158881	11.31	146091	13.96	96348	15.45
17	HR-02-112223	180778	11.31	147934	13.96	98335	15.45
18	SPRING-VALLEY-TP-2	175185	11.31	143270	13.96	94398	15.45
19	ROUTE-4-TP-6	162893	11.31	129228	13.96	88010	15.45
20	ROUTE-4-TP-5	178739	11.31	128632	13.96	89001	15.45
21	NB-08-11162023	159029	11.31	109118	13.96	77526	15.45

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122623 SAS No.: BF122623 SDG NO.: BF122623

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 27 2023 12:00AM

Lab File ID: BF136725.D Time Analyzed: 05:18

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	243487	11.31	130286	13.968	141313	15.445
UPPER LIMIT	486974	11.81	260572	14.468	282626	15.945
LOWER LIMIT	121743.5	10.81	65143	13.468	70656.5	14.945
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB157810BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103		
	Pyridine	1700	1000	ug/Kg	59				28	98		
	Benzaldehyde	1700	640	ug/Kg	38				10	147		
	Aniline	1700	960	ug/Kg	56				38	100		
	Phenol	1700	1300	ug/Kg	76				62	112		
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101		
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112		
	1,2-Dichlorobenzene	1700	1300	ug/Kg	76				51	102		
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99		
	1,4-Dichlorobenzene	1700	1200	ug/Kg	71				52	100		
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116		
	2-Methylphenol	1700	1300	ug/Kg	76				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100		
	Acetophenone	1700	1400	ug/Kg	82				55	104		
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111		
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95		
	Hexachloroethane	1700	1300	ug/Kg	76				72	108		
	Nitrobenzene	1700	1200	ug/Kg	71				57	101		
	Isophorone	1700	1300	ug/Kg	76				59	99		
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111		
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				67	119		
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105		
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107		
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110		
	Benzoic acid	1700	1400	ug/Kg	82				10	140		
	Naphthalene	1700	1300	ug/Kg	76				62	100		
	4-Chloroaniline	1700	830	ug/Kg	49				16	100		
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98		
	Caprolactam	1700	1400	ug/Kg	82				67	110		
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112		
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104		
	Hexachlorocyclopentadiene	3300	2600	ug/Kg	79				45	134		
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102		
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98		
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103		
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99		
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101		
	Dimethylphthalate	1700	1300	ug/Kg	76				61	99		
	Acenaphthylene	1700	1300	ug/Kg	76				63	101		
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104		
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
	Acenaphthene	1700	1300	ug/Kg	76				57	104		
	Total PAH		27200	22700	ug/Kg	83				57	104	
	2,4-Dinitrophenol		3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol		3300	2600	ug/Kg	79				48	119	
	Dibenzofuran		1700	1300	ug/Kg	76				63	99	



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

SDG No.: BF122623

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157810BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2600	ug/Kg	76				60	106		
	2,4-Dinitrotoluene	1700	1300	ug/Kg	76				60	106		
	Diethylphthalate	1700	1300	ug/Kg	76				60	101		
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98		
	Fluorene	1700	1300	ug/Kg	76				61	101		
	4-Nitroaniline	1700	1200	ug/Kg	71				64	103		
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113		
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107		
	Azobenzene	1700	1300	ug/Kg	76				54	103		
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99		
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98		
	Atrazine	1700	2000	ug/Kg	118		*		67	113		
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1400	ug/Kg	82				61	105		
	Carbazole	1700	1300	ug/Kg	76				61	99		
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104		
	Fluoranthene	1700	1300	ug/Kg	76				57	107		
	Benzidine	3300	390	ug/Kg	12				10	98		
	Pyrene	1700	1300	ug/Kg	76				59	103		
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103		
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102		
	Chrysene	1700	1300	ug/Kg	76				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111		
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108		
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101		
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112		
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101		
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108		
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130		



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

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157861BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	980	ug/Kg	58				28	98	
	Benzaldehyde	1700	620	ug/Kg	36				10	147	
	Aniline	1700	960	ug/Kg	56				38	100	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	1,2-Dichlorobenzene	1700	1300	ug/Kg	76				51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71				52	99	
	1,4-Dichlorobenzene	1700	1200	ug/Kg	71				52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1300	ug/Kg	76				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1200	ug/Kg	71		*		72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1200	ug/Kg	71				62	100	
	4-Chloroaniline	1700	840	ug/Kg	49				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1300	ug/Kg	76				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	2500	ug/Kg	76				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1300	ug/Kg	76				61	99	
	Acenaphthylene	1700	1300	ug/Kg	76				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	22600	ug/Kg	83				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2500	ug/Kg	76				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	



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

SDG No.: BF122623

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157861BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2500	ug/Kg	74				60	106		
	2,4-Dinitrotoluene	1700	1200	ug/Kg	71				60	106		
	Diethylphthalate	1700	1300	ug/Kg	76				60	101		
	4-Chlorophenyl-phenylether	1700	1200	ug/Kg	71				58	98		
	Fluorene	1700	1300	ug/Kg	76				61	101		
	4-Nitroaniline	1700	1100	ug/Kg	65				64	103		
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113		
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107		
	Azobenzene	1700	1300	ug/Kg	76				54	103		
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99		
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98		
	Atrazine	1700	2000	ug/Kg	118		*		67	113		
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1400	ug/Kg	82				61	105		
	Carbazole	1700	1300	ug/Kg	76				61	99		
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104		
	Fluoranthene	1700	1300	ug/Kg	76				57	107		
	Benzidine	3300	410	ug/Kg	12				10	98		
	Pyrene	1700	1300	ug/Kg	76				59	103		
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103		
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102		
	Chrysene	1700	1300	ug/Kg	76				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111		
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108		
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101		
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112		
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101		
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108		
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130		



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

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157895BS	n-Nitrosodimethylamine	50	40.1	ug/L	80				55	108	
	Pyridine	50	29.1	ug/L	58				29	97	
	Benzaldehyde	50	14.3	ug/L	29				15	121	
	Aniline	50	24.3	ug/L	49				10	130	
	Phenol	50	37.9	ug/L	76				66	118	
	bis(2-Chloroethyl)ether	50	41.3	ug/L	83				62	103	
	2-Chlorophenol	50	42.2	ug/L	84				70	117	
	1,2-Dichlorobenzene	50	39	ug/L	78				72	102	
	1,3-Dichlorobenzene	50	38.3	ug/L	77				71	103	
	1,4-Dichlorobenzene	50	38.6	ug/L	77				76	103	
	Benzyl Alcohol	50	42.8	ug/L	86				36	93	
	2-Methylphenol	50	38.9	ug/L	78				69	109	
	2,2-oxybis(1-Chloropropane)	50	40.3	ug/L	81				52	103	
	Acetophenone	50	39.1	ug/L	78				60	104	
	3+4-Methylphenols	50	38.3	ug/L	77				67	106	
	N-Nitroso-di-n-propylamine	50	39.1	ug/L	78				57	107	
	Hexachloroethane	50	38.6	ug/L	77				76	118	
	Nitrobenzene	50	37.6	ug/L	75				58	106	
	Isophorone	50	37.4	ug/L	75				61	102	
	2-Nitrophenol	50	40.4	ug/L	81				70	115	
	2,4-Dimethylphenol	50	48.7	ug/L	97				67	130	
	bis(2-Chloroethoxy)methane	50	37.7	ug/L	75				58	109	
	2,4-Dichlorophenol	50	37.5	ug/L	75				66	115	
	1,2,4-Trichlorobenzene	50	38.2	ug/L	76				41	115	
	Benzoic acid	50	39.7	ug/L	79				10	125	
	Naphthalene	50	37.4	ug/L	75				64	107	
	4-Chloroaniline	50	21.4	ug/L	43				10	85	
	Hexachlorobutadiene	50	36.5	ug/L	73				69	101	
	Caprolactam	50	37.7	ug/L	75				58	128	
	4-Chloro-3-methylphenol	50	36.8	ug/L	74				65	114	
	2-Methylnaphthalene	50	36.5	ug/L	73				64	107	
	Hexachlorocyclopentadiene	100	90.9	ug/L	91				36	160	
	2,4,6-Trichlorophenol	50	40.5	ug/L	81				61	110	
	2,4,5-Trichlorophenol	50	40.3	ug/L	81				70	106	
	1,1-Biphenyl	50	39.5	ug/L	79				72	98	
	2-Chloronaphthalene	50	39.8	ug/L	80				59	106	
	2-Nitroaniline	50	40.4	ug/L	81				58	107	
	Dimethylphthalate	50	39.8	ug/L	80				64	103	
	Acenaphthylene	50	41.1	ug/L	82				65	108	
	2,6-Dinitrotoluene	50	39.3	ug/L	79				64	110	
	3-Nitroaniline	50	31.3	ug/L	63				28	100	
	Acenaphthene	50	38.4	ug/L	77				59	113	
	Total PAH	800	688.2	ug/L	86				59	113	
	2,4-Dinitrophenol	100	78	ug/L	78				64	132	
	4-Nitrophenol	100	78.4	ug/L	78				68	116	
	Dibenzofuran	50	38.5	ug/L	77				65	106	



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

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157895BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	100	77.2	ug/L	77					60	115	
	2,4-Dinitrotoluene	50	37.9	ug/L	76					60	115	
	Diethylphthalate	50	38.4	ug/L	77					63	105	
	4-Chlorophenyl-phenylether	50	37.7	ug/L	75					61	104	
	Fluorene	50	38.8	ug/L	78					64	107	
	4-Nitroaniline	50	35.1	ug/L	70					69	112	
	4,6-Dinitro-2-methylphenol	50	43.1	ug/L	86					62	132	
	N-Nitrosodiphenylamine	50	41	ug/L	82					61	109	
	Azobenzene	50	38.3	ug/L	77					59	106	
	4-Bromophenyl-phenylether	50	39.5	ug/L	79					73	103	
	Hexachlorobenzene	50	39.7	ug/L	79					73	106	
	Atrazine	50	39.1	ug/L	78					76	120	
	Pentachlorophenol	100	72.6	ug/L	73					47	114	
	Phenanthrene	50	41.2	ug/L	82					62	109	
	Anthracene	50	40.7	ug/L	81					65	110	
	Carbazole	50	39.7	ug/L	79					62	106	
	Di-n-butylphthalate	50	39.5	ug/L	79					64	106	
	Fluoranthene	50	38.8	ug/L	78					64	110	
	Benzidine	100	0	ug/L	0		*			10	94	
	Pyrene	50	41	ug/L	82					71	103	
	Butylbenzylphthalate	50	43.7	ug/L	87					61	105	
	3,3-Dichlorobenzidine	50	40.5	ug/L	81					43	108	
	Benzo(a)anthracene	50	40.6	ug/L	81					62	107	
	Chrysene	50	39.6	ug/L	79					61	108	
	bis(2-Ethylhexyl)phthalate	50	43.2	ug/L	86					59	110	
	Di-n-octyl phthalate	50	44.7	ug/L	89					67	126	
	Benzo(b)fluoranthene	50	44.2	ug/L	88					77	113	
	Benzo(k)fluoranthene	50	46.4	ug/L	93					64	113	
	Benzo(a)pyrene	50	46.2	ug/L	92					72	131	
	Indeno(1,2,3-cd)pyrene	50	50.7	ug/L	101					72	105	
	Dibenz(a,h)anthracene	50	51.7	ug/L	103					78	115	
	Benzo(g,h,i)perylene	50	51.4	ug/L	103					75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.1	ug/L	82					72	101	
	1,4-Dioxane	50	29.2	ug/L	58					38	125	
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87					63	116	
	1-Methylnaphthalene	50	35.1	ug/L	70					51	114	
PB157895BSD	n-Nitrosodimethylamine	50	40.9	ug/L	82	2				55	108	20
	Pyridine	50	29.8	ug/L	60	2				29	97	20
	Benzaldehyde	50	14.4	ug/L	29	1				15	121	20
	Aniline	50	24.2	ug/L	48	0				10	130	20
	Phenol	50	38.6	ug/L	77	2				66	118	20
	bis(2-Chloroethyl)ether	50	40.9	ug/L	82	1				62	103	20
	2-Chlorophenol	50	42.9	ug/L	86	2				70	117	20
	1,2-Dichlorobenzene	50	39.5	ug/L	79	1				72	102	20
	1,3-Dichlorobenzene	50	38.8	ug/L	78	1				71	103	20
1,4-Dichlorobenzene	50	38.5	ug/L	77	0				76	103	20	



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

SDG No.: **BF122623**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits	
							Qual	Qual	Low	High
PB157895BSD	Benzyl Alcohol	50	42.5	ug/L	85	1			36	93
	2-Methylphenol	50	40.2	ug/L	80	3			69	109
	2,2-oxybis(1-Chloropropane)	50	40.4	ug/L	81	0			52	103
	Acetophenone	50	39.7	ug/L	79	2			60	104
	3+4-Methylphenols	50	38.4	ug/L	77	0			67	106
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80	2			57	107
	Hexachloroethane	50	39.7	ug/L	79	3			76	118
	Nitrobenzene	50	38.1	ug/L	76	1			58	106
	Isophorone	50	38.3	ug/L	77	2			61	102
	2-Nitrophenol	50	40.7	ug/L	81	1			70	115
	2,4-Dimethylphenol	50	49.8	ug/L	100	2			67	130
	bis(2-Chloroethoxy)methane	50	38.3	ug/L	77	2			58	109
	2,4-Dichlorophenol	50	38.5	ug/L	77	3			66	115
	1,2,4-Trichlorobenzene	50	38.4	ug/L	77	1			41	115
	Benzoic acid	50	39.7	ug/L	79	0			10	125
	Naphthalene	50	38.1	ug/L	76	2			64	107
	4-Chloroaniline	50	21.6	ug/L	43	1			10	85
	Hexachlorobutadiene	50	37.2	ug/L	74	2			69	101
	Caprolactam	50	38.3	ug/L	77	2			58	128
	4-Chloro-3-methylphenol	50	37.6	ug/L	75	2			65	114
	2-Methylnaphthalene	50	36.9	ug/L	74	1			64	107
	Hexachlorocyclopentadiene	100	91.2	ug/L	91	0			36	160
	2,4,6-Trichlorophenol	50	41.3	ug/L	83	2			61	110
	2,4,5-Trichlorophenol	50	39.8	ug/L	80	1			70	106
	1,1-Biphenyl	50	39.7	ug/L	79	1			72	98
	2-Chloronaphthalene	50	39.9	ug/L	80	0			59	106
	2-Nitroaniline	50	41.1	ug/L	82	2			58	107
	Dimethylphthalate	50	39.9	ug/L	80	0			64	103
	Acenaphthylene	50	41.1	ug/L	82	0			65	108
	2,6-Dinitrotoluene	50	39.1	ug/L	78	1			64	110
	3-Nitroaniline	50	32	ug/L	64	2			28	100
	Acenaphthene	50	39.3	ug/L	79	2			59	113
	Total PAH	800	695.9	ug/L	87	1			59	113
	2,4-Dinitrophenol	100	78.6	ug/L	79	1			64	132
	4-Nitrophenol	100	78.6	ug/L	79	0			68	116
	Dibenzofuran	50	38.9	ug/L	78	1			65	106
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	77.2	ug/L	77	0			60	115
	2,4-Dinitrotoluene	50	38.1	ug/L	76	1			60	115
	Diethylphthalate	50	38.5	ug/L	77	0			63	105
	4-Chlorophenyl-phenylether	50	37.4	ug/L	75	1			61	104
	Fluorene	50	39.5	ug/L	79	2			64	107
	4-Nitroaniline	50	35.3	ug/L	71	1			69	112
	4,6-Dinitro-2-methylphenol	50	43.1	ug/L	86	0			62	132
	N-Nitrosodiphenylamine	50	40.8	ug/L	82	0			61	109
	Azobenzene	50	38.8	ug/L	78	1			59	106
	4-Bromophenyl-phenylether	50	39.3	ug/L	79	1			73	103



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

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB157895BSD	Hexachlorobenzene	50	39.3	ug/L	79	1			73	106	20
	Atrazine	50	38.8	ug/L	78	1			76	120	20
	Pentachlorophenol	100	71.6	ug/L	72	1			47	114	20
	Phenanthrene	50	40.7	ug/L	81	1			62	109	20
	Anthracene	50	40	ug/L	80	2			65	110	20
	Carbazole	50	39.3	ug/L	79	1			62	106	20
	Di-n-butylphthalate	50	39.9	ug/L	80	1			64	106	20
	Fluoranthene	50	38.4	ug/L	77	1			64	110	20
	Benzidine	100	0	ug/L	0	0	*		10	94	20
	Pyrene	50	41	ug/L	82	0			71	103	20
	Butylbenzylphthalate	50	42.9	ug/L	86	2			61	105	20
	3,3-Dichlorobenzidine	50	41.1	ug/L	82	1			43	108	20
	Benzo(a)anthracene	50	41	ug/L	82	1			62	107	20
	Chrysene	50	39.5	ug/L	79	0			61	108	20
	bis(2-Ethylhexyl)phthalate	50	43.9	ug/L	88	2			59	110	20
	Di-n-octyl phthalate	50	43.9	ug/L	88	2			67	126	20
	Benzo(b)fluoranthene	50	45.9	ug/L	92	4			77	113	20
	Benzo(k)fluoranthene	50	46.5	ug/L	93	0			64	113	20
	Benzo(a)pyrene	50	47.1	ug/L	94	2			72	131	20
	Indeno(1,2,3-cd)pyrene	50	51.9	ug/L	104	2			72	105	20
	Dibenz(a,h)anthracene	50	53.4	ug/L	107	3			78	115	20
	Benzo(g,h,i)perylene	50	52.5	ug/L	105	2			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	41.7	ug/L	83	1			72	101	20
	1,4-Dioxane	50	29.2	ug/L	58	0			38	125	20
	2,3,4,6-Tetrachlorophenol	50	43.2	ug/L	86	0			63	116	20
	1-Methylnaphthalene	50	35.9	ug/L	72	2			51	114	20



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

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB157949BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	940	ug/Kg	55				28	98	
	Benzaldehyde	1700	610	ug/Kg	36				10	147	
	Aniline	1700	950	ug/Kg	56				38	100	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	1,2-Dichlorobenzene	1700	1300	ug/Kg	76				51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71				52	99	
	1,4-Dichlorobenzene	1700	1200	ug/Kg	71				52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1300	ug/Kg	76				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1200	ug/Kg	71		*		72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	860	ug/Kg	51				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	2600	ug/Kg	79				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	22900	ug/Kg	84				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	



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

SDG No.: BF122623

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB157949BS	2,4-Dinitrotoluene	1700	1300	ug/Kg	76				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2600	ug/Kg	76				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1200	ug/Kg	71				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99	
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98	
	Atrazine	1700	2000	ug/Kg	118		*		67	113	
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	350	ug/Kg	11				10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1300	ug/Kg	76				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

JC-03-111523A

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136738.DLab Sample ID: O5446-01Instrument ID: BNA_FDate Extracted: 11/16/2023Matrix: (soil/water) SolidDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 01:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
JC-03-111523A	O5446-01	BF136738.D	12/27/2023
JC-03-111523B	O5446-03	BF136739.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NB-08-11162023

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136746.DLab Sample ID: O5463-01Instrument ID: BNA_FDate Extracted: 11/17/2023Matrix: (soil/water) SolidDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 05:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
NB-08-11162023	O5463-01	BF136746.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

HR-02-112223

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136742.DLab Sample ID: O5538-01Instrument ID: BNA_FDate Extracted: 12/01/2023Matrix: (soil/water) SolidDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 03:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
HR-02-112223	O5538-01	BF136742.D	12/27/2023
HR-03-112223	O5538-03	BF136734.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

347

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136735.DLab Sample ID: O5598-01Instrument ID: BNA_FDate Extracted: 12/04/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 23:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
347	O5598-01	BF136735.D	12/26/2023
SPRING-VALLEY-TP-1	O5602-01	BF136740.D	12/27/2023
ROUTE-4-TP-4	O5602-07	BF136741.D	12/27/2023
SPRING-VALLEY-TP-2	O5602-03	BF136743.D	12/27/2023
ROUTE-4-TP-6	O5602-11	BF136744.D	12/27/2023
ROUTE-4-TP-5	O5602-09	BF136745.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RT-SB-03-9.5-10.5MS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136730.DLab Sample ID: O5765-03MSInstrument ID: BNA_FDate Extracted: 12/12/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 21:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RT-SB-03-9.5-10.5MS	O5765-03MS	BF136730.D	12/26/2023
RT-SB-03-9.5-10.5MSD	O5765-03MSD	BF136731.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157810BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136717.DLab Sample ID: PB157810BSInstrument ID: BNA_FDate Extracted: 12/15/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 13:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157810BS	PB157810BS	BF136717.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157861BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136718.DLab Sample ID: PB157861BSInstrument ID: BNA_FDate Extracted: 12/18/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 14:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157861BS	PB157861BS	BF136718.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157895BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136714.DLab Sample ID: PB157895BLInstrument ID: BNA_FDate Extracted: 12/18/2023Matrix: (soil/water) WaterDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 12:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157895BS	PB157895BS	BF136715.D	12/26/2023
PB157895BSD	PB157895BSD	BF136716.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157858TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136726.DLab Sample ID: PB157858TBInstrument ID: BNA_FDate Extracted: 12/20/2023Matrix: (soil/water) waterDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 18:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157858TB	PB157858TB	BF136726.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157949BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136712.DLab Sample ID: PB157949BLInstrument ID: BNA_FDate Extracted: 12/20/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 11:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157949BS	PB157949BS	BF136713.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

S-2-NORTH-SIDE

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136732.DLab Sample ID: O5933-03Instrument ID: BNA_FDate Extracted: 12/20/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 22:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
S-2-NORTH-SIDE	O5933-03	BF136732.D	12/26/2023
S-1-SOUTH-SIDE	O5933-01	BF136728.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

GHL-SS-65a

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136729.DLab Sample ID: O5900-23Instrument ID: BNA_FDate Extracted: 12/21/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 20:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
GHL-SS-65a	O5900-23	BF136729.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

CONCRETE-PAD-5

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136721.DLab Sample ID: 05929-09Instrument ID: BNA_FDate Extracted: 12/21/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 16:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
CONCRETE-PAD-5	05929-09	BF136721.D	12/26/2023
CONCRETE-PAD-2	05929-03	BF136722.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ETGI-281

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136727.DLab Sample ID: O5990-01Instrument ID: BNA_FDate Extracted: 12/22/2023Matrix: (soil/water) SolidDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 19:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ETGI-281	O5990-01	BF136727.D	12/26/2023
N41547	O5978-01	BF136733.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP-303-20231218

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136719.DLab Sample ID: O5921-03Instrument ID: BNA_FDate Extracted: 12/21/2023Matrix: (soil/water) WaterDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 15:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-303-20231218	O5921-03	BF136719.D	12/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

E8965C-S-002

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122623SAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136720.DLab Sample ID: O5993-01Instrument ID: BNA_FDate Extracted: 12/23/2023Matrix: (soil/water) waterDate Analyzed: 12/26/2023Level: (low/med) LOWTime Analyzed: 15:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E8965C-S-002	O5993-01	BF136720.D	12/26/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5765-03MS	Client Sample ID:	RT-SB-03-9.5-10.5MS					DataFile:	BF136730.D		
n-Nitrosodimethylamine	2000		2000	ug/Kg	100				66	124	
Pyridine	2000		1500	ug/Kg	75				45	119	
Benzaldehyde	2000		840	ug/Kg	42				26	163	
Aniline	2000		970	ug/Kg	49				10	88	
Phenol	2000		1600	ug/Kg	80				67	126	
bis(2-Chloroethyl)ether	2000		1600	ug/Kg	80				74	116	
2-Chlorophenol	2000		1700	ug/Kg	85				61	138	
1,2-Dichlorobenzene	2000		1600	ug/Kg	80				61	105	
1,3-Dichlorobenzene	2000		1600	ug/Kg	80				62	101	
1,4-Dichlorobenzene	2000		1600	ug/Kg	80				63	104	
Benzyl Alcohol	2000		1800	ug/Kg	90				47	126	
2-Methylphenol	2000		1600	ug/Kg	80				66	122	
2,2-oxybis(1-Chloropropane)	2000		1600	ug/Kg	80				52	115	
Acetophenone	2000		1800	ug/Kg	90				75	111	
3+4-Methylphenols	2000		1600	ug/Kg	80				53	132	
N-Nitroso-di-n-propylamine	2000		1600	ug/Kg	80				59	119	
Hexachloroethane	2000		1500	ug/Kg	75				65	117	
Nitrobenzene	2000		1600	ug/Kg	80				70	119	
Isophorone	2000		1600	ug/Kg	80				76	122	
2-Nitrophenol	2000		1700	ug/Kg	85				54	145	
2,4-Dimethylphenol	2000		1800	ug/Kg	90				83	144	
bis(2-Chloroethoxy)methane	2000		1700	ug/Kg	85				68	112	
2,4-Dichlorophenol	2000		1700	ug/Kg	85				72	118	
1,2,4-Trichlorobenzene	2000		1600	ug/Kg	80				57	103	
Benzoic acid	2000		1200	ug/Kg	60				50	104	
Naphthalene	2000		3200	ug/Kg	160	*			72	110	
4-Chloroaniline	2000		630	ug/Kg	32				10	100	
Hexachlorobutadiene	2000		1600	ug/Kg	80				66	114	
Caprolactam	2000		1600	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	2000		1600	ug/Kg	80				57	132	
2-Methylnaphthalene	2000		3100	ug/Kg	155	*			59	123	
Hexachlorocyclopentadiene	4000		1700	ug/Kg	43				10	175	
2,4,6-Trichlorophenol	2000		1800	ug/Kg	90				72	117	
2,4,5-Trichlorophenol	2000		1700	ug/Kg	85				72	117	
1,1-Biphenyl	2000		1900	ug/Kg	95				75	113	
2-Chloronaphthalene	2000		1700	ug/Kg	85				67	118	
2-Nitroaniline	2000		1800	ug/Kg	90				69	127	
Dimethylphthalate	2000		1800	ug/Kg	90				70	113	
Acenaphthylene	2000		3600	ug/Kg	180	*			79	118	
2,6-Dinitrotoluene	2000		1700	ug/Kg	85				70	125	
3-Nitroaniline	2000		1400	ug/Kg	70				20	111	
Acenaphthene	2000		3300	ug/Kg	165	*			70	121	
Total PAH	32000	0	52500	ug/Kg	164	*			70	121	
2,4-Dinitrophenol	4000		620	ug/Kg	16				16	160	
4-Nitrophenol	4000		2900	ug/Kg	73				45	133	
Dibenzofuran	2000		1700	ug/Kg	85				72	110	
2,4-Dinitrotoluene	2000		1500	ug/Kg	75				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122623

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	4000		3200	ug/Kg	80				55	128	
Diethylphthalate	2000		1600	ug/Kg	80				70	112	
4-Chlorophenyl-phenylether	2000		1500	ug/Kg	75				71	108	
Fluorene	2000		3100	ug/Kg	155	*			68	116	
4-Nitroaniline	2000		1500	ug/Kg	75				55	120	
4,6-Dinitro-2-methylphenol	2000		520	ug/Kg	26	*			32	145	
N-Nitrosodiphenylamine	2000		2000	ug/Kg	100				73	118	
Azobenzene	2000		1500	ug/Kg	75				73	110	
4-Bromophenyl-phenylether	2000		1800	ug/Kg	90				65	121	
Hexachlorobenzene	2000		1800	ug/Kg	90				67	118	
Atrazine	2000		2400	ug/Kg	120				79	127	
Pentachlorophenol	4000		3200	ug/Kg	80				47	128	
Phenanthrene	2000	310	3700	ug/Kg	170	*			72	113	
Anthracene	2000		3400	ug/Kg	170	*			62	124	
Carbazole	2000		1700	ug/Kg	85				59	119	
Di-n-butylphthalate	2000		1800	ug/Kg	90				69	118	
Fluoranthene	2000	390	3500	ug/Kg	156	*			59	125	
Benzidine	4000		480	ug/Kg	12				10	119	
Pyrene	2000	190	2700	ug/Kg	126				52	128	
Butylbenzylphthalate	2000		1600	ug/Kg	80				64	126	
3,3-Dichlorobenzidine	2000		1500	ug/Kg	75				10	164	
Benzo(a)anthracene	2000	160	3700	ug/Kg	177	*			71	114	
Chrysene	2000	140	3500	ug/Kg	168	*			57	121	
bis(2-Ethylhexyl)phthalate	2000		1800	ug/Kg	90				66	127	
Di-n-octyl phthalate	2000		2200	ug/Kg	110				71	126	
Benzo(b)fluoranthene	2000	170	4100	ug/Kg	197	*			67	121	
Benzo(k)fluoranthene	2000		3300	ug/Kg	165	*			74	114	
Benzo(a)pyrene	2000	130	3700	ug/Kg	179	*			70	142	
Indeno(1,2,3-cd)pyrene	2000		2600	ug/Kg	130	*			61	125	
Dibenz(a,h)anthracene	2000		2700	ug/Kg	135	*			67	130	
Benzo(g,h,i)perylene	2000		2400	ug/Kg	120				53	140	
1,2,4,5-Tetrachlorobenzene	2000		1900	ug/Kg	95				69	124	
1,4-Dioxane	2000		1600	ug/Kg	80				46	112	
2,3,4,6-Tetrachlorophenol	2000		1500	ug/Kg	75				56	133	
1-Methylnaphthalene	2000		1600	ug/Kg	80				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122623

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O5765-03MSD	Client Sample ID:	RT-SB-03-9.5-10.5MSD				DataFile:	BF136731.D			
n-Nitrosodimethylamine	2000		1900	ug/Kg	95		5		66	124	20
Pyridine	2000		1500	ug/Kg	75		0		45	119	20
Benzaldehyde	2000		830	ug/Kg	42		0		26	163	20
Aniline	2000		950	ug/Kg	48		2		10	88	20
Phenol	2000		1600	ug/Kg	80		0		67	126	20
bis(2-Chloroethyl)ether	2000		1600	ug/Kg	80		0		74	116	20
2-Chlorophenol	2000		1700	ug/Kg	85		0		61	138	20
1,2-Dichlorobenzene	2000		1600	ug/Kg	80		0		61	105	20
1,3-Dichlorobenzene	2000		1600	ug/Kg	80		0		62	101	20
1,4-Dichlorobenzene	2000		1600	ug/Kg	80		0		63	104	20
Benzyl Alcohol	2000		1700	ug/Kg	85		6		47	126	20
2-Methylphenol	2000		1600	ug/Kg	80		0		66	122	20
2,2-oxybis(1-Chloropropane)	2000		1600	ug/Kg	80		0		52	115	20
Acetophenone	2000		1700	ug/Kg	85		6		75	111	20
3+4-Methylphenols	2000		1600	ug/Kg	80		0		53	132	20
N-Nitroso-di-n-propylamine	2000		1600	ug/Kg	80		0		59	119	20
Hexachloroethane	2000		1500	ug/Kg	75		0		65	117	20
Nitrobenzene	2000		1600	ug/Kg	80		0		70	119	20
Isophorone	2000		1600	ug/Kg	80		0		76	122	20
2-Nitrophenol	2000		1600	ug/Kg	80		6		54	145	20
2,4-Dimethylphenol	2000		1700	ug/Kg	85		6		83	144	20
bis(2-Chloroethoxy)methane	2000		1600	ug/Kg	80		6		68	112	20
2,4-Dichlorophenol	2000		1700	ug/Kg	85		0		72	118	20
1,2,4-Trichlorobenzene	2000		1600	ug/Kg	80		0		57	103	20
Benzoic acid	2000		900	ug/Kg	45	*	29	*	50	104	20
Naphthalene	2000		3100	ug/Kg	155	*	3		72	110	20
4-Chloroaniline	2000		650	ug/Kg	33		3		10	100	20
Hexachlorobutadiene	2000		1500	ug/Kg	75		6		66	114	20
Caprolactam	2000		1500	ug/Kg	75		6		51	134	20
4-Chloro-3-methylphenol	2000		1600	ug/Kg	80		0		57	132	20
2-Methylnaphthalene	2000		3000	ug/Kg	150	*	3		59	123	20
Hexachlorocyclopentadiene	4000		1400	ug/Kg	35		21	*	10	175	20
2,4,6-Trichlorophenol	2000		1800	ug/Kg	90		0		72	117	20
2,4,5-Trichlorophenol	2000		1700	ug/Kg	85		0		72	117	20
1,1-Biphenyl	2000		1900	ug/Kg	95		0		75	113	20
2-Chloronaphthalene	2000		1700	ug/Kg	85		0		67	118	20
2-Nitroaniline	2000		1800	ug/Kg	90		0		69	127	20
Dimethylphthalate	2000		1800	ug/Kg	90		0		70	113	20
Acenaphthylene	2000		3600	ug/Kg	180	*	0		79	118	20
2,6-Dinitrotoluene	2000		1700	ug/Kg	85		0		70	125	20
3-Nitroaniline	2000		1500	ug/Kg	75		7		20	111	20
Acenaphthene	2000		3200	ug/Kg	160	*	3		70	121	20
Total PAH	32000	0	52300	ug/Kg	163	*	1		70	121	20
2,4-Dinitrophenol	4000		320	ug/Kg	8	*	67	*	16	160	20
4-Nitrophenol	4000		2700	ug/Kg	68		7		45	133	20
Dibenzofuran	2000		1700	ug/Kg	85		0		72	110	20
2,4-Dinitrotoluene	2000		1600	ug/Kg	80		6		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122623

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	4000		3300	ug/Kg	83		4		55	128	20
Diethylphthalate	2000		1600	ug/Kg	80		0		70	112	20
4-Chlorophenyl-phenylether	2000		1600	ug/Kg	80		6		71	108	20
Fluorene	2000		3100	ug/Kg	155	*	0		68	116	20
4-Nitroaniline	2000		1500	ug/Kg	75		0		55	120	20
4,6-Dinitro-2-methylphenol	2000		250	ug/Kg	13	*	67	*	32	145	20
N-Nitrosodiphenylamine	2000		2100	ug/Kg	105		5		73	118	20
Azobenzene	2000		1600	ug/Kg	80		6		73	110	20
4-Bromophenyl-phenylether	2000		1900	ug/Kg	95		5		65	121	20
Hexachlorobenzene	2000		1800	ug/Kg	90		0		67	118	20
Atrazine	2000		2400	ug/Kg	120		0		79	127	20
Pentachlorophenol	4000		2900	ug/Kg	73		9		47	128	20
Phenanthrene	2000	310	3700	ug/Kg	170	*	0		72	113	20
Anthracene	2000		3500	ug/Kg	175	*	3		62	124	20
Carbazole	2000		1700	ug/Kg	85		0		59	119	20
Di-n-butylphthalate	2000		1900	ug/Kg	95		5		69	118	20
Fluoranthene	2000	390	3500	ug/Kg	156	*	0		59	125	20
Benzidine	4000		490	ug/Kg	12		0		10	119	20
Pyrene	2000	190	2800	ug/Kg	131	*	4		52	128	20
Butylbenzylphthalate	2000		1600	ug/Kg	80		0		64	126	20
3,3-Dichlorobenzidine	2000		1600	ug/Kg	80		6		10	164	20
Benzo(a)anthracene	2000	160	3700	ug/Kg	177	*	0		71	114	20
Chrysene	2000	140	3600	ug/Kg	173	*	3		57	121	20
bis(2-Ethylhexyl)phthalate	2000		1800	ug/Kg	90		0		66	127	20
Di-n-octyl phthalate	2000		2200	ug/Kg	110		0		71	126	20
Benzo(b)fluoranthene	2000	170	4100	ug/Kg	197	*	0		67	121	20
Benzo(k)fluoranthene	2000		3300	ug/Kg	165	*	0		74	114	20
Benzo(a)pyrene	2000	130	3600	ug/Kg	174	*	3		70	142	20
Indeno(1,2,3-cd)pyrene	2000		2600	ug/Kg	130	*	0		61	125	20
Dibenz(a,h)anthracene	2000		2600	ug/Kg	130		4		67	130	20
Benzo(g,h,i)perylene	2000		2300	ug/Kg	115		4		53	140	20
1,2,4,5-Tetrachlorobenzene	2000		1900	ug/Kg	95		0		69	124	20
1,4-Dioxane	2000		1500	ug/Kg	75		6		46	112	20
2,3,4,6-Tetrachlorophenol	2000		1400	ug/Kg	70		7		56	133	20
1-Methylnaphthalene	2000		1500	ug/Kg	75		6		70	130	20



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5446-01	JC-03-111523A	BF136738.D	2-Fluorophenol	150	90.60	60		18	112
			Phenol-d6	150	85.99	57		15	107
			Nitrobenzene-d5	100	63.20	63		18	107
			2-Fluorobiphenyl	100	70.28	70		20	109
			2,4,6-Tribromophenol	150	71.83	48		10	110
			Terphenyl-d14	100	47.46	47		14	112
O5446-03	JC-03-111523B	BF136739.D	2-Fluorophenol	150	78.33	52		18	112
			Phenol-d6	150	73.42	49		15	107
			Nitrobenzene-d5	100	53.59	54		18	107
			2-Fluorobiphenyl	100	58.06	58		20	109
			2,4,6-Tribromophenol	150	62.59	42		10	110
			Terphenyl-d14	100	39.20	39		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5463-01	NB-08-11162023	BF136746.D	2-Fluorophenol	150	111.53	74		18	112
			Phenol-d6	150	100.82	67		15	107
			Nitrobenzene-d5	100	74.36	74		18	107
			2-Fluorobiphenyl	100	79.52	80		20	109
			2,4,6-Tribromophenol	150	103.91	69		10	110
			Terphenyl-d14	100	71.58	72		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5538-01	HR-02-112223	BF136742.D	2-Fluorophenol	150	76.90	51		18	112
			Phenol-d6	150	71.00	47		15	107
			Nitrobenzene-d5	100	52.39	52		18	107
			2-Fluorobiphenyl	100	60.11	60		20	109
			2,4,6-Tribromophenol	150	67.50	45		10	110
			Terphenyl-d14	100	43.16	43		14	112
O5538-03	HR-03-112223	BF136734.D	2-Fluorophenol	150	86.49	58		18	112
			Phenol-d6	150	83.21	55		15	107
			Nitrobenzene-d5	100	58.64	59		18	107
			2-Fluorobiphenyl	100	65.80	66		20	109
			2,4,6-Tribromophenol	150	66.33	44		10	110
			Terphenyl-d14	100	45.12	45		14	112

Surrogate Summary

SW-846

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5598-01	347	BF136735.D	2-Fluorophenol	150	67.48	45		18	112
			Phenol-d6	150	74.63	50		15	107
			Nitrobenzene-d5	100	55.08	55		18	107
			2-Fluorobiphenyl	100	58.98	59		20	109
			2,4,6-Tribromophenol	150	43.10	29		10	110
			Terphenyl-d14	100	38.70	39		14	112
O5602-01	SPRING-VALLEY-BF136740.D		2-Fluorophenol	150	82.18	55		18	112
			Phenol-d6	150	78.12	52		15	107
			Nitrobenzene-d5	100	60.42	60		18	107
			2-Fluorobiphenyl	100	70.52	71		20	109
			2,4,6-Tribromophenol	150	74.34	50		10	110
			Terphenyl-d14	100	45.49	45		14	112
O5602-03	SPRING-VALLEY-BF136743.D		2-Fluorophenol	150	89.05	59		18	112
			Phenol-d6	150	83.28	56		15	107
			Nitrobenzene-d5	100	63.23	63		18	107
			2-Fluorobiphenyl	100	67.53	68		20	109
			2,4,6-Tribromophenol	150	83.31	56		10	110
			Terphenyl-d14	100	46.84	47		14	112
O5602-07	ROUTE-4-TP-4	BF136741.D	2-Fluorophenol	150	75.93	51		18	112
			Phenol-d6	150	68.31	46		15	107
			Nitrobenzene-d5	100	51.71	52		18	107
			2-Fluorobiphenyl	100	55.50	55		20	109
			2,4,6-Tribromophenol	150	66.79	45		10	110
			Terphenyl-d14	100	35.79	36		14	112
O5602-09	ROUTE-4-TP-5	BF136745.D	2-Fluorophenol	150	105.23	70		18	112
			Phenol-d6	150	95.41	64		15	107
			Nitrobenzene-d5	100	75.51	76		18	107
			2-Fluorobiphenyl	100	76.07	76		20	109
			2,4,6-Tribromophenol	150	104.25	70		10	110
			Terphenyl-d14	100	64.11	64		14	112
O5602-11	ROUTE-4-TP-6	BF136744.D	2-Fluorophenol	150	76.43	51		18	112
			Phenol-d6	150	69.44	46		15	107
			Nitrobenzene-d5	100	53.31	53		18	107
			2-Fluorobiphenyl	100	58.62	59		20	109
			2,4,6-Tribromophenol	150	70.18	47		10	110
			Terphenyl-d14	100	43.27	43		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5765-03MS	RT-SB-03-9.5-10.51	BF136730.D	2-Fluorophenol	150	42.78	29		18	112
			Phenol-d6	150	69.23	46		15	107
			Nitrobenzene-d5	100	53.65	54		18	107
			2-Fluorobiphenyl	100	51.41	51		20	109
			2,4,6-Tribromophenol	150	23.13	15		10	110
			Terphenyl-d14	100	35.52	36		14	112
O5765-03MSD	RT-SB-03-9.5-10.51	BF136731.D	2-Fluorophenol	150	42.14	28		18	112
			Phenol-d6	150	68.56	46		15	107
			Nitrobenzene-d5	100	52.62	53		18	107
			2-Fluorobiphenyl	100	50.63	51		20	109
			2,4,6-Tribromophenol	150	22.29	15		10	110
			Terphenyl-d14	100	36.44	36		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5796-02RE	RT-SB-05-10.25-11	BF136723.D	2-Fluorophenol	150	1.90	1	*	18	112
			Phenol-d6	150	36.06	24		15	107
			Nitrobenzene-d5	100	57.00	57		18	107
			2-Fluorobiphenyl	100	61.93	62		20	109
			2,4,6-Tribromophenol	150	0.09	0	*	10	110
			Terphenyl-d14	100	47.92	48		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5812-01RE	RW2RE	BF136737.D	2-Fluorophenol	150	6.47	4	*	10	139
			Phenol-d6	150	4.90	3	*	10	134
			Nitrobenzene-d5	100	37.84	38	*	49	133
			2-Fluorobiphenyl	100	42.12	42	*	52	132
			2,4,6-Tribromophenol	150	9.77	7	*	32	145
			Terphenyl-d14	100	21.10	21	*	36	145



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5862-10DL	WC-SOLIDS-2023	BF136736.D	2-Fluorophenol	150	98.50	66		18	112
			Phenol-d6	150	109.70	73		15	107
			Nitrobenzene-d5	100	96.45	96		18	107
			2-Fluorobiphenyl	100	127.90	128	*	20	109
			2,4,6-Tribromophenol	150	92.05	61		10	110
			Terphenyl-d14	100	92.65	93		14	112
PB157810BS	PB157810BS	BF136717.D	2-Fluorophenol	150	118.11	79		18	112
			Phenol-d6	150	111.33	74		15	107
			Nitrobenzene-d5	100	74.84	75		18	107
			2-Fluorobiphenyl	100	77.34	77		20	109
			2,4,6-Tribromophenol	150	112.45	75		10	110
			Terphenyl-d14	100	76.43	76		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB157861BS	PB157861BS	BF136718.D	2-Fluorophenol	150	115.37	77		18	112
			Phenol-d6	150	108.24	72		15	107
			Nitrobenzene-d5	100	74.62	75		18	107
			2-Fluorobiphenyl	100	75.53	76		20	109
			2,4,6-Tribromophenol	150	108.23	72		10	110
			Terphenyl-d14	100	75.98	76		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB157895BL	PB157895BL	BF136714.D	2-Fluorophenol	150	142.67	95		10	139
			Phenol-d6	150	134.68	90		10	134
			Nitrobenzene-d5	100	95.26	95		49	133
			2-Fluorobiphenyl	100	93.24	93		52	132
			2,4,6-Tribromophenol	150	130.23	87		32	145
			Terphenyl-d14	100	91.38	91		36	145
PB157895BS	PB157895BS	BF136715.D	2-Fluorophenol	150	116.93	78		10	139
			Phenol-d6	150	109.92	73		10	134
			Nitrobenzene-d5	100	73.04	73		49	133
			2-Fluorobiphenyl	100	73.86	74		52	132
			2,4,6-Tribromophenol	150	112.19	75		32	145
			Terphenyl-d14	100	76.62	77		36	145
PB157895BSD	PB157895BSD	BF136716.D	2-Fluorophenol	150	119.09	79		10	139
			Phenol-d6	150	110.84	74		10	134
			Nitrobenzene-d5	100	73.33	73		49	133
			2-Fluorobiphenyl	100	74.98	75		52	132
			2,4,6-Tribromophenol	150	110.81	74		32	145
			Terphenyl-d14	100	77.05	77		36	145



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB157858TB	PB157858TB	BF136726.D	2-Fluorophenol	150	124.89	83		10	139
			Phenol-d6	150	121.96	81		10	134
			Nitrobenzene-d5	100	82.87	83		49	133
			2-Fluorobiphenyl	100	82.31	82		52	132
			2,4,6-Tribromophenol	150	113.27	76		32	145
			Terphenyl-d14	100	81.01	81		36	145



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB157949BL	PB157949BL	BF136712.D	2-Fluorophenol	150	139.81	93		18	112
			Phenol-d6	150	134.28	90		15	107
			Nitrobenzene-d5	100	95.28	95		18	107
			2-Fluorobiphenyl	100	93.73	94		20	109
			2,4,6-Tribromophenol	150	135.05	90		10	110
			Terphenyl-d14	100	88.23	88		14	112
PB157949BS	PB157949BS	BF136713.D	2-Fluorophenol	150	115.19	77		18	112
			Phenol-d6	150	109.95	73		15	107
			Nitrobenzene-d5	100	75.49	75		18	107
			2-Fluorobiphenyl	100	76.80	77		20	109
			2,4,6-Tribromophenol	150	112.27	75		10	110
			Terphenyl-d14	100	77.22	77		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5933-01	S-1-SOUTH-SIDE	BF136728.D	2-Fluorophenol	150	61.48	41		18	112
			Phenol-d6	150	59.24	39		15	107
			Nitrobenzene-d5	100	40.71	41		18	107
			2-Fluorobiphenyl	100	44.33	44		20	109
			2,4,6-Tribromophenol	150	53.53	36		10	110
			Terphenyl-d14	100	33.53	34		14	112
O5933-03	S-2-NORTH-SIDE	BF136732.D	2-Fluorophenol	150	80.56	54		18	112
			Phenol-d6	150	78.64	52		15	107
			Nitrobenzene-d5	100	54.43	54		18	107
			2-Fluorobiphenyl	100	59.11	59		20	109
			2,4,6-Tribromophenol	150	55.93	37		10	110
			Terphenyl-d14	100	45.76	46		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5900-23	GHL-SS-65a	BF136729.D	2-Fluorophenol	150	87.48	58		18	112
			Phenol-d6	150	86.20	57		15	107
			Nitrobenzene-d5	100	63.17	63		18	107
			2-Fluorobiphenyl	100	65.59	66		20	109
			2,4,6-Tribromophenol	150	80.14	53		10	110
			Terphenyl-d14	100	47.35	47		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5929-03	CONCRETE-PAD-BF136722.D		2-Fluorophenol	150	79.00	53		18	112
			Phenol-d6	150	81.88	55		15	107
			Nitrobenzene-d5	100	60.20	60		18	107
			2-Fluorobiphenyl	100	67.58	68		20	109
			2,4,6-Tribromophenol	150	55.16	37		10	110
			Terphenyl-d14	100	48.52	49		14	112
O5929-09	CONCRETE-PAD-BF136721.D		2-Fluorophenol	150	66.10	44		18	112
			Phenol-d6	150	79.45	53		15	107
			Nitrobenzene-d5	100	67.34	67		18	107
			2-Fluorobiphenyl	100	74.18	74		20	109
			2,4,6-Tribromophenol	150	46.35	31		10	110
			Terphenyl-d14	100	51.71	52		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5978-01	N41547	BF136733.D	2-Fluorophenol	150	90.72	60		18	112
			Phenol-d6	150	86.19	57		15	107
			Nitrobenzene-d5	100	60.40	60		18	107
			2-Fluorobiphenyl	100	67.59	68		20	109
			2,4,6-Tribromophenol	150	75.45	50		10	110
			Terphenyl-d14	100	44.54	45		14	112
O5990-01	ETGI-281	BF136727.D	2-Fluorophenol	150	56.26	38		18	112
			Phenol-d6	150	85.12	57		15	107
			Nitrobenzene-d5	100	69.41	69		18	107
			2-Fluorobiphenyl	100	74.85	75		20	109
			2,4,6-Tribromophenol	150	14.85	10		10	110
			Terphenyl-d14	100	61.08	61		14	112



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5921-03	SP-303-20231218	BF136719.D	2-Fluorophenol	150	40.74	27		10	139
			Phenol-d6	150	21.88	15		10	134
			Nitrobenzene-d5	100	81.44	81		49	133
			2-Fluorobiphenyl	100	85.30	85		52	132
			2,4,6-Tribromophenol	150	100.95	67		32	145
			Terphenyl-d14	100	60.29	60		36	145



Surrogate Summary
SW-846

SDG No.: BF122623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5993-01	E8965C-S-002	BF136720.D	2-Fluorophenol	150	113.13	75		10	139
			Phenol-d6	150	98.94	66		10	134
			Nitrobenzene-d5	100	81.75	82		49	133
			2-Fluorobiphenyl	100	88.19	88		52	132
			2,4,6-Tribromophenol	150	116.14	77		32	145
			Terphenyl-d14	100	70.01	70		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF122623Lab Code: CHEMSAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136710.DDFTPP Injection Date: 12/26/2023Instrument ID: BNA_FDFTPP Injection Time: 10:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.5
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136711.D	12/26/2023	10:44
PB157949BL	PB157949BL	BF136712.D	12/26/2023	11:15
PB157949BS	PB157949BS	BF136713.D	12/26/2023	11:47
PB157895BL	PB157895BL	BF136714.D	12/26/2023	12:18
PB157895BS	PB157895BS	BF136715.D	12/26/2023	12:50
PB157895BSD	PB157895BSD	BF136716.D	12/26/2023	13:22
PB157810BS	PB157810BS	BF136717.D	12/26/2023	13:54
PB157861BS	PB157861BS	BF136718.D	12/26/2023	14:26
SP-303-20231218	O5921-03	BF136719.D	12/26/2023	15:03
E8965C-S-002	O5993-01	BF136720.D	12/26/2023	15:35
CONCRETE-PAD-5	O5929-09	BF136721.D	12/26/2023	16:07
CONCRETE-PAD-2	O5929-03	BF136722.D	12/26/2023	16:38
RT-SB-05-10.25-11.25RE	O5796-02RE	BF136723.D	12/26/2023	17:09



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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF122623Lab Code: CHEMSAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136724.DDFTPP Injection Date: 12/26/2023Instrument ID: BNA_FDFTPP Injection Time: 17:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	88.8
443	15.0 - 24.0% of mass 442	16.7 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136725.D	12/26/2023	18:21
PB157858TB	PB157858TB	BF136726.D	12/26/2023	18:52
ETGI-281	O5990-01	BF136727.D	12/26/2023	19:28
S-1-SOUTH-SIDE	O5933-01	BF136728.D	12/26/2023	19:59
GHL-SS-65a	O5900-23	BF136729.D	12/26/2023	20:31
RT-SB-03-9.5-10.5MS	O5765-03MS	BF136730.D	12/26/2023	21:03
RT-SB-03-9.5-10.5MSD	O5765-03MSD	BF136731.D	12/26/2023	21:34
S-2-NORTH-SIDE	O5933-03	BF136732.D	12/26/2023	22:05
N41547	O5978-01	BF136733.D	12/26/2023	22:36
HR-03-112223	O5538-03	BF136734.D	12/26/2023	23:07
347	O5598-01	BF136735.D	12/26/2023	23:38
WC-SOLIDS-20231213-01DL	O5862-10DL	BF136736.D	12/27/2023	00:09
RW2RE	O5812-01RE	BF136737.D	12/27/2023	00:40
JC-03-111523A	O5446-01	BF136738.D	12/27/2023	01:11
JC-03-111523B	O5446-03	BF136739.D	12/27/2023	01:41
SPRING-VALLEY-TP-1	O5602-01	BF136740.D	12/27/2023	02:12
ROUTE-4-TP-4	O5602-07	BF136741.D	12/27/2023	02:43
HR-02-112223	O5538-01	BF136742.D	12/27/2023	03:14
SPRING-VALLEY-TP-2	O5602-03	BF136743.D	12/27/2023	03:46



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF122623Lab Code: CHEMSAS No.: BF122623 SDG NO.: BF122623Lab File ID: BF136724.DDFTPP Injection Date: 12/26/2023Instrument ID: BNA_FDFTPP Injection Time: 17:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	88.8
443	15.0 - 24.0% of mass 442	16.7 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
ROUTE-4-TP-6	O5602-11	BF136744.D	12/27/2023	04:17
ROUTE-4-TP-5	O5602-09	BF136745.D	12/27/2023	04:48
NB-08-11162023	O5463-01	BF136746.D	12/27/2023	05:18