

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG No.: BF121123

Instrument ID: BNA_F Calibration Date/Time: 12/11/2023 : 12:51

Lab File ID: BF136486.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	0.564	0.551		-2.305	
Pyridine	1.297	1.370		5.628	
2-Fluorophenol	1.354	1.260		-6.942	
Benzaldehyde	0.896	0.859		-4.129	
Aniline	1.708	2.006		17.447	
Phenol-d6	1.690	1.576		-6.746	
Phenol	1.798	1.718		-4.449	20.0
bis(2-Chloroethyl)ether	1.340	1.249		-6.791	
2-Chlorophenol	1.478	1.382		-6.495	
1,2-Dichlorobenzene	1.586	1.381		-12.926	
1,3-Dichlorobenzene	1.663	1.471		-11.545	
1,4-Dichlorobenzene	1.687	1.464		-13.219	20.0
Benzyl Alcohol	1.131	1.115		-1.415	
2-Methylphenol	1.194	1.175		-1.591	
2,2-oxybis(1-Chloropropane)	1.724	1.516		-12.065	
Acetophenone	0.494	0.466		-5.668	
3+4-Methylphenols	1.483	1.461		-1.483	
n-Nitroso-di-n-propylamine	0.975	0.910	0.050	-6.667	
Nitrobenzene-d5	0.370	0.354		-4.324	
Hexachloroethane	0.589	0.513		-12.903	
Nitrobenzene	0.372	0.343		-7.796	
Isophorone	0.665	0.630		-5.263	
2-Nitrophenol	0.183	0.182		-0.546	20.0
2,4-Dimethylphenol	0.226	0.284		25.664	
bis(2-Chloroethoxy)methane	0.408	0.386		-5.392	
2,4-Dichlorophenol	0.298	0.286		-4.027	20.0
1,2,4-Trichlorobenzene	0.347	0.312		-10.086	
Benzoic acid	0.224	0.210		-6.25	
Naphthalene	1.103	1.027		-6.89	
4-Chloroaniline	0.393	0.430		9.415	
Hexachlorobutadiene	0.206	0.184		-10.68	20.0
Caprolactam	0.092	0.091		-1.087	
4-Chloro-3-methylphenol	0.316	0.302		-4.43	20.0
2-Methylnaphthalene	0.702	0.694		-1.14	
Hexachlorocyclopentadiene	0.231	0.265	0.050	14.719	
2,4,6-Trichlorophenol	0.405	0.389		-3.951	20.0
2-Fluorobiphenyl	1.466	1.401		-4.434	
2,4,5-Trichlorophenol	0.452	0.453		0.221	
1,1-Biphenyl	1.702	1.623		-4.642	
2-Chloronaphthalene	1.325	1.196		-9.736	
2-Nitroaniline	0.355	0.357		0.563	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.472	1.432		-2.717	
Acenaphthylene	1.887	1.863		-1.272	
2,6-Dinitrotoluene	0.331	0.314		-5.136	
3-Nitroaniline	0.338	0.346		2.367	
Acenaphthene	1.209	1.156		-4.384	20.0
2,4-Dinitrophenol	0.167	0.139	0.050	-16.766	
4-Nitrophenol	0.254	0.237	0.050	-6.693	
Dibenzofuran	1.766	1.701		-3.681	
2,4-Dinitrotoluene	0.438	0.405		-7.534	
Diethylphthalate	1.448	1.369		-5.456	
4-Chlorophenyl-phenylether	0.691	0.657		-4.92	
Fluorene	1.418	1.326		-6.488	
4-Nitroaniline	0.336	0.336		0.0	
4,6-Dinitro-2-methylphenol	0.124	0.124		0.0	
n-Nitrosodiphenylamine	0.642	0.659		2.648	20.0
Azobenzene	1.318	1.244		-5.615	
2,4,6-Tribromophenol	0.247	0.227		-8.097	
4-Bromophenyl-phenylether	0.233	0.232		-0.429	
Hexachlorobenzene	0.269	0.247		-8.178	
Atrazine	0.183	0.155		-15.301	
Pentachlorophenol	0.152	0.135		-11.184	20.0
Phenanthrene	1.099	1.099		0.0	
Anthracene	1.107	1.120		1.174	
Carbazole	0.980	0.928		-5.306	
Di-n-butylphthalate	1.201	1.091		-9.159	
Fluoranthene	1.152	1.036		-10.069	20.0
Benzidine	0.402	0.346		-13.93	
Pyrene	1.959	2.064		5.36	
Terphenyl-d14	1.517	1.561		2.9	
Butylbenzylphthalate	0.697	0.671		-3.73	
3,3-Dichlorobenzidine	0.391	0.425		8.696	
Benzo(a)anthracene	1.393	1.368		-1.795	
Chrysene	1.371	1.328		-3.136	
Bis(2-ethylhexyl)phthalate	0.855	0.785		-8.187	
Di-n-octyl phthalate	1.263	1.137		-9.976	20.0
Benzo(b)fluoranthene	1.367	1.163		-14.923	
Benzo(k)fluoranthene	1.289	1.151		-10.706	
Benzo(a)pyrene	1.129	1.135		0.531	20.0
Indeno(1,2,3-cd)pyrene	1.389	1.516		9.143	
Dibenzo(a,h)anthracene	1.138	1.247		9.578	
Benzo(g,h,i)perylene	1.168	1.278		9.418	



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Lab File ID: BF136486.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	0.622	0.613		-1.447	
1,4-Dioxane	0.536	0.506		-5.597	20.0
2,3,4,6-Tetrachlorophenol	0.362	0.345		-4.696	
1-Methylnaphthalene	0.689	0.635		-7.837	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG No.: BF121123
 Instrument ID: BNA_F Calibration Date/Time: 12/11/2023 : 23:32
 Lab File ID: BF136506.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.564	0.555		-1.596	50.0
Pyridine	1.297	1.433		10.486	50.0
2-Fluorophenol	1.354	1.295		-4.357	50.0
Benzaldehyde	0.896	0.877		-2.121	50.0
Aniline	1.708	1.878		9.953	50.0
Phenol-d6	1.690	1.539		-8.935	50.0
Phenol	1.798	1.649		-8.287	50.0
bis(2-Chloroethyl)ether	1.340	1.256		-6.269	50.0
2-Chlorophenol	1.478	1.392		-5.819	50.0
1,2-Dichlorobenzene	1.586	1.356		-14.502	50.0
1,3-Dichlorobenzene	1.663	1.441		-13.349	50.0
1,4-Dichlorobenzene	1.687	1.465		-13.159	50.0
Benzyl Alcohol	1.131	1.066		-5.747	50.0
2-Methylphenol	1.194	1.146		-4.02	50.0
2,2-oxybis(1-Chloropropane)	1.724	1.479		-14.211	50.0
Acetophenone	0.494	0.499		1.012	50.0
3+4-Methylphenols	1.483	1.370		-7.62	50.0
n-Nitroso-di-n-propylamine	0.975	0.857	0.050	-12.103	50.0
Nitrobenzene-d5	0.370	0.374		1.081	50.0
Hexachloroethane	0.589	0.446		-24.278	50.0
Nitrobenzene	0.372	0.361		-2.957	50.0
Isophorone	0.665	0.639		-3.91	50.0
2-Nitrophenol	0.183	0.150		-18.033	50.0
2,4-Dimethylphenol	0.226	0.291		28.761	50.0
bis(2-Chloroethoxy)methane	0.408	0.406		-0.49	50.0
2,4-Dichlorophenol	0.298	0.284		-4.698	50.0
1,2,4-Trichlorobenzene	0.347	0.323		-6.916	50.0
Benzoic acid	0.224	0.132		-41.071	50.0
Naphthalene	1.103	1.032		-6.437	50.0
4-Chloroaniline	0.393	0.425		8.142	50.0
Hexachlorobutadiene	0.206	0.190		-7.767	50.0
Caprolactam	0.092	0.083		-9.783	50.0
4-Chloro-3-methylphenol	0.316	0.281		-11.076	50.0
2-Methylnaphthalene	0.702	0.663		-5.556	50.0
Hexachlorocyclopentadiene	0.231	0.059	0.050	-74.459	50.0
2,4,6-Trichlorophenol	0.405	0.388		-4.198	50.0
2-Fluorobiphenyl	1.466	1.561		6.48	50.0
2,4,5-Trichlorophenol	0.452	0.453		0.221	50.0
1,1-Biphenyl	1.702	1.765		3.702	50.0
2-Chloronaphthalene	1.325	1.260		-4.906	50.0
2-Nitroaniline	0.355	0.381		7.324	50.0

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EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.472	1.548		5.163	50.0
Acenaphthylene	1.887	1.894		0.371	50.0
2,6-Dinitrotoluene	0.331	0.313		-5.438	50.0
3-Nitroaniline	0.338	0.381		12.722	50.0
Acenaphthene	1.209	1.163		-3.805	50.0
2,4-Dinitrophenol	0.167	0.005	0.050	-97.006	50.0
4-Nitrophenol	0.254	0.218	0.050	-14.173	50.0
Dibenzofuran	1.766	1.729		-2.095	50.0
2,4-Dinitrotoluene	0.438	0.375		-14.384	50.0
Diethylphthalate	1.448	1.424		-1.657	50.0
4-Chlorophenyl-phenylether	0.691	0.662		-4.197	50.0
Fluorene	1.418	1.332		-6.065	50.0
4-Nitroaniline	0.336	0.367		9.226	50.0
4,6-Dinitro-2-methylphenol	0.124	0.012		-90.323	50.0
n-Nitrosodiphenylamine	0.642	0.687		7.009	50.0
Azobenzene	1.318	1.206		-8.498	50.0
2,4,6-Tribromophenol	0.247	0.214		-13.36	50.0
4-Bromophenyl-phenylether	0.233	0.233		0.0	50.0
Hexachlorobenzene	0.269	0.243		-9.665	50.0
Atrazine	0.183	0.175		-4.372	50.0
Pentachlorophenol	0.152	0.124		-18.421	50.0
Phenanthrene	1.099	1.086		-1.183	50.0
Anthracene	1.107	1.124		1.536	50.0
Carbazole	0.980	0.973		-0.714	50.0
Di-n-butylphthalate	1.201	1.207		0.5	50.0
Fluoranthene	1.152	1.154		0.174	50.0
Benzidine	0.402	0.356		-11.443	50.0
Pyrene	1.959	1.534		-21.695	50.0
Terphenyl-d14	1.517	1.216		-19.842	50.0
Butylbenzylphthalate	0.697	0.646		-7.317	50.0
3,3-Dichlorobenzidine	0.391	0.504		28.9	50.0
Benzo (a) anthracene	1.393	1.357		-2.584	50.0
Chrysene	1.371	1.353		-1.313	50.0
Bis (2-ethylhexyl) phthalate	0.855	0.884		3.392	50.0
Di-n-octyl phthalate	1.263	1.552		22.882	50.0
Benzo (b) fluoranthene	1.367	1.335		-2.341	50.0
Benzo (k) fluoranthene	1.289	1.217		-5.586	50.0
Benzo (a) pyrene	1.129	1.162		2.923	50.0
Indeno (1,2,3-cd) pyrene	1.389	1.130		-18.647	50.0
Dibenzo (a,h) anthracene	1.138	0.951		-16.432	50.0
Benzo (g,h,i) perylene	1.168	0.890		-23.801	50.0



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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.622	0.664		6.752	50.0
1,4-Dioxane	0.536	0.534		-0.373	50.0
2,3,4,6-Tetrachlorophenol	0.362	0.312		-13.812	50.0
1-Methylnaphthalene	0.689	0.605		-12.192	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BL	SDG No.:	BF121123
Lab Sample ID:	PB157455BL	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
BF136487.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

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:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BL	SDG No.:	BF121123
Lab Sample ID:	PB157455BL	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
BF136487.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

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:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BL	SDG No.:	BF121123
Lab Sample ID:	PB157455BL	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
BF136487.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

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	121.859		10-139		81	SPK: -150
13127-88-3	Phenol-d6	118.892		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	80.548		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	77.562		52-132		78	SPK: -100
118-79-6	2,4,6-Tribromophenol	124.031		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	73.765		36-145		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	137861	6.793				
1146-65-2	Naphthalene-d8	568220	8.069				
15067-26-2	Acenaphthene-d10	308559	9.828				
1517-22-2	Phenanthrene-d10	604344	11.322				
1719-03-5	Chrysene-d12	381667	13.974				
1520-96-3	Perylene-d12	278708	15.451				



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Report of Analysis

Client:		Date Collected:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BL	SDG No.:	BF121123
Lab Sample ID:	PB157455BL	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
BF136487.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000141-79-7	3-Penten-2-one, 4-methyl-	150	A			4.463	
000541-05-9	Cyclotrisiloxane, hexamethyl-	2.1	J			4.704	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	96.6	A			5.069	
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	8.4	J			5.822	
000630-02-4	Octacosane	2.1	J			16.48	

Report of Analysis

Client:		Date Collected:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BS	SDG No.:	BF121123
Lab Sample ID:	PB157455BS	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
BF136488.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39.3		2	8	10	ug/L
110-86-1	Pyridine	27.5		1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	14.1		2.4	4	5	ug/L
108-95-2	Phenol	39.9		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.5		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	42		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	38.5		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	37.2		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	42.5		2.4	8	10	ug/L
95-48-7	2-Methylphenol	41.9		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.6		2.3	4	5	ug/L
98-86-2	Acetophenone	39.7		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	41.1		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	38.2		1.6	4	5	ug/L
98-95-3	Nitrobenzene	36.7		1.7	4	5	ug/L
78-59-1	Isophorone	39.1		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	42.2		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	56.9		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.6		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.1		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38		1.7	4	5	ug/L
65-85-0	Benzoic acid	41.8		6.7	8	10	ug/L
91-20-3	Naphthalene	38		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	16.4		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	35.9		1.9	4	5	ug/L
105-60-2	Caprolactam	44		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	38.8		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BS	SDG No.:	BF121123
Lab Sample ID:	PB157455BS	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
BF136488.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	94.5	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39.1		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	38.5		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	37.6		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	40.1		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	39.9		1.9	4	5	ug/L
208-96-8	Acenaphthylene	38.8		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	40.4		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	28.1		2.4	4	5	ug/L
83-32-9	Acenaphthene	38.8		1.7	4	5	ug/L
Total PAH	Total PAH	693.4		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	88.9	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	83.6	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	38.7		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	79.8		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	39.4		2.5	4	5	ug/L
84-66-2	Diethylphthalate	39.5		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.7		2.2	4	5	ug/L
86-73-7	Fluorene	38.3		2	4	5	ug/L
100-01-6	4-Nitroaniline	39.6		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.1		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41.5		2	4	5	ug/L
103-33-3	Azobenzene	38		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39.8		2	4	5	ug/L
118-74-1	Hexachlorobenzene	39		1.9	4	5	ug/L
1912-24-9	Atrazine	5		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	70.8		2.6	8	10	ug/L
85-01-8	Phenanthrene	41.1		2	4	5	ug/L
120-12-7	Anthracene	40.3		2.3	4	5	ug/L
86-74-8	Carbazole	40		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	39.4		2.4	4	5	ug/L
206-44-0	Fluoranthene	38.1		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BS	SDG No.:	BF121123
Lab Sample ID:	PB157455BS	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
BF136488.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	7.2	J	6.6	8	10	ug/L
129-00-0	Pyrene	43.1		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	42.4		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	37.2		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	41.1		1.5	4	5	ug/L
218-01-9	Chrysene	40.5		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	40.6		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.1		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.1		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	51.6		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	52.4		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.7		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41.8		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	37.3		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	110.219		10-139		73	SPK: -150
13127-88-3	Phenol-d6	111.391		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	72.071		49-133		72	SPK: -100
321-60-8	2-Fluorobiphenyl	70.104		52-132		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	111.126		32-145		74	SPK: -150
1718-51-0	Terphenyl-d14	79.065		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131702	6.798				
1146-65-2	Naphthalene-d8	557058	8.075				
15067-26-2	Acenaphthene-d10	299325	9.833				
1517-22-2	Phenanthrene-d10	555705	11.321				
1719-03-5	Chrysene-d12	287768	13.98				
1520-96-3	Perylene-d12	233542	15.451				



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Report of Analysis

Client:		Date Collected:	11/29/2023 12:00:00 AM
Project:		Date Received:	11/29/2023 12:00:00 AM
Client Sample ID:	PB157455BS	SDG No.:	BF121123
Lab Sample ID:	PB157455BS	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
BF136488.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	PB157390BL	SDG No.:	BF121123
Lab Sample ID:	PB157390BL	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
BF136489.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

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:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	PB157390BL	SDG No.:	BF121123
Lab Sample ID:	PB157390BL	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
BF136489.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

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:	11/22/2023 12:00:00 AM
Project:		Date Received:	11/22/2023 12:00:00 AM
Client Sample ID:	PB157390BL	SDG No.:	BF121123
Lab Sample ID:	PB157390BL	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
BF136489.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

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	130.668		10-139		87	SPK: -150
13127-88-3	Phenol-d6	129.741		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	83.851		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	84.984		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.558		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	81.258		36-145		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	109493	6.793				
1146-65-2	Naphthalene-d8	451578	8.069				
15067-26-2	Acenaphthene-d10	235079	9.828				
1517-22-2	Phenanthrene-d10	472935	11.322				
1719-03-5	Chrysene-d12	294323	13.969				
1520-96-3	Perylene-d12	225842	15.451				



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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:	PB157390BL	SDG No.:	BF121123
Lab Sample ID:	PB157390BL	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
BF136489.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000107-52-8	Hexasiloxane, tetradecamethyl-	3.4	J			14.839	
000556-71-8	Cyclononasiloxane, octadecamethyl-	4.8	J			15.274	
000541-01-5	Heptasiloxane, hexadecamethyl-	4.4	J			15.792	
	unknown16.398	4.2	J			16.398	
	unknown17.145	2.4	J			17.145	

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:	PB157390BS	SDG No.:	BF121123
Lab Sample ID:	PB157390BS	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
BF136490.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.4		2	8	10	ug/L
110-86-1	Pyridine	31.3		1.8	4	5	ug/L
100-52-7	Benzaldehyde	23.1		3.3	8	10	ug/L
62-53-3	Aniline	27.9		2.4	4	5	ug/L
108-95-2	Phenol	40.6		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	42.3		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	38.3		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	37		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38.1		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	42.8		2.4	8	10	ug/L
95-48-7	2-Methylphenol	41.5		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38		2.3	4	5	ug/L
98-86-2	Acetophenone	38.8		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	40.7		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	38.2		1.6	4	5	ug/L
98-95-3	Nitrobenzene	37.4		1.7	4	5	ug/L
78-59-1	Isophorone	38.6		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	41.5		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	51.6		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.4		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	40.3		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	37.3		1.7	4	5	ug/L
65-85-0	Benzoic acid	41.8		6.7	8	10	ug/L
91-20-3	Naphthalene	37.4		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	24.8		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	36.2		1.9	4	5	ug/L
105-60-2	Caprolactam	42.4		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	41.7		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	38		2.2	4	5	ug/L

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:	PB157390BS	SDG No.:	BF121123
Lab Sample ID:	PB157390BS	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
BF136490.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	91.9	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40.8		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39.5		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	38.2		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	37.9		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	40.1		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	40		1.9	4	5	ug/L
208-96-8	Acenaphthylene	40.5		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	39.8		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	31.4		2.4	4	5	ug/L
83-32-9	Acenaphthene	38.2		1.7	4	5	ug/L
Total PAH	Total PAH	680.2		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	87.4	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	82.9	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	38.6		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	39.4		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	79.2		4.6	4	10	ug/L
84-66-2	Diethylphthalate	38.9		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.6		2.2	4	5	ug/L
86-73-7	Fluorene	38.2		2	4	5	ug/L
100-01-6	4-Nitroaniline	39		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.7		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	40.9		2	4	5	ug/L
103-33-3	Azobenzene	37.5		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39.4		2	4	5	ug/L
118-74-1	Hexachlorobenzene	38		1.9	4	5	ug/L
1912-24-9	Atrazine	40.1		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	66		2.6	8	10	ug/L
85-01-8	Phenanthrene	40.1		2	4	5	ug/L
120-12-7	Anthracene	40		2.3	4	5	ug/L
86-74-8	Carbazole	38.9		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	38		2.4	4	5	ug/L
206-44-0	Fluoranthene	37		2.1	4	5	ug/L

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:	PB157390BS	SDG No.:	BF121123
Lab Sample ID:	PB157390BS	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
BF136490.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	15.7		6.6	8	10	ug/L
129-00-0	Pyrene	43.1		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	42.2		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	40.7		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	41.3		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	39.6		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	39.4		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.3		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	40.8		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	46		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	51.4		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	50.6		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	31.5		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.8		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	37		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.614		10-139		77	SPK: -150
13127-88-3	Phenol-d6	114.86		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	72.951		49-133		73	SPK: -100
321-60-8	2-Fluorobiphenyl	70.272		52-132		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	114.64		32-145		76	SPK: -150
1718-51-0	Terphenyl-d14	80.014		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129857	6.798				
1146-65-2	Naphthalene-d8	558008	8.075				
15067-26-2	Acenaphthene-d10	295608	9.834				
1517-22-2	Phenanthrene-d10	552543	11.322				
1719-03-5	Chrysene-d12	279416	13.98				
1520-96-3	Perylene-d12	237096	15.457				



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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:	PB157390BS	SDG No.:	BF121123
Lab Sample ID:	PB157390BS	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
BF136490.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	PB157390BSD	SDG No.:	BF121123
Lab Sample ID:	PB157390BSD	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
BF136491.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.6		2	8	10	ug/L
110-86-1	Pyridine	31.4		1.8	4	5	ug/L
100-52-7	Benzaldehyde	22.9		3.3	8	10	ug/L
62-53-3	Aniline	27.9		2.4	4	5	ug/L
108-95-2	Phenol	40		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.7		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	38.4		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	37.4		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	37.8		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	42.3		2.4	8	10	ug/L
95-48-7	2-Methylphenol	42.5		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.6		2.3	4	5	ug/L
98-86-2	Acetophenone	39.1		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	40.9		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.7		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	37.6		1.6	4	5	ug/L
98-95-3	Nitrobenzene	37.1		1.7	4	5	ug/L
78-59-1	Isophorone	38.8		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	41.6		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	52.1		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.8		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.3		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.1		1.7	4	5	ug/L
65-85-0	Benzoic acid	41.2		6.7	8	10	ug/L
91-20-3	Naphthalene	37.8		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	25.2		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	35.9		1.9	4	5	ug/L
105-60-2	Caprolactam	42.7		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	41.4		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	38.3		2.2	4	5	ug/L

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:	PB157390BSD	SDG No.:	BF121123
Lab Sample ID:	PB157390BSD	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
BF136491.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	92.3	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40.8		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39.6		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	38.1		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	37.7		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	40.7		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	40.2		1.9	4	5	ug/L
208-96-8	Acenaphthylene	40.3		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	39.7		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	32.6		2.4	4	5	ug/L
83-32-9	Acenaphthene	38.4		1.7	4	5	ug/L
Total PAH	Total PAH	679.8		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	88.6	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	85.6	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	39.4		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	78.7		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	39		2.5	4	5	ug/L
84-66-2	Diethylphthalate	38.9		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.1		2.2	4	5	ug/L
86-73-7	Fluorene	38.2		2	4	5	ug/L
100-01-6	4-Nitroaniline	39.1		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.7		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	40.8		2	4	5	ug/L
103-33-3	Azobenzene	37.9		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39.4		2	4	5	ug/L
118-74-1	Hexachlorobenzene	38.4		1.9	4	5	ug/L
1912-24-9	Atrazine	39.8		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	66.6		2.6	8	10	ug/L
85-01-8	Phenanthrene	39.7		2	4	5	ug/L
120-12-7	Anthracene	39.5		2.3	4	5	ug/L
86-74-8	Carbazole	39.1		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	37.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	37.4		2.1	4	5	ug/L

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:	PB157390BSD	SDG No.:	BF121123
Lab Sample ID:	PB157390BSD	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
BF136491.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	17.6		6.6	8	10	ug/L
129-00-0	Pyrene	42.9		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	41.5		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	41.3		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	42		1.5	4	5	ug/L
218-01-9	Chrysene	40		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40.9		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	40.3		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	43.2		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.1		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.5		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.9		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.8		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	49.1		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.3		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	31.1		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.9		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	37.1		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	114.424		10-139		76	SPK: -150
13127-88-3	Phenol-d6	114.031		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	73.228		49-133		73	SPK: -100
321-60-8	2-Fluorobiphenyl	71.4		52-132		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	114.956		32-145		77	SPK: -150
1718-51-0	Terphenyl-d14	78.954		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131126	6.798				
1146-65-2	Naphthalene-d8	558601	8.075				
15067-26-2	Acenaphthene-d10	296819	9.834				
1517-22-2	Phenanthrene-d10	558367	11.322				
1719-03-5	Chrysene-d12	287494	13.98				
1520-96-3	Perylene-d12	241454	15.451				



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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:	PB157390BSD	SDG No.:	BF121123
Lab Sample ID:	PB157390BSD	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
BF136491.D	1	11/22/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157390

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

Client:		Date Collected:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BL	SDG No.:	BF121123
Lab Sample ID:	PB157670BL	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
BF136492.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

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:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BL	SDG No.:	BF121123
Lab Sample ID:	PB157670BL	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
BF136492.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	189.9	U	189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	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:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BL	SDG No.:	BF121123
Lab Sample ID:	PB157670BL	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
BF136492.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

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	123.352		18-112		82	SPK: -150
13127-88-3	Phenol-d6	121.145		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	79.786		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	79.258		20-109		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	128.879		10-110		86	SPK: -150
1718-51-0	Terphenyl-d14	73.982		14-112		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	138011	6.793				
1146-65-2	Naphthalene-d8	582202	8.069				
15067-26-2	Acenaphthene-d10	306373	9.828				
1517-22-2	Phenanthrene-d10	611465	11.322				
1719-03-5	Chrysene-d12	391183	13.974				
1520-96-3	Perylene-d12	299705	15.451				



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Report of Analysis

Client:		Date Collected:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BL	SDG No.:	BF121123
Lab Sample ID:	PB157670BL	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
BF136492.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000141-79-7	3-Penten-2-one, 4-methyl-	5100	A			4.463	
000541-05-9	Cyclotrisiloxane, hexamethyl-	73.6	J			4.704	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3200	A			5.069	
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	280	J			5.828	
000107-52-8	Hexasiloxane, tetradecamethyl-	69	J			14.839	
000556-71-8	Cyclononasiloxane, octadecamethyl-	110	J			15.274	
000541-01-5	Heptasiloxane, hexadecamethyl-	110	J			15.786	
	unknown16.398	110	J			16.398	
000638-68-6	Triacontane	69.3	J			16.48	

Report of Analysis

Client:		Date Collected:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BS	SDG No.:	BF121123
Lab Sample ID:	PB157670BS	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
BF136493.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

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	930		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	470		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	1400		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	1400		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	1900		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	1400		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	530		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1500		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BS	SDG No.:	BF121123
Lab Sample ID:	PB157670BS	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
BF136493.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3200	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		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	1400		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	970		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.2	130	170	ug/Kg
Total PAH	Total PAH	23000		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2700		189.7	130	340	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	1300		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	170		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2300		110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.6	130	170	ug/Kg
120-12-7	Anthracene	1300		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:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BS	SDG No.:	BF121123
Lab Sample ID:	PB157670BS	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
BF136493.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	280	J	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	1300		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	1400		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		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	1700		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	1200		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	111.628		18-112		74	SPK: -150
13127-88-3	Phenol-d6	111.596		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	72.294		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	71.516		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	112.255		10-110		75	SPK: -150
1718-51-0	Terphenyl-d14	77.075		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129323	6.798				
1146-65-2	Naphthalene-d8	545293	8.075				
15067-26-2	Acenaphthene-d10	287258	9.834				
1517-22-2	Phenanthrene-d10	542183	11.322				
1719-03-5	Chrysene-d12	291161	13.98				
1520-96-3	Perylene-d12	240494	15.451				



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Report of Analysis

Client:		Date Collected:	12/9/2023 12:00:00 AM
Project:		Date Received:	12/9/2023 12:00:00 AM
Client Sample ID:	PB157670BS	SDG No.:	BF121123
Lab Sample ID:	PB157670BS	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
BF136493.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

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

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	SP-LINDEN	SDG No.:	BF121123
Lab Sample ID:	O5691-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136494.D	1	12/8/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.8	U	51.8	180	220	ug/Kg
110-86-1	Pyridine	48.5	U	48.5	87.1	110	ug/Kg
100-52-7	Benzaldehyde	99.1	U	99.1	180	220	ug/Kg
62-53-3	Aniline	78.4	U	78.4	87.1	110	ug/Kg
108-95-2	Phenol	49.8	U	49.8	87.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	60.2	U	60.2	87.1	110	ug/Kg
95-57-8	2-Chlorophenol	48.2	U	48.2	87.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.7	U	54.7	87.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.3	U	59.3	87.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.2	U	55.2	87.1	110	ug/Kg
100-51-6	Benzyl Alcohol	66.2	U	66.2	180	220	ug/Kg
95-48-7	2-Methylphenol	76.4	U	76.4	87.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70.3	U	70.3	87.1	110	ug/Kg
98-86-2	Acetophenone	58.1	U	58.1	87.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	72.3	U	72.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.5	U	39.5	53.6	53.6	ug/Kg
67-72-1	Hexachloroethane	49.3	U	49.3	87.1	110	ug/Kg
98-95-3	Nitrobenzene	50.4	U	50.4	87.1	110	ug/Kg
78-59-1	Isophorone	45.6	U	45.6	87.1	110	ug/Kg
88-75-5	2-Nitrophenol	63.7	U	63.7	87.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66.7	U	66.7	87.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	75	U	75	87.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	52.3	U	52.3	87.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.9	U	51.9	87.1	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54.5	U	54.5	87.1	110	ug/Kg
106-47-8	4-Chloroaniline	70.3	U	70.3	87.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	56.3	U	56.3	87.1	110	ug/Kg
105-60-2	Caprolactam	78.4	U	78.4	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.3	U	55.3	87.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	63.6	U	63.6	87.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	SP-LINDEN	SDG No.:	BF121123
Lab Sample ID:	O5691-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BF136494.D	1	12/8/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157637

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	51.6	U	51.6	87.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.9	U	58.9	87.1	110	ug/Kg
92-52-4	1,1-Biphenyl	61.2	U	61.2	87.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.7	U	56.7	87.1	110	ug/Kg
88-74-4	2-Nitroaniline	66.5	U	66.5	87.1	110	ug/Kg
131-11-3	Dimethylphthalate	59.6	U	59.6	87.1	110	ug/Kg
208-96-8	Acenaphthylene	59.2	U	59.2	87.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	60.3	U	60.3	87.1	110	ug/Kg
99-09-2	3-Nitroaniline	62.6	U	62.6	87.1	110	ug/Kg
83-32-9	Acenaphthene	53.8	U	53.8	87.1	110	ug/Kg
Total PAH	Total PAH	962.6	U	962.6	87.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.4	U	76.4	180	220	ug/Kg
132-64-9	Dibenzofuran	51.5	U	51.5	87.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	127.2	U	127.2	87.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.9	U	66.9	87.1	110	ug/Kg
84-66-2	Diethylphthalate	57.5	U	57.5	87.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.6	U	60.6	87.1	110	ug/Kg
86-73-7	Fluorene	56.8	U	56.8	87.1	110	ug/Kg
100-01-6	4-Nitroaniline	69.7	U	69.7	87.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.8	U	58.8	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	62.5	U	62.5	87.1	110	ug/Kg
103-33-3	Azobenzene	49.2	U	49.2	87.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.2	U	65.2	87.1	110	ug/Kg
118-74-1	Hexachlorobenzene	66.2	U	66.2	87.1	110	ug/Kg
1912-24-9	Atrazine	63.9	U	63.9	87.1	110	ug/Kg
87-86-5	Pentachlorophenol	74.4	U	74.4	180	220	ug/Kg
85-01-8	Phenanthrene	62.1	U	62.1	87.1	110	ug/Kg
120-12-7	Anthracene	68.3	U	68.3	87.1	110	ug/Kg
86-74-8	Carbazole	56.9	U	56.9	87.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	69.7	U	69.7	87.1	110	ug/Kg
206-44-0	Fluoranthene	63.2	U	63.2	87.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	SP-LINDEN	SDG No.:	BF121123
Lab Sample ID:	O5691-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BF136494.D	1	12/8/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157637

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	56.1	U	56.1	87.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	69	U	69	87.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	56.2	U	56.2	87.1	110	ug/Kg
218-01-9	Chrysene	58.1	U	58.1	87.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	77	U	77	87.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	82.4	U	82.4	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.8	U	53.8	87.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	59	U	59	87.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	63.2	U	63.2	87.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	71.7	U	71.7	87.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.6	U	64.6	87.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62	U	62	87.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.9	U	59.9	87.1	110	ug/Kg
123-91-1	1,4-Dioxane	78.4	U	78.4	87.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.5	U	55.5	87.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	60.4	U	60.4	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.187		18-112		54	SPK: -150
13127-88-3	Phenol-d6	81.423		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	55.711		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	54.364		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.363		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	54.032		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125680	6.792				
1146-65-2	Naphthalene-d8	511438	8.069				
15067-26-2	Acenaphthene-d10	264782	9.828				
1517-22-2	Phenanthrene-d10	490468	11.316				
1719-03-5	Chrysene-d12	253948	13.968				
1520-96-3	Perylene-d12	249195	15.451				

Report of Analysis

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	SP-LINDEN	SDG No.:	BF121123
Lab Sample ID:	O5691-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.5
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
BF136494.D	1	12/8/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	510	J			2.128	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			5.04	
000057-10-3	n-Hexadecanoic acid	120	J			11.851	
000057-11-4	Octadecanoic acid	110	J			12.639	
000630-02-4	Octacosane	64.1	J			13.492	
074339-52-9	Trichloroacetic acid, tetradecyl e	62.1	J			13.892	
000556-71-8	Cyclononasiloxane, octadecamethyl-	53.6	J			14.451	
1000406-32-4	Dotriacontane, 1-iodo-	51.4	J			14.715	
000107-52-8	Hexasiloxane, tetradecamethyl-	60.1	J			14.839	
	unknown15.280	67.2	J			15.28	
	unknown15.786	92.4	J			15.786	
000541-01-5	Heptasiloxane, hexadecamethyl-	83.1	J			16.398	
	unknown17.145	89.8	J			17.145	
	unknown18.062	85.7	J			18.062	

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110	SDG No.:	BF121123
Lab Sample ID:	O5551-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490	Units:	mL
Soil Aliquot Vol:		Final Vol:	500 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
BF136495.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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TARGETS

62-75-9	n-Nitrosodimethylamine	2.1	U	2.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.8	U	1.8	4.1	5.1	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8.2	10.2	ug/L
62-53-3	Aniline	2.5	U	2.5	4.1	5.1	ug/L
108-95-2	Phenol	1.5	U	1.5	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	1.5	U	1.5	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8.2	10.2	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4.1	5.1	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.8	U	1.8	4.1	5.1	ug/L
78-59-1	Isophorone	1.7	U	1.7	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4.1	5.1	ug/L
65-85-0	Benzoic acid	6.8	U	6.8	8.2	10.2	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	2	U	2	4.1	5.1	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110	SDG No.:	BF121123
Lab Sample ID:	O5551-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136495.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.9	U	5.9	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4.1	5.1	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	1.8	U	1.8	4.1	5.1	ug/L
Total PAH	Total PAH	31.5	U	31.5	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	5.6	U	5.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2.9	U	2.9	8.2	10.2	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4.1	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.7	U	4.7	4.1	10.2	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.3	U	2.3	4.1	5.1	ug/L
86-73-7	Fluorene	2.1	U	2.1	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4.1	5.1	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4.1	5.1	ug/L
1912-24-9	Atrazine	3.6	U	3.6	4.1	5.1	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.2	10.2	ug/L
85-01-8	Phenanthrene	2	U	2	4.1	5.1	ug/L
120-12-7	Anthracene	2.3	U	2.3	4.1	5.1	ug/L
86-74-8	Carbazole	1.7	U	1.7	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4.1	5.1	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110	SDG No.:	BF121123
Lab Sample ID:	O5551-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136495.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.7	U	6.7	8.2	10.2	ug/L
129-00-0	Pyrene	1.9	U	1.9	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.9	U	2.9	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	U	5.5	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4.1	5.1	ug/L
218-01-9	Chrysene	1.6	U	1.6	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	2.8	U	2.8	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	2	U	2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4.1	5.1	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	30.963		10-139		41	SPK: -75
13127-88-3	Phenol-d6	21.0585		10-134		28	SPK: -75
4165-60-0	Nitrobenzene-d5	37.4055		49-133		75	SPK: -50
321-60-8	2-Fluorobiphenyl	36.526		52-132		73	SPK: -50
118-79-6	2,4,6-Tribromophenol	53.7735		32-145		72	SPK: -75
1718-51-0	Terphenyl-d14	37.768		36-145		76	SPK: -50
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135648	6.792				
1146-65-2	Naphthalene-d8	547681	8.069				
15067-26-2	Acenaphthene-d10	281868	9.828				
1517-22-2	Phenanthrene-d10	512873	11.322				
1719-03-5	Chrysene-d12	258912	13.968				
1520-96-3	Perylene-d12	270727	15.451				

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110	SDG No.:	BF121123
Lab Sample ID:	O5551-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490	Units:	mL
Soil Aliquot Vol:		Final Vol:	500 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
BF136495.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	79.8	J			2.122	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	15.5	A			5.034	
000134-62-3	Diethyltoluamide	7.6	J			10.21	
1000320-60-9	Glycine, N-methyl-N-methoxycarbonyl	3.3	J			11.457	
000057-10-3	n-Hexadecanoic acid	4.7	J			11.857	
000057-11-4	Octadecanoic acid	3.2	J			12.645	
018835-32-0	1-Tricosene	2.8	J			13.88	

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MS	SDG No.:	BF121123
Lab Sample ID:	O5551-02MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136496.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	16.1		2	8	10	ug/L
110-86-1	Pyridine	15.3		1.8	4	5	ug/L
100-52-7	Benzaldehyde	24.6		3.3	8	10	ug/L
62-53-3	Aniline	19.8		2.4	4	5	ug/L
108-95-2	Phenol	11.4		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	36.2		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	29.7		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	28		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	27		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	27.7		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	26		2.4	8	10	ug/L
95-48-7	2-Methylphenol	25.5		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	33.9		2.3	4	5	ug/L
98-86-2	Acetophenone	38.4		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	21.6		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.7		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	26.3		1.6	4	5	ug/L
98-95-3	Nitrobenzene	35.3		1.7	4	5	ug/L
78-59-1	Isophorone	36.2		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	37.7		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	40.2		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	34.5		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	30.3		1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	31.9		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	12.2		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	27		1.9	4	5	ug/L
105-60-2	Caprolactam	6.5	J	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	32.5		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	33.3		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MS	SDG No.:	BF121123
Lab Sample ID:	O5551-02MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136496.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	69.2		5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	38.3		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	36.1		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	37.6		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	35.9		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	38.9		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	38.2		1.9	4	5	ug/L
208-96-8	Acenaphthylene	39.7		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	38		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	17.4		2.4	4	5	ug/L
83-32-9	Acenaphthene	36.5		1.7	4	5	ug/L
Total PAH	Total PAH	606.5		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	60.9		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	22.5		2.8	8	10	ug/L
132-64-9	Dibenzofuran	37.8		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	74.7		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	36.7		2.5	4	5	ug/L
84-66-2	Diethylphthalate	37.3		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37		2.2	4	5	ug/L
86-73-7	Fluorene	36.7		2	4	5	ug/L
100-01-6	4-Nitroaniline	34.6		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	35.7		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41		2	4	5	ug/L
103-33-3	Azobenzene	36.4		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39.6		2	4	5	ug/L
118-74-1	Hexachlorobenzene	39		1.9	4	5	ug/L
1912-24-9	Atrazine	45.9		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	67.5		2.6	8	10	ug/L
85-01-8	Phenanthrene	39		2	4	5	ug/L
120-12-7	Anthracene	39.9		2.3	4	5	ug/L
86-74-8	Carbazole	37.1		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	38		2.4	4	5	ug/L
206-44-0	Fluoranthene	33.6		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MS	SDG No.:	BF121123
Lab Sample ID:	O5551-02MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136496.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	27.3		6.6	8	10	ug/L
129-00-0	Pyrene	39.3		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	40.3		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	28.9		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	38.7		1.5	4	5	ug/L
218-01-9	Chrysene	38.1		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43.5		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	35.7		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	35.5		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	37.7		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41.6		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.4		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	40.2		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	15.7		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37.5		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	33.1		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	20.797		10-139		28	SPK: -75
13127-88-3	Phenol-d6	13.258		10-134		18	SPK: -75
4165-60-0	Nitrobenzene-d5	33.0075		49-133		66	SPK: -50
321-60-8	2-Fluorobiphenyl	33.775		52-132		68	SPK: -50
118-79-6	2,4,6-Tribromophenol	47.365		32-145		63	SPK: -75
1718-51-0	Terphenyl-d14	32.895		36-145		66	SPK: -50
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129014	6.793				
1146-65-2	Naphthalene-d8	523931	8.075				
15067-26-2	Acenaphthene-d10	265681	9.833				
1517-22-2	Phenanthrene-d10	464973	11.322				
1719-03-5	Chrysene-d12	230984	13.974				
1520-96-3	Perylene-d12	253005	15.451				



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

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MS	SDG No.:	BF121123
Lab Sample ID:	O5551-02MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	500	Units:	mL
Soil Aliquot Vol:		Final Vol:	500 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
BF136496.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

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

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MSD	SDG No.:	BF121123
Lab Sample ID:	O5551-03MSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136497.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	15.5		2.1	8.2	10.2	ug/L
110-86-1	Pyridine	14.9		1.8	4.1	5.1	ug/L
100-52-7	Benzaldehyde	22.6		3.3	8.2	10.2	ug/L
62-53-3	Aniline	19		2.5	4.1	5.1	ug/L
108-95-2	Phenol	11.1		1.5	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	35		1.7	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	28.3		1.4	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	27.1		1.3	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	26		1.8	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	26.4		1.5	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	24.1		2.4	8.2	10.2	ug/L
95-48-7	2-Methylphenol	24.5		2.1	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	32.6		2.3	4.1	5.1	ug/L
98-86-2	Acetophenone	36.9		1.8	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	20.5		2.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	35.2		2	2.6	2.6	ug/L
67-72-1	Hexachloroethane	24.7		1.7	4.1	5.1	ug/L
98-95-3	Nitrobenzene	33.9		1.8	4.1	5.1	ug/L
78-59-1	Isophorone	35.3		1.7	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	36.7		2.4	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	39.9		3	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	36		2.1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	33.5		1.7	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	29.7		1.7	4.1	5.1	ug/L
65-85-0	Benzoic acid	6.8	U	6.8	8.2	10.2	ug/L
91-20-3	Naphthalene	30.9		1.7	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	13.2		2.6	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	25.9		2	4.1	5.1	ug/L
105-60-2	Caprolactam	6.6	J	3.5	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	31.1		1.8	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	32.7		2.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MSD	SDG No.:	BF121123
Lab Sample ID:	O5551-03MSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136497.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	66.4		5.9	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	36.4		1.6	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	34.7		1.6	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	36		1.8	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	34.5		1.6	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	36.9		2.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	36.6		1.9	4.1	5.1	ug/L
208-96-8	Acenaphthylene	37.5		2.2	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	35.7		2.1	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	17.1		2.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	34.9		1.8	4.1	5.1	ug/L
Total PAH	Total PAH	579.8		31.5	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	59.2		5.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	21.1		2.9	8.2	10.2	ug/L
132-64-9	Dibenzofuran	35.5		1.6	4.1	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	35.2		2.6	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	70.9		4.7	4.1	10.2	ug/L
84-66-2	Diethylphthalate	35.4		2.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	34.9		2.3	4.1	5.1	ug/L
86-73-7	Fluorene	34.9		2.1	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	32.8		2.4	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	34.4		1.8	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	39.3		2	4.1	5.1	ug/L
103-33-3	Azobenzene	34.4		1.7	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	38.3		2	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	37.5		1.9	4.1	5.1	ug/L
1912-24-9	Atrazine	43.8		3.6	4.1	5.1	ug/L
87-86-5	Pentachlorophenol	65		2.6	8.2	10.2	ug/L
85-01-8	Phenanthrene	37.5		2	4.1	5.1	ug/L
120-12-7	Anthracene	37.9		2.3	4.1	5.1	ug/L
86-74-8	Carbazole	35		1.7	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	36		2.4	4.1	5.1	ug/L
206-44-0	Fluoranthene	32.2		2.1	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MSD	SDG No.:	BF121123
Lab Sample ID:	O5551-03MSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136497.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	28.9		6.7	8.2	10.2	ug/L
129-00-0	Pyrene	37.6		1.9	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	39.4		2.9	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	29.1		5.5	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	37.5		1.5	4.1	5.1	ug/L
218-01-9	Chrysene	37.1		1.6	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.4		3	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	46		3.2	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	33.8		1.5	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	33.5		1.9	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	36.2		2.8	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39.7		2.1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.3		2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	38.3		2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	36.7		2.1	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	15		2.5	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	35.5		1.3	4.1	5.1	ug/L
90-12-0	1-Methylnaphthalene	32.2		2.1	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	19.4355		10-139		26	SPK: -75
13127-88-3	Phenol-d6	12.286		10-134		16	SPK: -75
4165-60-0	Nitrobenzene-d5	31.451		49-133		63	SPK: -50
321-60-8	2-Fluorobiphenyl	31.918		52-132		64	SPK: -50
118-79-6	2,4,6-Tribromophenol	43.797		32-145		58	SPK: -75
1718-51-0	Terphenyl-d14	31.2825		36-145		63	SPK: -50
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134049	6.792				
1146-65-2	Naphthalene-d8	538713	8.075				
15067-26-2	Acenaphthene-d10	277351	9.833				
1517-22-2	Phenanthrene-d10	477249	11.321				
1719-03-5	Chrysene-d12	233581	13.974				
1520-96-3	Perylene-d12	265937	15.451				



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

Report of Analysis

Client:		Date Collected:	11/27/2023 12:00:00 AM
Project:		Date Received:	11/27/2023 12:00:00 AM
Client Sample ID:	MW-110MSD	SDG No.:	BF121123
Lab Sample ID:	O5551-03MSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	490	Units:	mL
Soil Aliquot Vol:		Final Vol:	500 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
BF136497.D	1	11/29/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157455

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

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-34	SDG No.:	BF121123
Lab Sample ID:	O5671-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136498.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-34	SDG No.:	BF121123
Lab Sample ID:	O5671-04	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
BF136498.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-34	SDG No.:	BF121123
Lab Sample ID:	O5671-04	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
BF136498.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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	125.987		10-139		84	SPK: -150
13127-88-3	Phenol-d6	112.997		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	94.581		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	91.82		52-132		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	140.659		32-145		94	SPK: -150
1718-51-0	Terphenyl-d14	100.86		36-145		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	119569	6.792				
1146-65-2	Naphthalene-d8	478924	8.069				
15067-26-2	Acenaphthene-d10	252823	9.827				
1517-22-2	Phenanthrene-d10	468187	11.316				
1719-03-5	Chrysene-d12	247034	13.968				
1520-96-3	Perylene-d12	235035	15.451				



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Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-34	SDG No.:	BF121123
Lab Sample ID:	O5671-04	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
BF136498.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-08	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
BF136499.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-08	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
BF136499.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-08	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
BF136499.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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	115.239		10-139		77	SPK: -150
13127-88-3	Phenol-d6	106.101		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	84.708		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	83.44		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.523		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	86.505		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122394	6.792				
1146-65-2	Naphthalene-d8	500202	8.069				
15067-26-2	Acenaphthene-d10	261500	9.827				
1517-22-2	Phenanthrene-d10	487347	11.316				
1719-03-5	Chrysene-d12	265988	13.968				
1520-96-3	Perylene-d12	260861	15.445				



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Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-08	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
BF136499.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	TT-FRACSEDIMENT-IDWSO-20231207	SDG No.:	BF121123
Lab Sample ID:	O5720-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	69.9
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
BF136500.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	260	U	260	900	1100	ug/Kg
110-86-1	Pyridine	240	U	240	430	560	ug/Kg
100-52-7	Benzaldehyde	490	U	490	900	1100	ug/Kg
62-53-3	Aniline	390	U	390	430	560	ug/Kg
108-95-2	Phenol	250	U	250	430	560	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	300	U	300	430	560	ug/Kg
95-57-8	2-Chlorophenol	240	U	240	430	560	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	430	560	ug/Kg
541-73-1	1,3-Dichlorobenzene	290	U	290	430	560	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	430	560	ug/Kg
100-51-6	Benzyl Alcohol	330	U	330	900	1100	ug/Kg
95-48-7	2-Methylphenol	380	U	380	430	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	350	U	350	430	560	ug/Kg
98-86-2	Acetophenone	290	U	290	430	560	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	360	900	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	200	270	270	ug/Kg
67-72-1	Hexachloroethane	240	U	240	430	560	ug/Kg
98-95-3	Nitrobenzene	250	U	250	430	560	ug/Kg
78-59-1	Isophorone	230	U	230	430	560	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	430	560	ug/Kg
105-67-9	2,4-Dimethylphenol	330	U	330	430	560	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	370	U	370	430	560	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	430	560	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	430	560	ug/Kg
65-85-0	Benzoic acid	710	U	710	900	1100	ug/Kg
91-20-3	Naphthalene	270	U	270	430	560	ug/Kg
106-47-8	4-Chloroaniline	350	U	350	430	560	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	430	560	ug/Kg
105-60-2	Caprolactam	390	U	390	900	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	270	430	560	ug/Kg
91-57-6	2-Methylnaphthalene	320	U	320	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	TT-FRACSEDIMENT-IDWSO-20231207	SDG No.:	BF121123
Lab Sample ID:	O5720-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	69.9
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
BF136500.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	700	U	700	900	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	260	U	260	430	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	290	430	560	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	430	560	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	430	560	ug/Kg
88-74-4	2-Nitroaniline	330	U	330	430	560	ug/Kg
131-11-3	Dimethylphthalate	300	U	300	430	560	ug/Kg
208-96-8	Acenaphthylene	290	U	290	430	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	300	U	300	430	560	ug/Kg
99-09-2	3-Nitroaniline	310	U	310	430	560	ug/Kg
83-32-9	Acenaphthene	270	U	270	430	560	ug/Kg
Total PAH	Total PAH	4780	U	4780	430	8960	ug/Kg
51-28-5	2,4-Dinitrophenol	600	U	600	900	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	900	1100	ug/Kg
132-64-9	Dibenzofuran	260	U	260	430	560	ug/Kg
121-14-2	2,4-Dinitrotoluene	330	U	330	430	560	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	630	U	630	430	1120	ug/Kg
84-66-2	Diethylphthalate	290	U	290	430	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	300	U	300	430	560	ug/Kg
86-73-7	Fluorene	280	U	280	430	560	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	430	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	900	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	310	U	310	430	560	ug/Kg
103-33-3	Azobenzene	240	U	240	430	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	320	U	320	430	560	ug/Kg
118-74-1	Hexachlorobenzene	330	U	330	430	560	ug/Kg
1912-24-9	Atrazine	320	U	320	430	560	ug/Kg
87-86-5	Pentachlorophenol	370	U	370	900	1100	ug/Kg
85-01-8	Phenanthrene	310	U	310	430	560	ug/Kg
120-12-7	Anthracene	340	U	340	430	560	ug/Kg
86-74-8	Carbazole	280	U	280	430	560	ug/Kg
84-74-2	Di-n-butylphthalate	350	U	350	430	560	ug/Kg
206-44-0	Fluoranthene	310	U	310	430	560	ug/Kg

Report of Analysis

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	TT-FRACSEDIMENT-IDWSO-20231207	SDG No.:	BF121123
Lab Sample ID:	O5720-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	69.9
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
BF136500.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	640	U	640	900	1100	ug/Kg
129-00-0	Pyrene	280	U	280	430	560	ug/Kg
85-68-7	Butylbenzylphthalate	340	U	340	430	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	530	U	530	900	1100	ug/Kg
56-55-3	Benzo(a)anthracene	280	U	280	430	560	ug/Kg
218-01-9	Chrysene	290	U	290	430	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	380	430	560	ug/Kg
117-84-0	Di-n-octyl phthalate	410	U	410	900	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	270	430	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	290	U	290	430	560	ug/Kg
50-32-8	Benzo(a)pyrene	310	U	310	430	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	360	430	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	320	U	320	430	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310	U	310	430	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	300	430	560	ug/Kg
123-91-1	1,4-Dioxane	390	U	390	430	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	280	U	280	430	560	ug/Kg
90-12-0	1-Methylnaphthalene	300	U	300	560	560	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.909		18-112		52	SPK: -150
13127-88-3	Phenol-d6	77.644		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	53.138		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	49.495		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.471		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	45.598		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131922	6.792				
1146-65-2	Naphthalene-d8	530840	8.069				
15067-26-2	Acenaphthene-d10	277798	9.827				
1517-22-2	Phenanthrene-d10	523721	11.316				
1719-03-5	Chrysene-d12	288873	13.968				
1520-96-3	Perylene-d12	271872	15.451				



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Report of Analysis

Client:		Date Collected:	12/7/2023 12:00:00 AM
Project:		Date Received:	12/7/2023 12:00:00 AM
Client Sample ID:	TT-FRACSEDIMENT-IDWSO-20231207	SDG No.:	BF121123
Lab Sample ID:	O5720-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	69.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136500.D	1	12/9/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157670

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2300	J			2.134	
	unknown14.839	710	J			14.839	
	unknown15.274	250	J			15.274	
000107-52-8	Hexasiloxane, tetradecamethyl-	230	J			15.792	

Report of Analysis

Client:				Date Collected:	12/6/2023 12:00:00 AM		
Project:				Date Received:	12/6/2023 12:00:00 AM		
Client Sample ID:	TP-34			SDG No.:	BF121123		
Lab Sample ID:	O5671-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	14.6		
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
BF136501.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.2	U	54.2	190	230	ug/Kg
110-86-1	Pyridine	50.8	U	50.8	91.2	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	82.1	U	82.1	91.2	120	ug/Kg
108-95-2	Phenol	52.2	U	52.2	91.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	63	U	63	91.2	120	ug/Kg
95-57-8	2-Chlorophenol	50.5	U	50.5	91.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.3	U	57.3	91.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.1	U	62.1	91.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.8	U	57.8	91.2	120	ug/Kg
100-51-6	Benzyl Alcohol	69.3	U	69.3	190	230	ug/Kg
95-48-7	2-Methylphenol	79.9	U	79.9	91.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	73.6	U	73.6	91.2	120	ug/Kg
98-86-2	Acetophenone	60.8	U	60.8	91.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	75.7	U	75.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.4	U	41.4	56.1	56.1	ug/Kg
67-72-1	Hexachloroethane	51.6	U	51.6	91.2	120	ug/Kg
98-95-3	Nitrobenzene	52.7	U	52.7	91.2	120	ug/Kg
78-59-1	Isophorone	47.8	U	47.8	91.2	120	ug/Kg
88-75-5	2-Nitrophenol	66.7	U	66.7	91.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	69.9	U	69.9	91.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	78.5	U	78.5	91.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.8	U	54.8	91.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.4	U	54.4	91.2	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57.1	U	57.1	91.2	120	ug/Kg
106-47-8	4-Chloroaniline	73.6	U	73.6	91.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.9	U	58.9	91.2	120	ug/Kg
105-60-2	Caprolactam	82.1	U	82.1	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.9	U	57.9	91.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	66.6	U	66.6	91.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-34	SDG No.:	BF121123
Lab Sample ID:	O5671-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
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
BF136501.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

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	54.1	U	54.1	91.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.6	U	61.6	91.2	120	ug/Kg
92-52-4	1,1-Biphenyl	64	U	64	91.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.3	U	59.3	91.2	120	ug/Kg
88-74-4	2-Nitroaniline	69.6	U	69.6	91.2	120	ug/Kg
131-11-3	Dimethylphthalate	62.3	U	62.3	91.2	120	ug/Kg
208-96-8	Acenaphthylene	62	U	62	91.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	63.1	U	63.1	91.2	120	ug/Kg
99-09-2	3-Nitroaniline	65.5	U	65.5	91.2	120	ug/Kg
83-32-9	Acenaphthene	56.3	U	56.3	91.2	120	ug/Kg
Total PAH	Total PAH	1007.8	U	1007.8	91.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.9	U	79.9	190	230	ug/Kg
132-64-9	Dibenzofuran	53.9	U	53.9	91.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	33.2	U	133.2	91.2	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	70.1	U	70.1	91.2	120	ug/Kg
84-66-2	Diethylphthalate	60.2	U	60.2	91.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63.4	U	63.4	91.2	120	ug/Kg
86-73-7	Fluorene	59.5	U	59.5	91.2	120	ug/Kg
100-01-6	4-Nitroaniline	72.9	U	72.9	91.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	61.6	U	61.6	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	65.4	U	65.4	91.2	120	ug/Kg
103-33-3	Azobenzene	51.5	U	51.5	91.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.3	U	68.3	91.2	120	ug/Kg
118-74-1	Hexachlorobenzene	69.3	U	69.3	91.2	120	ug/Kg
1912-24-9	Atrazine	66.9	U	66.9	91.2	120	ug/Kg
87-86-5	Pentachlorophenol	77.8	U	77.8	190	230	ug/Kg
85-01-8	Phenanthrene	65	U	65	91.2	120	ug/Kg
120-12-7	Anthracene	71.5	U	71.5	91.2	120	ug/Kg
86-74-8	Carbazole	59.5	U	59.5	91.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	72.9	U	72.9	91.2	120	ug/Kg
206-44-0	Fluoranthene	66.2	U	66.2	91.2	120	ug/Kg

Report of Analysis

Client:				Date Collected:	12/6/2023 12:00:00 AM		
Project:				Date Received:	12/6/2023 12:00:00 AM		
Client Sample ID:	TP-34			SDG No.:	BF121123		
Lab Sample ID:	O5671-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	14.6		
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
BF136501.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	230	ug/Kg
129-00-0	Pyrene	58.7	U	58.7	91.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	72.2	U	72.2	91.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	58.8	U	58.8	91.2	120	ug/Kg
218-01-9	Chrysene	60.9	U	60.9	91.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	80.7	U	80.7	91.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	86.3	U	86.3	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.3	U	56.3	91.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.8	U	61.8	91.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	66.1	U	66.1	91.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	75	U	75	91.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.7	U	67.7	91.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	64.9	U	64.9	91.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62.7	U	62.7	91.2	120	ug/Kg
123-91-1	1,4-Dioxane	82.1	U	82.1	91.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.1	U	58.1	91.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	63.3	U	63.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.317		18-112		86	SPK: -150
13127-88-3	Phenol-d6	129.351		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	90.619		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	81.025		20-109		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	125.267		10-110		84	SPK: -150
1718-51-0	Terphenyl-d14	80.939		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	127791	6.792				
1146-65-2	Naphthalene-d8	511474	8.069				
15067-26-2	Acenaphthene-d10	272837	9.827				
1517-22-2	Phenanthrene-d10	506962	11.316				
1719-03-5	Chrysene-d12	267223	13.968				
1520-96-3	Perylene-d12	256142	15.451				



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Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-34	SDG No.:	BF121123
Lab Sample ID:	O5671-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
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
BF136501.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	700	J			2.146	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	450	A			5.051	
000770-35-4	1-Phenoxypropan-2-ol	54	J			8.386	
000057-10-3	n-Hexadecanoic acid	93.3	J			11.857	
074339-54-1	Trichloroacetic acid, hexadecyl es	47.9	J			13.886	

Report of Analysis

Client:		Date Collected:	12/5/2023 12:00:00 AM
Project:		Date Received:	12/5/2023 12:00:00 AM
Client Sample ID:	E8965C-CC-001	SDG No.:	BF121123
Lab Sample ID:	O5639-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136502.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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:	12/5/2023 12:00:00 AM
Project:		Date Received:	12/5/2023 12:00:00 AM
Client Sample ID:	E8965C-CC-001	SDG No.:	BF121123
Lab Sample ID:	O5639-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136502.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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:	12/5/2023 12:00:00 AM
Project:		Date Received:	12/5/2023 12:00:00 AM
Client Sample ID:	E8965C-CC-001	SDG No.:	BF121123
Lab Sample ID:	O5639-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136502.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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	111.403		10-139		74	SPK: -150
13127-88-3	Phenol-d6	96.663		10-134		64	SPK: -150
4165-60-0	Nitrobenzene-d5	87.728		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	83.929		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	129.58		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	94.013		36-145		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123448	6.792				
1146-65-2	Naphthalene-d8	500700	8.069				
15067-26-2	Acenaphthene-d10	265475	9.827				
1517-22-2	Phenanthrene-d10	488051	11.316				
1719-03-5	Chrysene-d12	260774	13.968				
1520-96-3	Perylene-d12	252290	15.451				



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

Report of Analysis

Client:		Date Collected:	12/5/2023 12:00:00 AM
Project:		Date Received:	12/5/2023 12:00:00 AM
Client Sample ID:	E8965C-CC-001	SDG No.:	BF121123
Lab Sample ID:	O5639-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136502.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157617

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

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	50.02	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
BF136503.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.9	U	49.9	170	210	ug/Kg
110-86-1	Pyridine	46.7	U	46.7	83.8	110	ug/Kg
100-52-7	Benzaldehyde	95.4	U	95.4	170	210	ug/Kg
62-53-3	Aniline	75.5	U	75.5	83.8	110	ug/Kg
108-95-2	Phenol	48	U	48	83.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.9	U	57.9	83.8	110	ug/Kg
95-57-8	2-Chlorophenol	46.4	U	46.4	83.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.7	U	52.7	83.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.1	U	57.1	83.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.1	U	53.1	83.8	110	ug/Kg
100-51-6	Benzyl Alcohol	63.7	U	63.7	170	210	ug/Kg
95-48-7	2-Methylphenol	73.5	U	73.5	83.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.7	U	67.7	83.8	110	ug/Kg
98-86-2	Acetophenone	55.9	U	55.9	83.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	69.6	U	69.6	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38	U	38	51.6	51.6	ug/Kg
67-72-1	Hexachloroethane	47.5	U	47.5	83.8	110	ug/Kg
98-95-3	Nitrobenzene	48.5	U	48.5	83.8	110	ug/Kg
78-59-1	Isophorone	43.9	U	43.9	83.8	110	ug/Kg
88-75-5	2-Nitrophenol	61.3	U	61.3	83.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	64.2	U	64.2	83.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.2	U	72.2	83.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.4	U	50.4	83.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	50	U	50	83.8	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	52.5	U	52.5	83.8	110	ug/Kg
106-47-8	4-Chloroaniline	67.7	U	67.7	83.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.2	U	54.2	83.8	110	ug/Kg
105-60-2	Caprolactam	75.5	U	75.5	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.2	U	53.2	83.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	61.2	U	61.2	83.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	50.02	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
BF136503.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.7	U	49.7	83.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.7	U	56.7	83.8	110	ug/Kg
92-52-4	1,1-Biphenyl	58.9	U	58.9	83.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.6	U	54.6	83.8	110	ug/Kg
88-74-4	2-Nitroaniline	64	U	64	83.8	110	ug/Kg
131-11-3	Dimethylphthalate	57.3	U	57.3	83.8	110	ug/Kg
208-96-8	Acenaphthylene	57	U	57	83.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	58	U	58	83.8	110	ug/Kg
99-09-2	3-Nitroaniline	60.2	U	60.2	83.8	110	ug/Kg
83-32-9	Acenaphthene	51.8	U	51.8	83.8	110	ug/Kg
Total PAH	Total PAH	2223.6	U	926.9	83.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.5	U	73.5	170	210	ug/Kg
132-64-9	Dibenzofuran	49.6	U	49.6	83.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	22.4	U	122.4	83.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.4	U	64.4	83.8	110	ug/Kg
84-66-2	Diethylphthalate	55.4	U	55.4	83.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.3	U	58.3	83.8	110	ug/Kg
86-73-7	Fluorene	54.7	U	54.7	83.8	110	ug/Kg
100-01-6	4-Nitroaniline	67.1	U	67.1	83.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56.6	U	56.6	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60.2	U	60.2	83.8	110	ug/Kg
103-33-3	Azobenzene	47.4	U	47.4	83.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.8	U	62.8	83.8	110	ug/Kg
118-74-1	Hexachlorobenzene	63.7	U	63.7	83.8	110	ug/Kg
1912-24-9	Atrazine	61.5	U	61.5	83.8	110	ug/Kg
87-86-5	Pentachlorophenol	71.6	U	71.6	170	210	ug/Kg
85-01-8	Phenanthrene	310		59.8	83.8	110	ug/Kg
120-12-7	Anthracene	65.8	U	65.8	83.8	110	ug/Kg
86-74-8	Carbazole	54.8	U	54.8	83.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	67.1	U	67.1	83.8	110	ug/Kg
206-44-0	Fluoranthene	390		60.9	83.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	50.02	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
BF136503.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

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	320		54	83.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	66.4	U	66.4	83.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	210		54.1	83.8	110	ug/Kg
218-01-9	Chrysene	220		56	83.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	74.2	U	74.2	83.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	79.3	U	79.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	260		51.8	83.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	94	J	56.8	83.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	220		60.8	83.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	99.6	J	69	83.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	62.2	U	62.2	83.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	J	59.7	83.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.7	U	57.7	83.8	110	ug/Kg
123-91-1	1,4-Dioxane	75.5	U	75.5	83.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.5	U	53.5	83.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	58.2	U	58.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.933		18-112		59	SPK: -150
13127-88-3	Phenol-d6	86.613		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	60.839		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	60.21		20-109		60	SPK: -100
118-79-6	2,4,6-Tribromophenol	68.184		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	44.254		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125989	6.793				
1146-65-2	Naphthalene-d8	503181	8.069				
15067-26-2	Acenaphthene-d10	238158	9.828				
1517-22-2	Phenanthrene-d10	357100	11.316				
1719-03-5	Chrysene-d12	229649	13.969				
1520-96-3	Perylene-d12	258509	15.451				

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	TP-35	SDG No.:	BF121123
Lab Sample ID:	O5671-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7
Sample Wt/Vol:	50.02	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
BF136503.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	350	J			2.116	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.034	
000770-35-4	1-Phenoxypropan-2-ol	44.9	J			8.387	
	unknown9.933	740	J			9.933	
000610-48-0	Anthracene, 1-methyl-	47.5	J			11.822	
002531-84-2	Phenanthrene, 2-methyl-	81.9	J			11.851	
000203-64-5	4H-Cyclopenta[def]phenanthrene	70.5	J			11.933	
000084-65-1	9,10-Anthracenedione	43.4	J			12.139	
	unknown14.839	59.3	J			14.839	
000192-97-2	Benzo[e]pyrene	46.4	J			15.127	
000198-55-0	Perylene	190	J			15.321	

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	SU-04-120623	SDG No.:	BF121123
Lab Sample ID:	O5659-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
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
BF136504.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.2	U	51.2	180	220	ug/Kg
110-86-1	Pyridine	48	U	48	86.1	110	ug/Kg
100-52-7	Benzaldehyde	98.1	U	98.1	180	220	ug/Kg
62-53-3	Aniline	77.5	U	77.5	86.1	110	ug/Kg
108-95-2	Phenol	49.3	U	49.3	86.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.5	U	59.5	86.1	110	ug/Kg
95-57-8	2-Chlorophenol	47.7	U	47.7	86.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.1	U	54.1	86.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.6	U	58.6	86.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.6	U	54.6	86.1	110	ug/Kg
100-51-6	Benzyl Alcohol	65.5	U	65.5	180	220	ug/Kg
95-48-7	2-Methylphenol	75.5	U	75.5	86.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	69.6	U	69.6	86.1	110	ug/Kg
98-86-2	Acetophenone	57.4	U	57.4	86.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	71.6	U	71.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.1	U	39.1	53	53	ug/Kg
67-72-1	Hexachloroethane	48.8	U	48.8	86.1	110	ug/Kg
98-95-3	Nitrobenzene	49.8	U	49.8	86.1	110	ug/Kg
78-59-1	Isophorone	45.1	U	45.1	86.1	110	ug/Kg
88-75-5	2-Nitrophenol	63	U	63	86.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66	U	66	86.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	74.2	U	74.2	86.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.7	U	51.7	86.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.4	U	51.4	86.1	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.9	U	53.9	86.1	110	ug/Kg
106-47-8	4-Chloroaniline	69.6	U	69.6	86.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.7	U	55.7	86.1	110	ug/Kg
105-60-2	Caprolactam	77.5	U	77.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.7	U	54.7	86.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.9	U	62.9	86.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	SU-04-120623	SDG No.:	BF121123
Lab Sample ID:	O5659-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
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
BF136504.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

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	51.1	U	51.1	86.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.2	U	58.2	86.1	110	ug/Kg
92-52-4	1,1-Biphenyl	60.5	U	60.5	86.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.1	U	56.1	86.1	110	ug/Kg
88-74-4	2-Nitroaniline	65.8	U	65.8	86.1	110	ug/Kg
131-11-3	Dimethylphthalate	58.9	U	58.9	86.1	110	ug/Kg
208-96-8	Acenaphthylene	58.6	U	58.6	86.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.6	U	59.6	86.1	110	ug/Kg
99-09-2	3-Nitroaniline	61.9	U	61.9	86.1	110	ug/Kg
83-32-9	Acenaphthene	53.2	U	53.2	86.1	110	ug/Kg
Total PAH	Total PAH	952.2	U	952.2	86.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.5	U	75.5	180	220	ug/Kg
132-64-9	Dibenzofuran	51	U	51	86.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	125.8	U	125.8	86.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.2	U	66.2	86.1	110	ug/Kg
84-66-2	Diethylphthalate	56.9	U	56.9	86.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.9	U	59.9	86.1	110	ug/Kg
86-73-7	Fluorene	56.2	U	56.2	86.1	110	ug/Kg
100-01-6	4-Nitroaniline	68.9	U	68.9	86.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.2	U	58.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.8	U	61.8	86.1	110	ug/Kg
103-33-3	Azobenzene	48.7	U	48.7	86.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.5	U	64.5	86.1	110	ug/Kg
118-74-1	Hexachlorobenzene	65.5	U	65.5	86.1	110	ug/Kg
1912-24-9	Atrazine	63.2	U	63.2	86.1	110	ug/Kg
87-86-5	Pentachlorophenol	73.5	U	73.5	180	220	ug/Kg
85-01-8	Phenanthrene	61.4	U	61.4	86.1	110	ug/Kg
120-12-7	Anthracene	67.6	U	67.6	86.1	110	ug/Kg
86-74-8	Carbazole	56.3	U	56.3	86.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.9	U	68.9	86.1	110	ug/Kg
206-44-0	Fluoranthene	62.5	U	62.5	86.1	110	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	SU-04-120623	SDG No.:	BF121123
Lab Sample ID:	O5659-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
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
BF136504.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

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	55.5	U	55.5	86.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	68.2	U	68.2	86.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	55.6	U	55.6	86.1	110	ug/Kg
218-01-9	Chrysene	57.5	U	57.5	86.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.2	U	76.2	86.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	81.5	U	81.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.2	U	53.2	86.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.4	U	58.4	86.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.5	U	62.5	86.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.9	U	70.9	86.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.9	U	63.9	86.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61.3	U	61.3	86.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.2	U	59.2	86.1	110	ug/Kg
123-91-1	1,4-Dioxane	77.5	U	77.5	86.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.9	U	54.9	86.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.8	U	59.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.908		18-112		59	SPK: -150
13127-88-3	Phenol-d6	83.13		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	62.576		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	70.003		20-109		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.537		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	48.309		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114591	6.793				
1146-65-2	Naphthalene-d8	420134	8.069				
15067-26-2	Acenaphthene-d10	178192	9.828				
1517-22-2	Phenanthrene-d10	288581	11.316				
1719-03-5	Chrysene-d12	238964	13.969				
1520-96-3	Perylene-d12	209057	15.457				



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Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	SU-04-120623	SDG No.:	BF121123
Lab Sample ID:	O5659-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136504.D	1	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	47.3	J			2.199	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A			5.034	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	52.3	J			10.751	
000057-10-3	n-Hexadecanoic acid	280	J			11.857	
016106-03-9	7,10-Hexadecadienoic acid, methyl	49.5	J			12.41	
000057-11-4	Octadecanoic acid	130	J			12.645	
013849-96-2	17.alpha.(H),21.beta.(H)-Hopane	320	J			16.174	
	unknown16.621	270	J			16.621	

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	OK-01-120623	SDG No.:	BF121123
Lab Sample ID:	O5661-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136505.D	10	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	500	U	500	1700	2100	ug/Kg
110-86-1	Pyridine	470	U	470	840	1100	ug/Kg
100-52-7	Benzaldehyde	960	U	960	1700	2100	ug/Kg
62-53-3	Aniline	760	U	760	840	1100	ug/Kg
108-95-2	Phenol	480	U	480	840	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	580	U	580	840	1100	ug/Kg
95-57-8	2-Chlorophenol	470	U	470	840	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	530	U	530	840	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	570	U	570	840	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	530	U	530	840	1100	ug/Kg
100-51-6	Benzyl Alcohol	640	U	640	1700	2100	ug/Kg
95-48-7	2-Methylphenol	740	U	740	840	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	680	U	680	840	1100	ug/Kg
98-86-2	Acetophenone	560	U	560	840	1100	ug/Kg
65794-96-9	3+4-Methylphenols	700	U	700	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	380	U	380	520	520	ug/Kg
67-72-1	Hexachloroethane	480	U	480	840	1100	ug/Kg
98-95-3	Nitrobenzene	490	U	490	840	1100	ug/Kg
78-59-1	Isophorone	440	U	440	840	1100	ug/Kg
88-75-5	2-Nitrophenol	610	U	610	840	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	640	U	640	840	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	720	U	720	840	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	500	U	500	840	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	500	840	1100	ug/Kg
65-85-0	Benzoic acid	1400	U	1400	1700	2100	ug/Kg
91-20-3	Naphthalene	530	U	530	840	1100	ug/Kg
106-47-8	4-Chloroaniline	680	U	680	840	1100	ug/Kg
87-68-3	Hexachlorobutadiene	540	U	540	840	1100	ug/Kg
105-60-2	Caprolactam	760	U	760	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	530	U	530	840	1100	ug/Kg
91-57-6	2-Methylnaphthalene	610	U	610	840	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	OK-01-120623	SDG No.:	BF121123
Lab Sample ID:	O5661-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136505.D	10	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400	U	1400	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	500	U	500	840	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	570	U	570	840	1100	ug/Kg
92-52-4	1,1-Biphenyl	590	U	590	840	1100	ug/Kg
91-58-7	2-Chloronaphthalene	550	U	550	840	1100	ug/Kg
88-74-4	2-Nitroaniline	640	U	640	840	1100	ug/Kg
131-11-3	Dimethylphthalate	570	U	570	840	1100	ug/Kg
208-96-8	Acenaphthylene	570	U	570	840	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	580	U	580	840	1100	ug/Kg
99-09-2	3-Nitroaniline	600	U	600	840	1100	ug/Kg
83-32-9	Acenaphthene	520	U	520	840	1100	ug/Kg
Total PAH	Total PAH	9290	U	9290	840	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	740	U	740	1700	2100	ug/Kg
132-64-9	Dibenzofuran	500	U	500	840	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	650	U	650	840	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	1230	840	2200	ug/Kg
84-66-2	Diethylphthalate	560	U	560	840	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	580	U	580	840	1100	ug/Kg
86-73-7	Fluorene	550	U	550	840	1100	ug/Kg
100-01-6	4-Nitroaniline	670	U	670	840	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	570	U	570	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	600	U	600	840	1100	ug/Kg
103-33-3	Azobenzene	480	U	480	840	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	630	U	630	840	1100	ug/Kg
118-74-1	Hexachlorobenzene	640	U	640	840	1100	ug/Kg
1912-24-9	Atrazine	620	U	620	840	1100	ug/Kg
87-86-5	Pentachlorophenol	720	U	720	1700	2100	ug/Kg
85-01-8	Phenanthrene	600	U	600	840	1100	ug/Kg
120-12-7	Anthracene	660	U	660	840	1100	ug/Kg
86-74-8	Carbazole	550	U	550	840	1100	ug/Kg
84-74-2	Di-n-butylphthalate	670	U	670	840	1100	ug/Kg
206-44-0	Fluoranthene	610	U	610	840	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	OK-01-120623	SDG No.:	BF121123
Lab Sample ID:	O5661-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136505.D	10	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200	U	1200	1700	2100	ug/Kg
129-00-0	Pyrene	540	U	540	840	1100	ug/Kg
85-68-7	Butylbenzylphthalate	670	U	670	840	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000	U	1000	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	540	U	540	840	1100	ug/Kg
218-01-9	Chrysene	560	U	560	840	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	740	U	740	840	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	800	U	800	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	520	U	520	840	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	570	U	570	840	1100	ug/Kg
50-32-8	Benzo(a)pyrene	610	U	610	840	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	690	U	690	840	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	620	U	620	840	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	600	U	600	840	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	580	U	580	840	1100	ug/Kg
123-91-1	1,4-Dioxane	760	U	760	840	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	540	U	540	840	1100	ug/Kg
90-12-0	1-Methylnaphthalene	580	U	580	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.1		18-112		77	SPK: -150
13127-88-3	Phenol-d6	107.3		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	76.06		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	92.93		20-109		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.67		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	68.27		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102554	6.793				
1146-65-2	Naphthalene-d8	368006	8.069				
15067-26-2	Acenaphthene-d10	162820	9.828				
1517-22-2	Phenanthrene-d10	280309	11.316				
1719-03-5	Chrysene-d12	223029	13.975				
1520-96-3	Perylene-d12	187890	15.451				



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Report of Analysis

Client:		Date Collected:	12/6/2023 12:00:00 AM
Project:		Date Received:	12/6/2023 12:00:00 AM
Client Sample ID:	OK-01-120623	SDG No.:	BF121123
Lab Sample ID:	O5661-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	50.07	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
BF136505.D	10	12/7/2023 12:00:00 AM	12/11/2023 12:00:00 AM	PB157609

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

SW-846

SDG No.: BF121123

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-110								
O5551-01	MW-110	Water	1-Tricosene	*	2.800	J		
O5551-01	MW-110	Water	2-Pentanone, 4-hydroxy-4-methyl	*	15.500	A		
O5551-01	MW-110	Water	Butane, 2-methoxy-2-methyl-	*	79.800	J		
O5551-01	MW-110	Water	Diethyltoluamide	*	7.600	J		
O5551-01	MW-110	Water	Glycine, N-methyl-N-methoxycar	*	3.300	J		
O5551-01	MW-110	Water	n-Hexadecanoic acid	*	4.700	J		
O5551-01	MW-110	Water	Octadecanoic acid	*	3.200	J		
Total Tics :					116.90			
Total Concentration:					116.90			
Client ID : SU-04-120623								
O5659-01	SU-04-120623	Solid	17.alpha.(H),21.beta.(H)-Hopane	*	320.000	J		
O5659-01	SU-04-120623	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	A		
O5659-01	SU-04-120623	Solid	7,10-Hexadecadienoic acid, methy	*	49.500	J		
O5659-01	SU-04-120623	Solid	n-Hexadecanoic acid	*	280.000	J		
O5659-01	SU-04-120623	Solid	Octadecanoic acid	*	130.000	J		
O5659-01	SU-04-120623	Solid	Pentadecane, 2,6,10-trimethyl-	*	52.300	J		
O5659-01	SU-04-120623	Solid	Propane, 1,1-dimethoxy-	*	47.300	J		
O5659-01	SU-04-120623	Solid	unknown16.621	*	270.000	J		
Total Tics :					1,419.10			
Total Concentration:					1,419.10			
Client ID : TP-34								
O5671-01	TP-34	Solid	1-Phenoxypropan-2-ol	*	54.000	J		
O5671-01	TP-34	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	450.000	A		
O5671-01	TP-34	Solid	Butane, 2-methoxy-2-methyl-	*	700.000	J		
O5671-01	TP-34	Solid	n-Hexadecanoic acid	*	93.300	J		
O5671-01	TP-34	Solid	Trichloroacetic acid, hexadecyl es	*	47.900	J		
Total Tics :					1,345.20			
Total Concentration:					1,345.20			
Client ID : TP-35								
O5671-05	TP-35	Solid	1-Phenoxypropan-2-ol	*	44.900	J		
O5671-05	TP-35	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	A		
O5671-05	TP-35	Solid	4H-Cyclopenta[def]phenanthrene	*	70.500	J		
O5671-05	TP-35	Solid	9,10-Anthracenedione	*	43.400	J		
O5671-05	TP-35	Solid	Anthracene, 1-methyl-	*	47.500	J		
O5671-05	TP-35	Solid	Benzo[e]pyrene	*	46.400	J		
O5671-05	TP-35	Solid	Butane, 2-methoxy-2-methyl-	*	350.000	J		
O5671-05	TP-35	Solid	Perylene	*	190.000	J		
O5671-05	TP-35	Solid	Phenanthrene, 2-methyl-	*	81.900	J		

Hit Summary Sheet SW-846

SDG No.: BF121123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5671-05	TP-35	Solid	unknown14.839	*	59.300	J		
O5671-05	TP-35	Solid	unknown9.933	*	740.000	J		
Total Tics :				1,953.90				
O5671-05	TP-35	Solid	Benzo(a)anthracene	210.000		54.1	110	ug/Kg
O5671-05	TP-35	Solid	Benzo(a)pyrene	220.000		60.8	110	ug/Kg
O5671-05	TP-35	Solid	Benzo(b)fluoranthene	260.000		51.8	110	ug/Kg
O5671-05	TP-35	Solid	Benzo(g,h,i)perylene	100.000	J	59.7	110	ug/Kg
O5671-05	TP-35	Solid	Benzo(k)fluoranthene	94.000	J	56.8	110	ug/Kg
O5671-05	TP-35	Solid	Chrysene	220.000		56	110	ug/Kg
O5671-05	TP-35	Solid	Fluoranthene	390.000		60.9	110	ug/Kg
O5671-05	TP-35	Solid	Indeno(1,2,3-cd)pyrene	99.600	J	69	110	ug/Kg
O5671-05	TP-35	Solid	Phenanthrene	310.000		59.8	110	ug/Kg
O5671-05	TP-35	Solid	Pyrene	320.000		54	110	ug/Kg
Total Svoc :				2,223.60				
Total Concentration:				4,177.50				

Client ID : SP-LINDEN

O5691-01	SP-LINDEN	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	A		
O5691-01	SP-LINDEN	Solid	Butane, 2-methoxy-2-methyl-	*	510.000	J		
O5691-01	SP-LINDEN	Solid	Cyclononasiloxane, octadecameth	*	53.600	J		
O5691-01	SP-LINDEN	Solid	Dotriacontane, 1-iodo-	*	51.400	J		
O5691-01	SP-LINDEN	Solid	Heptasiloxane, hexadecamethyl-	*	83.100	J		
O5691-01	SP-LINDEN	Solid	Hexasiloxane, tetradecamethyl-	*	60.100	J		
O5691-01	SP-LINDEN	Solid	n-Hexadecanoic acid	*	120.000	J		
O5691-01	SP-LINDEN	Solid	Octacosane	*	64.100	J		
O5691-01	SP-LINDEN	Solid	Octadecanoic acid	*	110.000	J		
O5691-01	SP-LINDEN	Solid	Trichloroacetic acid, tetradecyl e	*	62.100	J		
O5691-01	SP-LINDEN	Solid	unknown15.280	*	67.200	J		
O5691-01	SP-LINDEN	Solid	unknown15.786	*	92.400	J		
O5691-01	SP-LINDEN	Solid	unknown17.145	*	89.800	J		
O5691-01	SP-LINDEN	Solid	unknown18.062	*	85.700	J		
Total Tics :				1,579.50				
Total Concentration:				1,579.50				

Client ID : TT-FRACSEDIMENT-IDWSO-20231207

O5720-02	TT-FRACSEDIMENT-II Solid	Butane, 2-methoxy-2-methyl-	*	2,300.000	J			
O5720-02	TT-FRACSEDIMENT-II Solid	Hexasiloxane, tetradecamethyl-	*	230.000	J			
O5720-02	TT-FRACSEDIMENT-II Solid	unknown14.839	*	710.000	J			
O5720-02	TT-FRACSEDIMENT-II Solid	unknown15.274	*	250.000	J			
Total Tics :				3,490.00				
Total Concentration:				3,490.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF120523

SAS No.: BF120523

SDG No.: BF120523

Instrument ID: _____

Calibration Date(s): 12/5/2023 : _____

Calibration Time(s): 12:56 _____

LAB FILE ID:		RRF2.5 = BF136402.D			RRF005 = BF136403.D		RRF010 = BF136404.D	
		RRF020 = BF136405.D			RRF050 = BF136407.D		RRF040 = BF136408.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF040	RRF	% RSD
n-Nitrosodimethylamine		0.543	0.539	0.592	0.537	0.599	0.564	4.5
Pyridine		1.291	1.233	1.362	1.236	1.395	1.297	4.9
2-Fluorophenol		1.404	1.370	1.457	1.262	1.409	1.354	5.7
Benzaldehyde		1.111	1.029	1.039	0.737	0.910	0.896	18.9
Aniline		1.753	1.714	1.808	1.580	1.805	1.708	5.3
Phenol-d6		1.801	1.719	1.801	1.563	1.754	1.690	6.2
Phenol		1.935	1.805	1.915	1.681	1.875	1.798	6.5
bis(2-Chloroethyl)ether		1.421	1.374	1.412	1.236	1.383	1.340	5.7
2-Chlorophenol		1.568	1.493	1.574	1.377	1.534	1.478	5.8
1,2-Dichlorobenzene		1.703	1.606	1.703	1.459	1.640	1.586	6.6
1,3-Dichlorobenzene		1.759	1.670	1.750	1.542	1.729	1.663	5.3
1,4-Dichlorobenzene		1.765	1.715	1.762	1.567	1.749	1.687	5.0
Benzyl Alcohol		1.156	1.130	1.230	1.066	1.198	1.131	6.2
2-Methylphenol		1.189	1.223	1.273	1.115	1.257	1.194	5.1
2,2-oxybis(1-Chloropropane)		1.889	1.753	1.853	1.593	1.782	1.724	7.5
Acetophenone		0.523	0.501	0.515	0.465	0.511	0.494	5.0
3+4-Methylphenols		1.637	1.525	1.620	1.353	1.534	1.483	8.7
n-Nitroso-di-n-propylamine	0.947	1.081	0.993	1.033	0.898	1.020	0.975	7.0
Nitrobenzene-d5		0.385	0.361	0.385	0.350	0.389	0.370	4.4
Hexachloroethane		0.616	0.577	0.625	0.552	0.619	0.589	5.2
Nitrobenzene		0.385	0.363	0.383	0.354	0.388	0.372	3.6
Isophorone		0.681	0.663	0.687	0.623	0.697	0.665	3.9
2-Nitrophenol		0.175	0.178	0.188	0.176	0.197	0.183	4.3
2,4-Dimethylphenol		0.234	0.223	0.237	0.213	0.238	0.226	4.7
bis(2-Chloroethoxy)methane		0.423	0.410	0.428	0.387	0.424	0.408	4.3
2,4-Dichlorophenol		0.307	0.287	0.307	0.283	0.316	0.298	4.2
1,2,4-Trichlorobenzene		0.355	0.343	0.359	0.329	0.364	0.347	3.7
Benzoic acid		0.192	0.195	0.223	0.229	0.247	0.224	10.0
Naphthalene		1.171	1.106	1.148	1.032	1.151	1.103	5.1
4-Chloroaniline		0.395	0.397	0.416	0.361	0.417	0.393	5.3
Hexachlorobutadiene		0.214	0.209	0.213	0.191	0.215	0.206	4.6
Caprolactam		0.097	0.091	0.095	0.084	0.097	0.092	5.1
4-Chloro-3-methylphenol		0.324	0.313	0.330	0.298	0.333	0.316	4.4
2-Methylnaphthalene		0.764	0.699	0.734	0.661	0.725	0.702	6.0
Hexachlorocyclopentadiene			0.184	0.220	0.232	0.249	0.231	11.2
2,4,6-Trichlorophenol		0.401	0.395	0.426	0.390	0.424	0.405	3.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF120523

SAS No.: BF120523

SDG No.: BF120523

Instrument ID: _____

Calibration Date(s): 12/5/2023 : _____

Calibration Time(s): 12:56 _____

LAB FILE ID:		RRF2.5 = BF136402.D		RRF005 = BF136403.D		RRF010 = BF136404.D		
		RRF020 = BF136405.D		RRF050 = BF136407.D		RRF040 = BF136408.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF040	RRF	% RSD
2-Fluorobiphenyl		1.605	1.529	1.559	1.344	1.506	1.466	7.5
2,4,5-Trichlorophenol		0.445	0.442	0.483	0.427	0.476	0.452	4.4
1,1-Biphenyl		1.792	1.716	1.804	1.592	1.757	1.702	5.1
2-Chloronaphthalene		1.377	1.329	1.380	1.253	1.364	1.325	3.9
2-Nitroaniline		0.350	0.338	0.370	0.341	0.378	0.355	4.1
Dimethylphthalate		1.510	1.448	1.543	1.393	1.524	1.472	3.8
Acenaphthylene		1.990	1.891	2.003	1.773	1.954	1.887	5.3
2,6-Dinitrotoluene		0.335	0.321	0.345	0.315	0.347	0.331	3.7
3-Nitroaniline		0.341	0.332	0.356	0.316	0.356	0.338	4.3
Acenaphthene		1.298	1.218	1.285	1.121	1.250	1.209	6.0
2,4-Dinitrophenol			0.124	0.156	0.167	0.189	0.167	14.8
4-Nitrophenol		0.224	0.234	0.270	0.253	0.280	0.254	7.7
Dibenzofuran		1.924	1.803	1.858	1.642	1.822	1.766	6.6
2,4-Dinitrotoluene		0.435	0.430	0.460	0.413	0.463	0.438	4.4
Diethylphthalate		1.532	1.448	1.513	1.368	1.507	1.448	4.9
4-Chlorophenyl-phenylether		0.766	0.711	0.744	0.633	0.702	0.691	7.8
Fluorene		1.565	1.450	1.527	1.308	1.451	1.418	7.7
4-Nitroaniline		0.328	0.334	0.355	0.318	0.364	0.336	5.2
4,6-Dinitro-2-methylphenol		0.096	0.110	0.127	0.126	0.141	0.124	12.9
n-Nitrosodiphenylamine		0.683	0.642	0.664	0.602	0.654	0.642	4.5
Azobenzene		1.371	1.314	1.400	1.241	1.367	1.318	4.8
2,4,6-Tribromophenol		0.254	0.245	0.258	0.233	0.259	0.247	4.4
4-Bromophenyl-phenylether		0.240	0.228	0.242	0.219	0.243	0.233	4.2
Hexachlorobenzene		0.278	0.266	0.275	0.257	0.277	0.269	3.2
Atrazine		0.213	0.198	0.194	0.157	0.177	0.183	12.3
Pentachlorophenol		0.141	0.142	0.157	0.151	0.163	0.152	5.5
Phenanthrene		1.167	1.108	1.146	1.039	1.130	1.099	4.8
Anthracene		1.166	1.115	1.151	1.046	1.141	1.107	4.6
Carbazole		1.049	1.003	1.021	0.915	1.019	0.980	6.0
Di-n-butylphthalate		1.229	1.208	1.265	1.137	1.253	1.201	4.6
Fluoranthene		1.259	1.193	1.218	1.065	1.195	1.152	7.6
Benzidine	0.585	0.276	0.198	0.385	0.547	0.423	0.402	37.3
Pyrene		1.853	1.803	1.991	1.945	2.048	1.959	4.9
Terphenyl-d14		1.505	1.447	1.589	1.479	1.573	1.517	3.3
Butylbenzylphthalate		0.653	0.637	0.718	0.696	0.747	0.697	5.7
3,3-Dichlorobenzidine		0.404	0.410	0.409	0.382	0.396	0.391	4.9

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.: BF120523 SAS No.: BF120523 SDG No.: BF120523
Instrument ID: _____ Calibration Date(s): 12/5/2023 : _____
Calibration Time(s): 12:56 _____

LAB FILE ID:		RRF2.5 = BF136402.D			RRF005 = BF136403.D		RRF010 = BF136404.D	
		RRF020 = BF136405.D			RRF050 = BF136407.D		RRF040 = BF136408.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF040	RRF	% RSD
Benzo(a)anthracene		1.463	1.399	1.454	1.322	1.419	1.393	4.0
Chrysene		1.394	1.357	1.408	1.309	1.417	1.371	2.8
Bis(2-ethylhexyl)phthalate		0.775	0.791	0.869	0.858	0.914	0.855	6.2
Di-n-octyl phthalate		1.103	1.140	1.232	1.269	1.340	1.263	8.8
Benzo(b)fluoranthene		1.470	1.367	1.491	1.245	1.375	1.367	7.2
Benzo(k)fluoranthene		1.402	1.326	1.302	1.249	1.363	1.289	6.5
Benzo(a)pyrene		1.153	1.109	1.154	1.081	1.178	1.129	3.3
Indeno(1,2,3-cd)pyrene		1.175	1.176	1.377	1.459	1.535	1.389	11.1
Dibenzo(a,h)anthracene		0.967	0.984	1.129	1.188	1.251	1.138	10.4
Benzo(g,h,i)perylene		0.992	0.974	1.157	1.238	1.292	1.168	11.4
1,2,4,5-Tetrachlorobenzene		0.655	0.598	0.654	0.590	0.643	0.622	4.5
1,4-Dioxane		0.553	0.525	0.562	0.503	0.561	0.536	4.3
2,3,4,6-Tetrachlorophenol		0.378	0.355	0.386	0.343	0.381	0.362	5.3
1-Methylnaphthalene		0.748	0.702	0.716	0.645	0.714	0.689	6.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 11 2023 12:00AMLab File ID: BF136408.D Time Analyzed: 13:23Instrument 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	122220	6.804	499492	8.08	262580	9.84
	UPPER LIMIT	244440	7.304	998984	8.581	525160	10.339
	LOWER LIMIT	61110	6.304	249746	7.581	131290	9.339
	EPA SAMPLE NO.						
01	PB157455BL	137861	6.79	568220	8.07	308559	9.83
02	PB157455BS	131702	6.80	557058	8.08	299325	9.83
03	PB157390BL	109493	6.79	451578	8.07	235079	9.83
04	PB157390BS	129857	6.80	558008	8.08	295608	9.83
05	PB157390BSD	131126	6.80	558601	8.08	296819	9.83
06	PB157670BL	138011	6.79	582202	8.07	306373	9.83
07	PB157670BS	129323	6.80	545293	8.08	287258	9.83
08	SP-LINDEN	125680	6.79	511438	8.07	264782	9.83
09	MW-110	135648	6.79	547681	8.07	281868	9.83
10	MW-110MS	129014	6.79	523931	8.08	265681	9.83
11	MW-110MSD	134049	6.79	538713	8.08	277351	9.83
12	TP-34	119569	6.79	478924	8.07	252823	9.83
13	TP-35	122394	6.79	500202	8.07	261500	9.83
14	TT-FRACSEDIMENT-IDWSO-20231207	131922	6.79	530840	8.07	277798	9.83
15	TP-34	127791	6.79	511474	8.07	272837	9.83
16	E8965C-CC-001	123448	6.79	500700	8.07	265475	9.83
17	TP-35	125989	6.79	503181	8.07	238158	9.83
18	SU-04-120623	114591	6.79	420134	8.07	178192	9.83
19	OK-01-120623	102554	6.79	368006	8.07	162820	9.83

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123
 EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 11 2023 12:00AM
 Lab File ID: BF136408.D Time Analyzed: 23:00
 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	122220	6.804	499492	8.08	262580	9.84
UPPER LIMIT	244440	7.304	998984	8.581	525160	10.339
LOWER LIMIT	61110	6.304	249746	7.581	131290	9.339
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 11 2023 12:00AMLab File ID: BF136486.D Time Analyzed: 13:23Instrument 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	111193	6.798	447059	8.08	231038	9.83
	UPPER LIMIT	222386	7.298	894118	8.575	462076	10.333
	LOWER LIMIT	55596.5	6.298	223529.5	7.575	115519	9.333
	EPA SAMPLE NO.						
01	PB157455BL	137861	6.79	568220	8.07	308559	9.83
02	PB157455BS	131702	6.80	557058	8.08	299325	9.83
03	PB157390BL	109493	6.79	451578	8.07	235079	9.83
04	PB157390BS	129857	6.80	558008	8.08	295608	9.83
05	PB157390BSD	131126	6.80	558601	8.08	296819	9.83
06	PB157670BL	138011	6.79	582202	8.07	306373	9.83
07	PB157670BS	129323	6.80	545293	8.08	287258	9.83
08	SP-LINDEN	125680	6.79	511438	8.07	264782	9.83
09	MW-110	135648	6.79	547681	8.07	281868	9.83
10	MW-110MS	129014	6.79	523931	8.08	265681	9.83
11	MW-110MSD	134049	6.79	538713	8.08	277351	9.83
12	TP-34	119569	6.79	478924	8.07	252823	9.83
13	TP-35	122394	6.79	500202	8.07	261500	9.83
14	TT-FRACSEDIMENT-IDWSO-20231207	131922	6.79	530840	8.07	277798	9.83
15	TP-34	127791	6.79	511474	8.07	272837	9.83
16	E8965C-CC-001	123448	6.79	500700	8.07	265475	9.83
17	TP-35	125989	6.79	503181	8.07	238158	9.83
18	SU-04-120623	114591	6.79	420134	8.07	178192	9.83
19	OK-01-120623	102554	6.79	368006	8.07	162820	9.83

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 11 2023 12:00AM

Lab File ID: BF136486.D Time Analyzed: 23:00

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	111193	6.798	447059	8.08	231038	9.83
UPPER LIMIT	222386	7.298	894118	8.575	462076	10.333
LOWER LIMIT	55596.5	6.298	223529.5	7.575	115519	9.333
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 11 2023 12:00AM

Lab File ID: BF136408.D Time Analyzed: 13:23

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	499511	11.327	294765	13.98	235965	15.451
UPPER LIMIT	999022	11.827	589530	14.48	471930	15.951
LOWER LIMIT	249755.5	10.827	147382.5	13.48	117982.5	14.951
EPA SAMPLE NO.						
01 PB157455BL	604344	11.32	381667	13.97	278708	15.45
02 PB157455BS	555705	11.32	287768	13.98	233542	15.45
03 PB157390BL	472935	11.32	294323	13.97	225842	15.45
04 PB157390BS	552543	11.32	279416	13.98	237096	15.46
05 PB157390BSD	558367	11.32	287494	13.98	241454	15.45
06 PB157670BL	611465	11.32	391183	13.97	299705	15.45
07 PB157670BS	542183	11.32	291161	13.98	240494	15.45
08 SP-LINDEN	490468	11.32	253948	13.97	249195	15.45
09 MW-110	512873	11.32	258912	13.97	270727	15.45
10 MW-110MS	464973	11.32	230984	13.97	253005	15.45
11 MW-110MSD	477249	11.32	233581	13.97	265937	15.45
12 TP-34	468187	11.32	247034	13.97	235035	15.45
13 TP-35	487347	11.32	265988	13.97	260861	15.45
14 TT-FRACSEDIMENT-IDWSO-2023	523721	11.32	288873	13.97	271872	15.45
15 TP-34	506962	11.32	267223	13.97	256142	15.45
16 E8965C-CC-001	488051	11.32	260774	13.97	252290	15.45
17 TP-35	357100	11.32	229649	13.97	258509	15.45
18 SU-04-120623	288581	11.32	238964	13.97	209057	15.46
19 OK-01-120623	280309	11.32	223029	13.98	187890	15.45

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 11 2023 12:00AM

Lab File ID: BF136408.D Time Analyzed: 23:00

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	499511	11.327	294765	13.98	235965	15.451
UPPER LIMIT	999022	11.827	589530	14.48	471930	15.951
LOWER LIMIT	249755.5	10.827	147382.5	13.48	117982.5	14.951
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 11 2023 12:00AM

Lab File ID: BF136486.D Time Analyzed: 13:23

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	411285	11.322	204768	13.974	198534	15.451
UPPER LIMIT	822570	11.822	409536	14.474	397068	15.951
LOWER LIMIT	205642.5	10.822	102384	13.474	99267	14.951
EPA SAMPLE NO.						
01 PB157455BL	604344	11.32	381667	13.97	278708	15.45
02 PB157455BS	555705	11.32	287768	13.98	233542	15.45
03 PB157390BL	472935	11.32	294323	13.97	225842	15.45
04 PB157390BS	552543	11.32	279416	13.98	237096	15.46
05 PB157390BSD	558367	11.32	287494	13.98	241454	15.45
06 PB157670BL	611465	11.32	391183	13.97	299705	15.45
07 PB157670BS	542183	11.32	291161	13.98	240494	15.45
08 SP-LINDEN	490468	11.32	253948	13.97	249195	15.45
09 MW-110	512873	11.32	258912	13.97	270727	15.45
10 MW-110MS	464973	11.32	230984	13.97	253005	15.45
11 MW-110MSD	477249	11.32	233581	13.97	265937	15.45
12 TP-34	468187	11.32	247034	13.97	235035	15.45
13 TP-35	487347	11.32	265988	13.97	260861	15.45
14 TT-FRACSEDIMENT-IDWSO-2023	523721	11.32	288873	13.97	271872	15.45
15 TP-34	506962	11.32	267223	13.97	256142	15.45
16 E8965C-CC-001	488051	11.32	260774	13.97	252290	15.45
17 TP-35	357100	11.32	229649	13.97	258509	15.45
18 SU-04-120623	288581	11.32	238964	13.97	209057	15.46
19 OK-01-120623	280309	11.32	223029	13.98	187890	15.45

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121123 SAS No.: BF121123 SDG NO.: BF121123

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 11 2023 12:00AM

Lab File ID: BF136486.D Time Analyzed: 23:00

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	411285	11.322	204768	13.974	198534	15.451
UPPER LIMIT	822570	11.822	409536	14.474	397068	15.951
LOWER LIMIT	205642.5	10.822	102384	13.474	99267	14.951
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.: BF121123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157390BS	n-Nitrosodimethylamine	50	40.4	ug/L	81					55	108	
	Pyridine	50	31.3	ug/L	63					29	97	
	Benzaldehyde	50	23.1	ug/L	46					15	121	
	Aniline	50	27.9	ug/L	56					10	130	
	Phenol	50	40.6	ug/L	81					66	118	
	bis(2-Chloroethyl)ether	50	40.9	ug/L	82					62	103	
	2-Chlorophenol	50	42.3	ug/L	85					70	117	
	1,2-Dichlorobenzene	50	38.3	ug/L	77					72	102	
	1,3-Dichlorobenzene	50	37	ug/L	74					71	103	
	1,4-Dichlorobenzene	50	38.1	ug/L	76					76	103	
	Benzyl Alcohol	50	42.8	ug/L	86					36	93	
	2-Methylphenol	50	41.5	ug/L	83					69	109	
	2,2-oxybis(1-Chloropropane)	50	38	ug/L	76					52	103	
	Acetophenone	50	38.8	ug/L	78					60	104	
	3+4-Methylphenols	50	40.7	ug/L	81					67	106	
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80					57	107	
	Hexachloroethane	50	38.2	ug/L	76					76	118	
	Nitrobenzene	50	37.4	ug/L	75					58	106	
	Isophorone	50	38.6	ug/L	77					61	102	
	2-Nitrophenol	50	41.5	ug/L	83					70	115	
	2,4-Dimethylphenol	50	51.6	ug/L	103					67	130	
	bis(2-Chloroethoxy)methane	50	38.4	ug/L	77					58	109	
	2,4-Dichlorophenol	50	40.3	ug/L	81					66	115	
	1,2,4-Trichlorobenzene	50	37.3	ug/L	75					41	115	
	Benzoic acid	50	41.8	ug/L	84					10	125	
	Naphthalene	50	37.4	ug/L	75					64	107	
	4-Chloroaniline	50	24.8	ug/L	50					10	85	
	Hexachlorobutadiene	50	36.2	ug/L	72					69	101	
	Caprolactam	50	42.4	ug/L	85					58	128	
	4-Chloro-3-methylphenol	50	41.7	ug/L	83					65	114	
	2-Methylnaphthalene	50	38	ug/L	76					64	107	
	Hexachlorocyclopentadiene	100	91.9	ug/L	92					36	160	
	2,4,6-Trichlorophenol	50	40.8	ug/L	82					61	110	
	2,4,5-Trichlorophenol	50	39.5	ug/L	79					70	106	
	1,1-Biphenyl	50	38.2	ug/L	76					72	98	
	2-Chloronaphthalene	50	37.9	ug/L	76					59	106	
	2-Nitroaniline	50	40.1	ug/L	80					58	107	
	Dimethylphthalate	50	40	ug/L	80					64	103	
	Acenaphthylene	50	40.5	ug/L	81					65	108	
	2,6-Dinitrotoluene	50	39.8	ug/L	80					64	110	
	3-Nitroaniline	50	31.4	ug/L	63					28	100	
	Acenaphthene	50	38.2	ug/L	76					59	113	
	Total PAH	800	680.2	ug/L	85					59	113	
	2,4-Dinitrophenol	100	87.4	ug/L	87					64	132	
	4-Nitrophenol	100	82.9	ug/L	83					68	116	
	Dibenzofuran	50	38.6	ug/L	77					65	106	



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

SDG No.: BF121123

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157390BS	2,4-Dinitrotoluene/2,6-Dinitro	100	79.2	ug/L	79				60	115	
	2,4-Dinitrotoluene	50	39.4	ug/L	79				60	115	
	Diethylphthalate	50	38.9	ug/L	78				63	105	
	4-Chlorophenyl-phenylether	50	38.6	ug/L	77				61	104	
	Fluorene	50	38.2	ug/L	76				64	107	
	4-Nitroaniline	50	39	ug/L	78				69	112	
	4,6-Dinitro-2-methylphenol	50	42.7	ug/L	85				62	132	
	N-Nitrosodiphenylamine	50	40.9	ug/L	82				61	109	
	Azobenzene	50	37.5	ug/L	75				59	106	
	4-Bromophenyl-phenylether	50	39.4	ug/L	79				73	103	
	Hexachlorobenzene	50	38	ug/L	76				73	106	
	Atrazine	50	40.1	ug/L	80				76	120	
	Pentachlorophenol	100	66	ug/L	66				47	114	
	Phenanthrene	50	40.1	ug/L	80				62	109	
	Anthracene	50	40	ug/L	80				65	110	
	Carbazole	50	38.9	ug/L	78				62	106	
	Di-n-butylphthalate	50	38	ug/L	76				64	106	
	Fluoranthene	50	37	ug/L	74				64	110	
	Benzidine	100	15.7	ug/L	16				10	94	
	Pyrene	50	43.1	ug/L	86				71	103	
	Butylbenzylphthalate	50	42.2	ug/L	84				61	105	
	3,3-Dichlorobenzidine	50	40.7	ug/L	81				43	108	
	Benzo(a)anthracene	50	41.3	ug/L	83				62	107	
	Chrysene	50	39.6	ug/L	79				61	108	
	bis(2-Ethylhexyl)phthalate	50	39.6	ug/L	79				59	110	
	Di-n-octyl phthalate	50	39.4	ug/L	79				67	126	
	Benzo(b)fluoranthene	50	45.3	ug/L	91				77	113	
	Benzo(k)fluoranthene	50	40.8	ug/L	82				64	113	
	Benzo(a)pyrene	50	46	ug/L	92				72	131	
	Indeno(1,2,3-cd)pyrene	50	50.7	ug/L	101				72	105	
	Dibenz(a,h)anthracene	50	51.4	ug/L	103				78	115	
	Benzo(g,h,i)perylene	50	50.6	ug/L	101				75	118	
	1,2,4,5-Tetrachlorobenzene	50	39	ug/L	78				72	101	
	1,4-Dioxane	50	31.5	ug/L	63				38	125	
	2,3,4,6-Tetrachlorophenol	50	42.8	ug/L	86				63	116	
	1-Methylnaphthalene	50	37	ug/L	74				51	114	
PB157390BSD	n-Nitrosodimethylamine	50	40.6	ug/L	81	0			55	108	20
	Pyridine	50	31.4	ug/L	63	0			29	97	20
	Benzaldehyde	50	22.9	ug/L	46	1			15	121	20
	Aniline	50	27.9	ug/L	56	0			10	130	20
	Phenol	50	40	ug/L	80	1			66	118	20
	bis(2-Chloroethyl)ether	50	40.7	ug/L	81	0			62	103	20
	2-Chlorophenol	50	42.2	ug/L	84	0			70	117	20
	1,2-Dichlorobenzene	50	38.4	ug/L	77	0			72	102	20
	1,3-Dichlorobenzene	50	37.4	ug/L	75	1			71	103	20
	1,4-Dichlorobenzene	50	37.8	ug/L	76	1			76	103	20



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

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB157390BSD	Benzyl Alcohol	50	42.3	ug/L	85	1			36	93	20
	2-Methylphenol	50	42.5	ug/L	85	2			69	109	20
	2,2-oxybis(1-Chloropropane)	50	37.6	ug/L	75	1			52	103	20
	Acetophenone	50	39.1	ug/L	78	1			60	104	20
	3+4-Methylphenols	50	40.9	ug/L	82	0			67	106	20
	N-Nitroso-di-n-propylamine	50	39.7	ug/L	79	1			57	107	20
	Hexachloroethane	50	37.6	ug/L	75	2	*		76	118	20
	Nitrobenzene	50	37.1	ug/L	74	1			58	106	20
	Isophorone	50	38.8	ug/L	78	1			61	102	20
	2-Nitrophenol	50	41.6	ug/L	83	0			70	115	20
	2,4-Dimethylphenol	50	52.1	ug/L	104	1			67	130	20
	bis(2-Chloroethoxy)methane	50	38.8	ug/L	78	1			58	109	20
	2,4-Dichlorophenol	50	41.3	ug/L	83	2			66	115	20
	1,2,4-Trichlorobenzene	50	38.1	ug/L	76	2			41	115	20
	Benzoic acid	50	41.2	ug/L	82	1			10	125	20
	Naphthalene	50	37.8	ug/L	76	1			64	107	20
	4-Chloroaniline	50	25.2	ug/L	50	2			10	85	20
	Hexachlorobutadiene	50	35.9	ug/L	72	1			69	101	20
	Caprolactam	50	42.7	ug/L	85	1			58	128	20
	4-Chloro-3-methylphenol	50	41.4	ug/L	83	1			65	114	20
	2-Methylnaphthalene	50	38.3	ug/L	77	1			64	107	20
	Hexachlorocyclopentadiene	100	92.3	ug/L	92	0			36	160	20
	2,4,6-Trichlorophenol	50	40.8	ug/L	82	0			61	110	20
	2,4,5-Trichlorophenol	50	39.6	ug/L	79	0			70	106	20
	1,1-Biphenyl	50	38.1	ug/L	76	0			72	98	20
	2-Chloronaphthalene	50	37.7	ug/L	75	1			59	106	20
	2-Nitroaniline	50	40.7	ug/L	81	1			58	107	20
	Dimethylphthalate	50	40.2	ug/L	80	0			64	103	20
	Acenaphthylene	50	40.3	ug/L	81	0			65	108	20
	2,6-Dinitrotoluene	50	39.7	ug/L	79	0			64	110	20
	3-Nitroaniline	50	32.6	ug/L	65	4			28	100	20
	Acenaphthene	50	38.4	ug/L	77	1			59	113	20
	Total PAH	800	679.8	ug/L	85	0			59	113	20
	2,4-Dinitrophenol	100	88.6	ug/L	89	1			64	132	20
	4-Nitrophenol	100	85.6	ug/L	86	3			68	116	20
	Dibenzofuran	50	39.4	ug/L	79	2			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	78.7	ug/L	79	1			60	115	20
	2,4-Dinitrotoluene	50	39	ug/L	78	1			60	115	20
	Diethylphthalate	50	38.9	ug/L	78	0			63	105	20
	4-Chlorophenyl-phenylether	50	38.1	ug/L	76	1			61	104	20
	Fluorene	50	38.2	ug/L	76	0			64	107	20
	4-Nitroaniline	50	39.1	ug/L	78	0			69	112	20
	4,6-Dinitro-2-methylphenol	50	42.7	ug/L	85	0			62	132	20
	N-Nitrosodiphenylamine	50	40.8	ug/L	82	0			61	109	20
	Azobenzene	50	37.9	ug/L	76	1			59	106	20
	4-Bromophenyl-phenylether	50	39.4	ug/L	79	0			73	103	20



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

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB157390BSD	Hexachlorobenzene	50	38.4	ug/L	77	1			73	106	20
	Atrazine	50	39.8	ug/L	80	1			76	120	20
	Pentachlorophenol	100	66.6	ug/L	67	1			47	114	20
	Phenanthrene	50	39.7	ug/L	79	1			62	109	20
	Anthracene	50	39.5	ug/L	79	1			65	110	20
	Carbazole	50	39.1	ug/L	78	1			62	106	20
	Di-n-butylphthalate	50	37.7	ug/L	75	1			64	106	20
	Fluoranthene	50	37.4	ug/L	75	1			64	110	20
	Benzidine	100	17.6	ug/L	18	11			10	94	20
	Pyrene	50	42.9	ug/L	86	0			71	103	20
	Butylbenzylphthalate	50	41.5	ug/L	83	2			61	105	20
	3,3-Dichlorobenzidine	50	41.3	ug/L	83	1			43	108	20
	Benzo(a)anthracene	50	42	ug/L	84	2			62	107	20
	Chrysene	50	40	ug/L	80	1			61	108	20
	bis(2-Ethylhexyl)phthalate	50	40.9	ug/L	82	3			59	110	20
	Di-n-octyl phthalate	50	40.3	ug/L	81	2			67	126	20
	Benzo(b)fluoranthene	50	43.2	ug/L	86	5			77	113	20
	Benzo(k)fluoranthene	50	45.1	ug/L	90	10			64	113	20
	Benzo(a)pyrene	50	45.5	ug/L	91	1			72	131	20
	Indeno(1,2,3-cd)pyrene	50	49.9	ug/L	100	2			72	105	20
	Dibenz(a,h)anthracene	50	50.8	ug/L	102	1			78	115	20
	Benzo(g,h,i)perylene	50	49.1	ug/L	98	3			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	39.3	ug/L	79	1			72	101	20
	1,4-Dioxane	50	31.1	ug/L	62	1			38	125	20
	2,3,4,6-Tetrachlorophenol	50	42.9	ug/L	86	0			63	116	20
	1-Methylnaphthalene	50	37.1	ug/L	74	0			51	114	20



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

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157455BS	n-Nitrosodimethylamine	50	39.3	ug/L	79				55	108		
	Pyridine	50	27.5	ug/L	55				29	97		
	Benzaldehyde	50		ug/L			*		15	121		
	Aniline	50	14.1	ug/L	28				10	130		
	Phenol	50	39.9	ug/L	80				66	118		
	bis(2-Chloroethyl)ether	50	40.5	ug/L	81				62	103		
	2-Chlorophenol	50	42	ug/L	84				70	117		
	1,2-Dichlorobenzene	50	38.5	ug/L	77				72	102		
	1,3-Dichlorobenzene	50	37.2	ug/L	74				71	103		
	1,4-Dichlorobenzene	50	38	ug/L	76				76	103		
	Benzyl Alcohol	50	42.5	ug/L	85				36	93		
	2-Methylphenol	50	41.9	ug/L	84				69	109		
	2,2-oxybis(1-Chloropropane)	50	37.6	ug/L	75				52	103		
	Acetophenone	50	39.7	ug/L	79				60	104		
	3+4-Methylphenols	50	41.1	ug/L	82				67	106		
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80				57	107		
	Hexachloroethane	50	38.2	ug/L	76				76	118		
	Nitrobenzene	50	36.7	ug/L	73				58	106		
	Isophorone	50	39.1	ug/L	78				61	102		
	2-Nitrophenol	50	42.2	ug/L	84				70	115		
	2,4-Dimethylphenol	50	56.9	ug/L	114				67	130		
	bis(2-Chloroethoxy)methane	50	39.6	ug/L	79				58	109		
	2,4-Dichlorophenol	50	41.1	ug/L	82				66	115		
	1,2,4-Trichlorobenzene	50	38	ug/L	76				41	115		
	Benzoic acid	50	41.8	ug/L	84				10	125		
	Naphthalene	50	38	ug/L	76				64	107		
	4-Chloroaniline	50	16.4	ug/L	33				10	85		
	Hexachlorobutadiene	50	35.9	ug/L	72				69	101		
	Caprolactam	50	44	ug/L	88				58	128		
	4-Chloro-3-methylphenol	50	41.9	ug/L	84				65	114		
	2-Methylnaphthalene	50	38.8	ug/L	78				64	107		
	Hexachlorocyclopentadiene	100	94.5	ug/L	95				36	160		
	2,4,6-Trichlorophenol	50	40	ug/L	80				61	110		
	2,4,5-Trichlorophenol	50	39.1	ug/L	78				70	106		
	1,1-Biphenyl	50	38.5	ug/L	77				72	98		
	2-Chloronaphthalene	50	37.6	ug/L	75				59	106		
	2-Nitroaniline	50	40.1	ug/L	80				58	107		
	Dimethylphthalate	50	39.9	ug/L	80				64	103		
	Acenaphthylene	50	38.8	ug/L	78				65	108		
	2,6-Dinitrotoluene	50	40.4	ug/L	81				64	110		
	3-Nitroaniline	50	28.1	ug/L	56				28	100		
	Acenaphthene	50	38.8	ug/L	78				59	113		
	Total PAH	800	693.4	ug/L	87				59	113		
	2,4-Dinitrophenol	100	88.9	ug/L	89				64	132		
	4-Nitrophenol	100	83.6	ug/L	84				68	116		
	Dibenzofuran	50	38.7	ug/L	77				65	106		



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

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157455BS	2,4-Dinitrotoluene	50	39.4	ug/L	79				60	115		
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	79.8	ug/L	80				60	115		
	Diethylphthalate	50	39.5	ug/L	79				63	105		
	4-Chlorophenyl-phenylether	50	38.7	ug/L	77				61	104		
	Fluorene	50	38.3	ug/L	77				64	107		
	4-Nitroaniline	50	39.6	ug/L	79				69	112		
	4,6-Dinitro-2-methylphenol	50	45.1	ug/L	90				62	132		
	N-Nitrosodiphenylamine	50	41.5	ug/L	83				61	109		
	Azobenzene	50	38	ug/L	76				59	106		
	4-Bromophenyl-phenylether	50	39.8	ug/L	80				73	103		
	Hexachlorobenzene	50	39	ug/L	78				73	106		
	Atrazine	50	5	ug/L	10		*		76	120		
	Pentachlorophenol	100	70.8	ug/L	71				47	114		
	Phenanthrene	50	41.1	ug/L	82				62	109		
	Anthracene	50	40.3	ug/L	81				65	110		
	Carbazole	50	40	ug/L	80				62	106		
	Di-n-butylphthalate	50	39.4	ug/L	79				64	106		
	Fluoranthene	50	38.1	ug/L	76				64	110		
	Benzidine	100	7.2	ug/L	7		*		10	94		
	Pyrene	50	43.1	ug/L	86				71	103		
	Butylbenzylphthalate	50	42.4	ug/L	85				61	105		
	3,3-Dichlorobenzidine	50	37.2	ug/L	74				43	108		
	Benzo(a)anthracene	50	41.1	ug/L	82				62	107		
	Chrysene	50	40.5	ug/L	81				61	108		
	bis(2-Ethylhexyl)phthalate	50	41	ug/L	82				59	110		
	Di-n-octyl phthalate	50	40.6	ug/L	81				67	126		
	Benzo(b)fluoranthene	50	47.1	ug/L	94				77	113		
	Benzo(k)fluoranthene	50	44.1	ug/L	88				64	113		
	Benzo(a)pyrene	50	47.1	ug/L	94				72	131		
	Indeno(1,2,3-cd)pyrene	50	51.6	ug/L	103				72	105		
	Dibenz(a,h)anthracene	50	53	ug/L	106				78	115		
	Benzo(g,h,i)perylene	50	52.4	ug/L	105				75	118		
	1,2,4,5-Tetrachlorobenzene	50	39.5	ug/L	79				72	101		
	1,4-Dioxane	50	35.7	ug/L	71				38	125		
	2,3,4,6-Tetrachlorophenol	50	41.8	ug/L	84				63	116		
	1-Methylnaphthalene	50	37.3	ug/L	75				51	114		



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

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157670BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	930	ug/Kg	55				28	98	
	Benzaldehyde	1700		ug/Kg			*		10	147	
	Aniline	1700	470	ug/Kg	28		*		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	1400	ug/Kg	82				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	1400	ug/Kg	82				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	1900	ug/Kg	112				67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	530	ug/Kg	31				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3200	ug/Kg	97				45	134	
	2,4,6-Trichlorophenol	1700	1300	ug/Kg	76				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1300	ug/Kg	76				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	970	ug/Kg	57				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	23000	ug/Kg	85				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	



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

SDG No.: BF121123

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB157670BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2700	ug/Kg	79				60	106	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				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	1300	ug/Kg	76				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	170	ug/Kg	10		*		67	113	
	Pentachlorophenol	3300	2300	ug/Kg	70				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1300	ug/Kg	76				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	280	ug/Kg	8		*		10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				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	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				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	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157390BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121123SAS No.: BF121123 SDG NO.: BF121123Lab File ID: BF136489.DLab Sample ID: PB157390BLInstrument ID: BNA_FDate Extracted: 11/22/2023Matrix: (soil/water) WaterDate Analyzed: 12/11/2023Level: (low/med) LOWTime Analyzed: 14:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157390BS	PB157390BS	BF136490.D	12/11/2023
PB157390BSD	PB157390BSD	BF136491.D	12/11/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157455BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121123SAS No.: BF121123 SDG NO.: BF121123Lab File ID: BF136487.DLab Sample ID: PB157455BLInstrument ID: BNA_FDate Extracted: 11/29/2023Matrix: (soil/water) WaterDate Analyzed: 12/11/2023Level: (low/med) LOWTime Analyzed: 13:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157455BS	PB157455BS	BF136488.D	12/11/2023
MW-110	O5551-01	BF136495.D	12/11/2023
MW-110MS	O5551-02MS	BF136496.D	12/11/2023
MW-110MSD	O5551-03MSD	BF136497.D	12/11/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TP-34

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121123SAS No.: BF121123 SDG NO.: BF121123Lab File ID: BF136501.DLab Sample ID: O5671-01Instrument ID: BNA_FDate Extracted: 12/07/2023Matrix: (soil/water) SolidDate Analyzed: 12/11/2023Level: (low/med) LOWTime Analyzed: 20:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-34	O5671-01	BF136501.D	12/11/2023
TP-35	O5671-05	BF136503.D	12/11/2023
SU-04-120623	O5659-01	BF136504.D	12/11/2023
OK-01-120623	O5661-01	BF136505.D	12/11/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

E8965C-CC-001

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF121123

SAS No.: BF121123 SDG NO.: BF121123

Lab File ID: BF136502.D

Lab Sample ID: O5639-02

Instrument ID: BNA_F

Date Extracted: 12/07/2023

Matrix: (soil/water) water

Date Analyzed: 12/11/2023

Level: (low/med) LOW

Time Analyzed: 21:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E8965C-CC-001	O5639-02	BF136502.D	12/11/2023
TP-34	O5671-04	BF136498.D	12/11/2023
TP-35	O5671-08	BF136499.D	12/11/2023

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP-LINDEN

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121123SAS No.: BF121123 SDG NO.: BF121123Lab File ID: BF136494.DLab Sample ID: O5691-01Instrument ID: BNA_FDate Extracted: 12/08/2023Matrix: (soil/water) SolidDate Analyzed: 12/11/2023Level: (low/med) LOWTime Analyzed: 17:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-LINDEN	O5691-01	BF136494.D	12/11/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157670BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121123SAS No.: BF121123 SDG NO.: BF121123Lab File ID: BF136492.DLab Sample ID: PB157670BLInstrument ID: BNA_FDate Extracted: 12/09/2023Matrix: (soil/water) SolidDate Analyzed: 12/11/2023Level: (low/med) LOWTime Analyzed: 16:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157670BS	PB157670BS	BF136493.D	12/11/2023
TT-FRACSEDIMENT-IDWSO-20231207	O5720-02	BF136500.D	12/11/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
Lab Sample ID:	O5551-02MS	Client Sample ID:	MW-110MS					DataFile:	BF136496.D		
n-Nitrosodimethylamine	50		16.1	ug/L	32				10	130	
Pyridine	50		15.3	ug/L	31				10	109	
Benzaldehyde	50		24.6	ug/L	49				10	137	
Aniline	50		19.8	ug/L	40				10	130	
Phenol	50		11.4	ug/L	23				10	130	
bis(2-Chloroethyl)ether	50		36.2	ug/L	72				29	141	
2-Chlorophenol	50		29.7	ug/L	59				23	127	
1,2-Dichlorobenzene	50		28	ug/L	56	*			61	114	
1,3-Dichlorobenzene	50		27	ug/L	54	*			65	106	
1,4-Dichlorobenzene	50		27.7	ug/L	55				55	125	
Benzyl Alcohol	50		26	ug/L	52				31	94	
2-Methylphenol	50		25.5	ug/L	51				23	132	
2,2-oxybis(1-Chloropropane)	50		33.9	ug/L	68				36	141	
Acetophenone	50		38.4	ug/L	77				31	164	
3+4-Methylphenols	50		21.6	ug/L	43				17	136	
N-Nitroso-di-n-propylamine	50		36.7	ug/L	73				36	147	
Hexachloroethane	50		26.3	ug/L	53				35	137	
Nitrobenzene	50		35.3	ug/L	71				40	134	
Isophorone	50		36.2	ug/L	72				39	146	
2-Nitrophenol	50		37.7	ug/L	75				30	148	
2,4-Dimethylphenol	50		40.2	ug/L	80				17	143	
bis(2-Chloroethoxy)methane	50		37	ug/L	74				39	143	
2,4-Dichlorophenol	50		34.5	ug/L	69				22	146	
1,2,4-Trichlorobenzene	50		30.3	ug/L	61	*			66	110	
Benzoic acid	50		0	ug/L	0	*			10	101	
Naphthalene	50		31.9	ug/L	64				17	157	
4-Chloroaniline	50		12.2	ug/L	24				10	95	
Hexachlorobutadiene	50		27	ug/L	54				52	125	
Caprolactam	50		6.5	ug/L	13				10	130	
4-Chloro-3-methylphenol	50		32.5	ug/L	65				17	148	
2-Methylnaphthalene	50		33.3	ug/L	67				38	146	
Hexachlorocyclopentadiene	100		69.2	ug/L	69				20	153	
2,4,6-Trichlorophenol	50		38.3	ug/L	77				46	139	
2,4,5-Trichlorophenol	50		36.1	ug/L	72				42	129	
1,1-Biphenyl	50		37.6	ug/L	75				38	154	
2-Chloronaphthalene	50		35.9	ug/L	72				41	145	
2-Nitroaniline	50		38.9	ug/L	78				39	151	
Dimethylphthalate	50		38.2	ug/L	76				42	147	
Acenaphthylene	50		39.7	ug/L	79				40	141	
2,6-Dinitrotoluene	50		38	ug/L	76				43	148	
3-Nitroaniline	50		17.4	ug/L	35				10	111	
Acenaphthene	50		36.5	ug/L	73				37	146	
Total PAH	800		606.5	ug/L	76				37	146	
2,4-Dinitrophenol	100		60.9	ug/L	61				14	167	
4-Nitrophenol	100		22.5	ug/L	23				10	130	
Dibenzofuran	50		37.8	ug/L	76				41	145	
2,4-Dinitrotoluene	50		36.7	ug/L	73				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF121123

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	100		74.7	ug/L	75				40	151	
Diethylphthalate	50		37.3	ug/L	75				41	148	
4-Chlorophenyl-phenylether	50		37	ug/L	74				38	149	
Fluorene	50		36.7	ug/L	73				39	144	
4-Nitroaniline	50		34.6	ug/L	69				27	138	
4,6-Dinitro-2-methylphenol	50		35.7	ug/L	71				32	175	
N-Nitrosodiphenylamine	50		41	ug/L	82				40	150	
Azobenzene	50		36.4	ug/L	73				72	112	
4-Bromophenyl-phenylether	50		39.6	ug/L	79				42	151	
Hexachlorobenzene	50		39	ug/L	78				60	129	
Atrazine	50		45.9	ug/L	92				20	162	
Pentachlorophenol	100		67.5	ug/L	68				15	137	
Phenanthrene	50		39	ug/L	78				40	147	
Anthracene	50		39.9	ug/L	80				41	146	
Carbazole	50		37.1	ug/L	74				37	154	
Di-n-butylphthalate	50		38	ug/L	76				40	151	
Fluoranthene	50		33.6	ug/L	67				42	146	
Benzidine	100		27.3	ug/L	27				10	130	
Pyrene	50		39.3	ug/L	79				41	149	
Butylbenzylphthalate	50		40.3	ug/L	81				39	155	
3,3-Dichlorobenzidine	50		28.9	ug/L	58				10	114	
Benzo(a)anthracene	50		38.7	ug/L	77				41	147	
Chrysene	50		38.1	ug/L	76				44	144	
bis(2-Ethylhexyl)phthalate	50		43.5	ug/L	87				33	160	
Di-n-octyl phthalate	50		47	ug/L	94				36	158	
Benzo(b)fluoranthene	50		35.7	ug/L	71				40	150	
Benzo(k)fluoranthene	50		35.5	ug/L	71				40	147	
Benzo(a)pyrene	50		37.7	ug/L	75				42	147	
Indeno(1,2,3-cd)pyrene	50		41.6	ug/L	83				30	166	
Dibenz(a,h)anthracene	50		42.4	ug/L	85				23	172	
Benzo(g,h,i)perylene	50		40.2	ug/L	80				27	167	
1,2,4,5-Tetrachlorobenzene	50		38.1	ug/L	76	*			89	102	
1,4-Dioxane	50		15.7	ug/L	31	*			38	130	
2,3,4,6-Tetrachlorophenol	50		37.5	ug/L	75	*			91	111	
1-Methylnaphthalene	50		33.1	ug/L	66				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O5551-03MSD	Client Sample ID:	MW-110MSD				DataFile:	BF136497.D			
n-Nitrosodimethylamine	51		15.5	ug/L	30		6		10	130	20
Pyridine	51		14.9	ug/L	29		7		10	109	20
Benzaldehyde	51		22.6	ug/L	44		11		10	137	20
Aniline	51		19	ug/L	37		8		10	130	20
Phenol	51		11.1	ug/L	22		4		10	130	20
bis(2-Chloroethyl)ether	51		35	ug/L	69		4		29	141	20
2-Chlorophenol	51		28.3	ug/L	55		7		23	127	20
1,2-Dichlorobenzene	51		27.1	ug/L	53	*	6		61	114	20
1,3-Dichlorobenzene	51		26	ug/L	51	*	6		65	106	20
1,4-Dichlorobenzene	51		26.4	ug/L	52	*	6		55	125	20
Benzyl Alcohol	51		24.1	ug/L	47		10		31	94	20
2-Methylphenol	51		24.5	ug/L	48		6		23	132	20
2,2-oxybis(1-Chloropropane)	51		32.6	ug/L	64		6		36	141	20
Acetophenone	51		36.9	ug/L	72		7		31	164	20
3+4-Methylphenols	51		20.5	ug/L	40		7		17	136	20
N-Nitroso-di-n-propylamine	51		35.2	ug/L	69		6		36	147	20
Hexachloroethane	51		24.7	ug/L	48		10		35	137	20
Nitrobenzene	51		33.9	ug/L	66		7		40	134	20
Isophorone	51		35.3	ug/L	69		4		39	146	20
2-Nitrophenol	51		36.7	ug/L	72		4		30	148	20
2,4-Dimethylphenol	51		39.9	ug/L	78		3		17	143	20
bis(2-Chloroethoxy)methane	51		36	ug/L	71		4		39	143	20
2,4-Dichlorophenol	51		33.5	ug/L	66		4		22	146	20
1,2,4-Trichlorobenzene	51		29.7	ug/L	58	*	5		66	110	20
Benzoic acid	51		0	ug/L	0	*			10	101	20
Naphthalene	51		30.9	ug/L	61		5		17	157	20
4-Chloroaniline	51		13.2	ug/L	26		8		10	95	20
Hexachlorobutadiene	51		25.9	ug/L	51	*	6		52	125	20
Caprolactam	51		6.6	ug/L	13		0		10	130	20
4-Chloro-3-methylphenol	51		31.1	ug/L	61		6		17	148	20
2-Methylnaphthalene	51		32.7	ug/L	64		5		38	146	20
Hexachlorocyclopentadiene	100		66.4	ug/L	66		4		20	153	20
2,4,6-Trichlorophenol	51		36.4	ug/L	71		8		46	139	20
2,4,5-Trichlorophenol	51		34.7	ug/L	68		6		42	129	20
1,1-Biphenyl	51		36	ug/L	71		5		38	154	20
2-Chloronaphthalene	51		34.5	ug/L	68		6		41	145	20
2-Nitroaniline	51		36.9	ug/L	72		8		39	151	20
Dimethylphthalate	51		36.6	ug/L	72		5		42	147	20
Acenaphthylene	51		37.5	ug/L	74		7		40	141	20
2,6-Dinitrotoluene	51		35.7	ug/L	70		8		43	148	20
3-Nitroaniline	51		17.1	ug/L	34		3		10	111	20
Acenaphthene	51		34.9	ug/L	68		7		37	146	20
Total PAH	816		579.8	ug/L	71		7		37	146	20
2,4-Dinitrophenol	100		59.2	ug/L	59		3		14	167	20
4-Nitrophenol	100		21.1	ug/L	21		9		10	130	20
Dibenzofuran	51		35.5	ug/L	70		8		41	145	20
2,4-Dinitrotoluene	51		35.2	ug/L	69		6		40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF121123

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	102		70.9	ug/L	70		7		40	151	20
Diethylphthalate	51		35.4	ug/L	69		8		41	148	20
4-Chlorophenyl-phenylether	51		34.9	ug/L	68		8		38	149	20
Fluorene	51		34.9	ug/L	68		7		39	144	20
4-Nitroaniline	51		32.8	ug/L	64		8		27	138	20
4,6-Dinitro-2-methylphenol	51		34.4	ug/L	67		6		32	175	20
N-Nitrosodiphenylamine	51		39.3	ug/L	77		6		40	150	20
Azobenzene	51		34.4	ug/L	67	*	9		72	112	20
4-Bromophenyl-phenylether	51		38.3	ug/L	75		5		42	151	20
Hexachlorobenzene	51		37.5	ug/L	74		5		60	129	20
Atrazine	51		43.8	ug/L	86		7		20	162	20
Pentachlorophenol	100		65	ug/L	65		5		15	137	20
Phenanthrene	51		37.5	ug/L	74		5		40	147	20
Anthracene	51		37.9	ug/L	74		8		41	146	20
Carbazole	51		35	ug/L	69		7		37	154	20
Di-n-butylphthalate	51		36	ug/L	71		7		40	151	20
Fluoranthene	51		32.2	ug/L	63		6		42	146	20
Benzidine	100		28.9	ug/L	29		7		10	130	20
Pyrene	51		37.6	ug/L	74		7		41	149	20
Butylbenzylphthalate	51		39.4	ug/L	77		5		39	155	20
3,3-Dichlorobenzidine	51		29.1	ug/L	57		2		10	114	20
Benzo(a)anthracene	51		37.5	ug/L	74		4		41	147	20
Chrysene	51		37.1	ug/L	73		4		44	144	20
bis(2-Ethylhexyl)phthalate	51		42.4	ug/L	83		5		33	160	20
Di-n-octyl phthalate	51		46	ug/L	90		4		36	158	20
Benzo(b)fluoranthene	51		33.8	ug/L	66		7		40	150	20
Benzo(k)fluoranthene	51		33.5	ug/L	66		7		40	147	20
Benzo(a)pyrene	51		36.2	ug/L	71		5		42	147	20
Indeno(1,2,3-cd)pyrene	51		39.7	ug/L	78		6		30	166	20
Dibenz(a,h)anthracene	51		40.3	ug/L	79		7		23	172	20
Benzo(g,h,i)perylene	51		38.3	ug/L	75		6		27	167	20
1,2,4,5-Tetrachlorobenzene	51		36.7	ug/L	72	*	5		89	102	20
1,4-Dioxane	51		15	ug/L	29	*	7		38	130	20
2,3,4,6-Tetrachlorophenol	51		35.5	ug/L	70	*	7		91	111	20
1-Methylnaphthalene	51		32.2	ug/L	63		5		25	151	20



Surrogate Summary
SW-846

SDG No.: BF121123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB157390BL	PB157390BL	BF136489.D	2-Fluorophenol	150	130.67	87		10	139
			Phenol-d6	150	129.74	86		10	134
			Nitrobenzene-d5	100	83.85	84		49	133
			2-Fluorobiphenyl	100	84.98	85		52	132
			2,4,6-Tribromophenol	150	134.56	90		32	145
			Terphenyl-d14	100	81.26	81		36	145
PB157390BS	PB157390BS	BF136490.D	2-Fluorophenol	150	115.61	77		10	139
			Phenol-d6	150	114.86	77		10	134
			Nitrobenzene-d5	100	72.95	73		49	133
			2-Fluorobiphenyl	100	70.27	70		52	132
			2,4,6-Tribromophenol	150	114.64	76		32	145
			Terphenyl-d14	100	80.01	80		36	145
PB157390BSD	PB157390BSD	BF136491.D	2-Fluorophenol	150	114.42	76		10	139
			Phenol-d6	150	114.03	76		10	134
			Nitrobenzene-d5	100	73.23	73		49	133
			2-Fluorobiphenyl	100	71.40	71		52	132
			2,4,6-Tribromophenol	150	114.96	77		32	145
			Terphenyl-d14	100	78.95	79		36	145

Surrogate Summary

SW-846

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5551-01	MW-110	BF136495.D	2-Fluorophenol	75	30.96	41		10	139
			Phenol-d6	75	21.06	28		10	134
			Nitrobenzene-d5	50	37.41	75		49	133
			2-Fluorobiphenyl	50	36.53	73		52	132
			2,4,6-Tribromophenol	75	53.77	72		32	145
			Terphenyl-d14	50	37.77	76		36	145
O5551-02MS	MW-110MS	BF136496.D	2-Fluorophenol	75	20.80	28		10	139
			Phenol-d6	75	13.26	18		10	134
			Nitrobenzene-d5	50	33.01	66		49	133
			2-Fluorobiphenyl	50	33.78	68		52	132
			2,4,6-Tribromophenol	75	47.37	63		32	145
			Terphenyl-d14	50	32.90	66		36	145
O5551-03MSD	MW-110MSD	BF136497.D	2-Fluorophenol	75	19.44	26		10	139
			Phenol-d6	75	12.29	16		10	134
			Nitrobenzene-d5	50	31.45	63		49	133
			2-Fluorobiphenyl	50	31.92	64		52	132
			2,4,6-Tribromophenol	75	43.80	58		32	145
			Terphenyl-d14	50	31.28	63		36	145
PB157455BL	PB157455BL	BF136487.D	2-Fluorophenol	150	121.86	81		10	139
			Phenol-d6	150	118.89	79		10	134
			Nitrobenzene-d5	100	80.55	81		49	133
			2-Fluorobiphenyl	100	77.56	78		52	132
			2,4,6-Tribromophenol	150	124.03	83		32	145
			Terphenyl-d14	100	73.77	74		36	145
PB157455BS	PB157455BS	BF136488.D	2-Fluorophenol	150	110.22	73		10	139
			Phenol-d6	150	111.39	74		10	134
			Nitrobenzene-d5	100	72.07	72		49	133
			2-Fluorobiphenyl	100	70.10	70		52	132
			2,4,6-Tribromophenol	150	111.13	74		32	145
			Terphenyl-d14	100	79.07	79		36	145



Surrogate Summary

SW-846

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5659-01	SU-04-120623	BF136504.D	2-Fluorophenol	150	87.91	59		18	112
			Phenol-d6	150	83.13	55		15	107
			Nitrobenzene-d5	100	62.58	63		18	107
			2-Fluorobiphenyl	100	70.00	70		20	109
			2,4,6-Tribromophenol	150	73.54	49		10	110
			Terphenyl-d14	100	48.31	48		14	112
O5661-01	OK-01-120623	BF136505.D	2-Fluorophenol	150	116.10	77		18	112
			Phenol-d6	150	107.30	72		15	107
			Nitrobenzene-d5	100	76.06	76		18	107
			2-Fluorobiphenyl	100	92.93	93		20	109
			2,4,6-Tribromophenol	150	93.67	62		10	110
			Terphenyl-d14	100	68.27	68		14	112
O5671-01	TP-34	BF136501.D	2-Fluorophenol	150	129.32	86		18	112
			Phenol-d6	150	129.35	86		15	107
			Nitrobenzene-d5	100	90.62	91		18	107
			2-Fluorobiphenyl	100	81.03	81		20	109
			2,4,6-Tribromophenol	150	125.27	84		10	110
			Terphenyl-d14	100	80.94	81		14	112
O5671-05	TP-35	BF136503.D	2-Fluorophenol	150	88.93	59		18	112
			Phenol-d6	150	86.61	58		15	107
			Nitrobenzene-d5	100	60.84	61		18	107
			2-Fluorobiphenyl	100	60.21	60		20	109
			2,4,6-Tribromophenol	150	68.18	45		10	110
			Terphenyl-d14	100	44.25	44		14	112



Surrogate Summary
SW-846

SDG No.: BF121123

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5639-02	E8965C-CC-001	BF136502.D	2-Fluorophenol	150	111.40	74		10	139
			Phenol-d6	150	96.66	64		10	134
			Nitrobenzene-d5	100	87.73	88		49	133
			2-Fluorobiphenyl	100	83.93	84		52	132
			2,4,6-Tribromophenol	150	129.58	86		32	145
			Terphenyl-d14	100	94.01	94		36	145
O5671-04	TP-34	BF136498.D	2-Fluorophenol	150	125.99	84		10	139
			Phenol-d6	150	113.00	75		10	134
			Nitrobenzene-d5	100	94.58	95		49	133
			2-Fluorobiphenyl	100	91.82	92		52	132
			2,4,6-Tribromophenol	150	140.66	94		32	145
			Terphenyl-d14	100	100.86	101		36	145
O5671-08	TP-35	BF136499.D	2-Fluorophenol	150	115.24	77		10	139
			Phenol-d6	150	106.10	71		10	134
			Nitrobenzene-d5	100	84.71	85		49	133
			2-Fluorobiphenyl	100	83.44	83		52	132
			2,4,6-Tribromophenol	150	129.52	86		32	145
			Terphenyl-d14	100	86.51	87		36	145



Surrogate Summary
SW-846

SDG No.: BF121123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5691-01	SP-LINDEN	BF136494.D	2-Fluorophenol	150	81.19	54		18	112
			Phenol-d6	150	81.42	54		15	107
			Nitrobenzene-d5	100	55.71	56		18	107
			2-Fluorobiphenyl	100	54.36	54		20	109
			2,4,6-Tribromophenol	150	82.36	55		10	110
			Terphenyl-d14	100	54.03	54		14	112



Surrogate Summary
SW-846

SDG No.: BF121123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5720-02	TT-FRACSEDIME\BF136500.D		2-Fluorophenol	150	77.91	52		18	112
			Phenol-d6	150	77.64	52		15	107
			Nitrobenzene-d5	100	53.14	53		18	107
			2-Fluorobiphenyl	100	49.50	49		20	109
			2,4,6-Tribromophenol	150	73.47	49		10	110
			Terphenyl-d14	100	45.60	46		14	112
PB157670BL	PB157670BL	BF136492.D	2-Fluorophenol	150	123.35	82		18	112
			Phenol-d6	150	121.15	81		15	107
			Nitrobenzene-d5	100	79.79	80		18	107
			2-Fluorobiphenyl	100	79.26	79		20	109
			2,4,6-Tribromophenol	150	128.88	86		10	110
			Terphenyl-d14	100	73.98	74		14	112
PB157670BS	PB157670BS	BF136493.D	2-Fluorophenol	150	111.63	74		18	112
			Phenol-d6	150	111.60	74		15	107
			Nitrobenzene-d5	100	72.29	72		18	107
			2-Fluorobiphenyl	100	71.52	72		20	109
			2,4,6-Tribromophenol	150	112.26	75		10	110
			Terphenyl-d14	100	77.08	77		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF121123Lab Code: CHEMSAS No.: BF121123 SDG NO.: BF121123Lab File ID: BF136485.DDFTPP Injection Date: 12/11/2023Instrument ID: BNA_FDFTPP Injection Time: 12:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.3
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.5
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	6.4
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	95.4
443	15.0 - 24.0% of mass 442	18.4 (19.3) 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	BF136486.D	12/11/2023	12:51
PB157455BL	PB157455BL	BF136487.D	12/11/2023	13:23
PB157455BS	PB157455BS	BF136488.D	12/11/2023	13:55
PB157390BL	PB157390BL	BF136489.D	12/11/2023	14:27
PB157390BS	PB157390BS	BF136490.D	12/11/2023	14:59
PB157390BSD	PB157390BSD	BF136491.D	12/11/2023	15:31
PB157670BL	PB157670BL	BF136492.D	12/11/2023	16:03
PB157670BS	PB157670BS	BF136493.D	12/11/2023	16:35
SP-LINDEN	O5691-01	BF136494.D	12/11/2023	17:11
MW-110	O5551-01	BF136495.D	12/11/2023	17:42
MW-110MS	O5551-02MS	BF136496.D	12/11/2023	18:13
MW-110MSD	O5551-03MSD	BF136497.D	12/11/2023	18:46
TP-34	O5671-04	BF136498.D	12/11/2023	19:17
TP-35	O5671-08	BF136499.D	12/11/2023	19:49
TT-FRACSEDIMENT-IDWSO-20231207	O5720-02	BF136500.D	12/11/2023	20:21
TP-34	O5671-01	BF136501.D	12/11/2023	20:53
E8965C-CC-001	O5639-02	BF136502.D	12/11/2023	21:24
TP-35	O5671-05	BF136503.D	12/11/2023	21:56
SU-04-120623	O5659-01	BF136504.D	12/11/2023	22:28



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF121123Lab Code: CHEMSAS No.: BF121123 SDG NO.: BF121123Lab File ID: BF136485.DDFTPP Injection Date: 12/11/2023Instrument ID: BNA_FDFTPP Injection Time: 12:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.3
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.5
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	6.4
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	95.4
443	15.0 - 24.0% of mass 442	18.4 (19.3) 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
OK-01-120623	O5661-01	BF136505.D	12/11/2023	23:00
SSTDCCC040EC	SSTDCCC040	BF136506.D	12/11/2023	23:32