

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG No.: BF122723

Instrument ID: BNA_F Calibration Date/Time: 12/27/2023 : 09:41

Lab File ID: BF136748.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.696	0.682		-2.011	
Pyridine	1.303	1.287		-1.228	
2-Fluorophenol	1.282	1.310		2.184	
Benzaldehyde	0.945	0.902		-4.55	
Aniline	1.661	1.536		-7.526	
Phenol-d6	1.661	1.593		-4.094	
Phenol	1.773	1.682		-5.133	20.0
bis(2-Chloroethyl)ether	1.348	1.290		-4.303	
2-Chlorophenol	1.403	1.377		-1.853	
1,2-Dichlorobenzene	1.455	1.453		-0.137	
1,3-Dichlorobenzene	1.530	1.552		1.438	
1,4-Dichlorobenzene	1.564	1.538		-1.662	20.0
Benzyl Alcohol	1.121	1.081		-3.568	
2-Methylphenol	1.162	1.076		-7.401	
2,2-oxybis(1-Chloropropane)	2.205	2.016		-8.571	
Acetophenone	0.501	0.507		1.198	
3+4-Methylphenols	1.452	1.333		-8.196	
n-Nitroso-di-n-propylamine	1.007	0.897	0.050	-10.924	
Nitrobenzene-d5	0.391	0.401		2.558	
Hexachloroethane	0.568	0.563		-0.88	
Nitrobenzene	0.392	0.403		2.806	
Isophorone	0.711	0.680		-4.36	
2-Nitrophenol	0.187	0.197		5.348	20.0
2,4-Dimethylphenol	0.228	0.236		3.509	
bis(2-Chloroethoxy)methane	0.432	0.426		-1.389	
2,4-Dichlorophenol	0.294	0.297		1.02	20.0
1,2,4-Trichlorobenzene	0.327	0.343		4.893	
Benzoic acid	0.221	0.206		-6.787	
Naphthalene	1.099	1.112		1.183	
4-Chloroaniline	0.406	0.386		-4.926	
Hexachlorobutadiene	0.199	0.207		4.02	20.0
Caprolactam	0.097	0.081		-16.495	
4-Chloro-3-methylphenol	0.331	0.302		-8.761	20.0
2-Methylnaphthalene	0.707	0.689		-2.546	
Hexachlorocyclopentadiene	0.172	0.152	0.050	-11.628	
2,4,6-Trichlorophenol	0.397	0.416		4.786	20.0
2-Fluorobiphenyl	1.487	1.583		6.456	
2,4,5-Trichlorophenol	0.443	0.458		3.386	
1,1-Biphenyl	1.678	1.797		7.092	
2-Chloronaphthalene	1.276	1.386		8.621	
2-Nitroaniline	0.400	0.404		1.0	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.461	1.411		-3.422	
Acenaphthylene	1.950	2.034		4.308	
2,6-Dinitrotoluene	0.332	0.330		-0.602	
3-Nitroaniline	0.351	0.333		-5.128	
Acenaphthene	1.209	1.230		1.737	20.0
2,4-Dinitrophenol	0.165	0.139	0.050	-15.758	
4-Nitrophenol	0.237	0.195	0.050	-17.722	
Dibenzofuran	1.832	1.827		-0.273	
2,4-Dinitrotoluene	0.430	0.406		-5.581	
Diethylphthalate	1.516	1.403		-7.454	
4-Chlorophenyl-phenylether	0.707	0.693		-1.98	
Fluorene	1.454	1.418		-2.476	
4-Nitroaniline	0.339	0.292		-13.864	
4,6-Dinitro-2-methylphenol	0.115	0.121		5.217	
n-Nitrosodiphenylamine	0.650	0.704		8.308	20.0
Azobenzene	1.416	1.324		-6.497	
2,4,6-Tribromophenol	0.236	0.222		-5.932	
4-Bromophenyl-phenylether	0.222	0.237		6.757	
Hexachlorobenzene	0.248	0.264		6.452	
Atrazine	0.166	0.171		3.012	
Pentachlorophenol	0.115	0.110		-4.348	20.0
Phenanthrene	1.026	1.053		2.632	
Anthracene	1.039	1.070		2.984	
Carbazole	0.980	0.961		-1.939	
Di-n-butylphthalate	1.196	1.163		-2.759	
Fluoranthene	1.098	1.048		-4.554	20.0
Benzidine	0.590	0.505		-14.407	
Pyrene	1.963	1.843		-6.113	
Terphenyl-d14	1.431	1.335		-6.709	
Butylbenzylphthalate	0.714	0.719		0.7	
3,3-Dichlorobenzidine	0.394	0.468		18.782	
Benzo (a) anthracene	1.389	1.435		3.312	
Chrysene	1.358	1.390		2.356	
Bis (2-ethylhexyl) phthalate	0.899	0.982		9.232	
Di-n-octyl phthalate	1.390	1.700		22.302	20.0
Benzo (b) fluoranthene	1.336	1.323		-0.973	
Benzo (k) fluoranthene	1.262	1.120		-11.252	
Benzo (a) pyrene	1.128	1.136		0.709	20.0
Indeno (1,2,3-cd) pyrene	1.444	1.591		10.18	
Dibenzo (a,h) anthracene	1.185	1.299		9.62	
Benzo (g,h,i) perylene	1.213	1.341		10.552	



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Instrument ID: BNA_F Calibration Date/Time: 12/27/2023 : 09:41
Lab File ID: BF136748.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.619	0.691		11.632	
1,4-Dioxane	0.534	0.528		-1.124	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.323		-5.279	
1-Methylnaphthalene	0.694	0.662		-4.611	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG No.: BF122723

Instrument ID: BNA_F Calibration Date/Time: 12/27/2023 : 16:14

Lab File ID: BF136760.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	0.696	0.705		1.293	50.0
Pyridine	1.303	1.315		0.921	50.0
2-Fluorophenol	1.282	1.297		1.17	50.0
Benzaldehyde	0.945	0.907		-4.021	50.0
Aniline	1.661	1.533		-7.706	50.0
Phenol-d6	1.661	1.603		-3.492	50.0
Phenol	1.773	1.717		-3.158	50.0
bis(2-Chloroethyl)ether	1.348	1.289		-4.377	50.0
2-Chlorophenol	1.403	1.392		-0.784	50.0
1,2-Dichlorobenzene	1.455	1.433		-1.512	50.0
1,3-Dichlorobenzene	1.530	1.538		0.523	50.0
1,4-Dichlorobenzene	1.564	1.540		-1.535	50.0
Benzyl Alcohol	1.121	1.100		-1.873	50.0
2-Methylphenol	1.162	1.082		-6.885	50.0
2,2-oxybis(1-Chloropropane)	2.205	2.022		-8.299	50.0
Acetophenone	0.501	0.507		1.198	50.0
3+4-Methylphenols	1.452	1.345		-7.369	50.0
n-Nitroso-di-n-propylamine	1.007	0.920	0.050	-8.64	50.0
Nitrobenzene-d5	0.391	0.405		3.581	50.0
Hexachloroethane	0.568	0.562		-1.056	50.0
Nitrobenzene	0.392	0.408		4.082	50.0
Isophorone	0.711	0.708		-0.422	50.0
2-Nitrophenol	0.187	0.199		6.417	50.0
2,4-Dimethylphenol	0.228	0.238		4.386	50.0
bis(2-Chloroethoxy)methane	0.432	0.424		-1.852	50.0
2,4-Dichlorophenol	0.294	0.303		3.061	50.0
1,2,4-Trichlorobenzene	0.327	0.339		3.67	50.0
Benzoic acid	0.221	0.238		7.692	50.0
Naphthalene	1.099	1.111		1.092	50.0
4-Chloroaniline	0.406	0.390		-3.941	50.0
Hexachlorobutadiene	0.199	0.209		5.025	50.0
Caprolactam	0.097	0.096		-1.031	50.0
4-Chloro-3-methylphenol	0.331	0.328		-0.906	50.0
2-Methylnaphthalene	0.707	0.692		-2.122	50.0
Hexachlorocyclopentadiene	0.172	0.158	0.050	-8.14	50.0
2,4,6-Trichlorophenol	0.397	0.419		5.542	50.0
2-Fluorobiphenyl	1.487	1.525		2.555	50.0
2,4,5-Trichlorophenol	0.443	0.454		2.483	50.0
1,1-Biphenyl	1.678	1.756		4.648	50.0
2-Chloronaphthalene	1.276	1.314		2.978	50.0
2-Nitroaniline	0.400	0.408		2.0	50.0

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Lab File ID: BF136760.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
Dimethylphthalate	1.461	1.460		-0.068	50.0
Acenaphthylene	1.950	2.001		2.615	50.0
2,6-Dinitrotoluene	0.332	0.344		3.614	50.0
3-Nitroaniline	0.351	0.350		-0.285	50.0
Acenaphthene	1.209	1.223		1.158	50.0
2,4-Dinitrophenol	0.165	0.161	0.050	-2.424	50.0
4-Nitrophenol	0.237	0.222	0.050	-6.329	50.0
Dibenzofuran	1.832	1.821		-0.6	50.0
2,4-Dinitrotoluene	0.430	0.442		2.791	50.0
Diethylphthalate	1.516	1.516		0.0	50.0
4-Chlorophenyl-phenylether	0.707	0.693		-1.98	50.0
Fluorene	1.454	1.447		-0.481	50.0
4-Nitroaniline	0.339	0.325		-4.13	50.0
4,6-Dinitro-2-methylphenol	0.115	0.124		7.826	50.0
n-Nitrosodiphenylamine	0.650	0.668		2.769	50.0
Azobenzene	1.416	1.365		-3.602	50.0
2,4,6-Tribromophenol	0.236	0.230		-2.542	50.0
4-Bromophenyl-phenylether	0.222	0.229		3.153	50.0
Hexachlorobenzene	0.248	0.257		3.629	50.0
Atrazine	0.166	0.176		6.024	50.0
Pentachlorophenol	0.115	0.119		3.478	50.0
Phenanthrene	1.026	1.055		2.827	50.0
Anthracene	1.039	1.051		1.155	50.0
Carbazole	0.980	0.991		1.122	50.0
Di-n-butylphthalate	1.196	1.204		0.669	50.0
Fluoranthene	1.098	1.107		0.82	50.0
Benzidine	0.590	0.504		-14.576	50.0
Pyrene	1.963	1.922		-2.089	50.0
Terphenyl-d14	1.431	1.380		-3.564	50.0
Butylbenzylphthalate	0.714	0.743		4.062	50.0
3,3-Dichlorobenzidine	0.394	0.423		7.36	50.0
Benzo (a) anthracene	1.389	1.420		2.232	50.0
Chrysene	1.358	1.355		-0.221	50.0
Bis (2-ethylhexyl) phthalate	0.899	0.952		5.895	50.0
Di-n-octyl phthalate	1.390	1.524		9.64	50.0
Benzo (b) fluoranthene	1.336	1.347		0.823	50.0
Benzo (k) fluoranthene	1.262	1.221		-3.249	50.0
Benzo (a) pyrene	1.128	1.148		1.773	50.0
Indeno (1,2,3-cd) pyrene	1.444	1.473		2.008	50.0
Dibenzo (a,h) anthracene	1.185	1.203		1.519	50.0
Benzo (g,h,i) perylene	1.213	1.249		2.968	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	0.619	0.655		5.816	50.0
1,4-Dioxane	0.534	0.513		-3.933	50.0
2,3,4,6-Tetrachlorophenol	0.341	0.345		1.173	50.0
1-Methylnaphthalene	0.694	0.669		-3.602	50.0

All other compounds must meet a minimum RRF of 0.010.

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Instrument ID: BNA_F Calibration Date/Time: 12/27/2023 : 17:18

Lab File ID: BF136762.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.696	0.683		-1.868	
Pyridine	1.303	1.284		-1.458	
2-Fluorophenol	1.282	1.281		-0.078	
Benzaldehyde	0.945	0.905		-4.233	
Aniline	1.661	1.540		-7.285	
Phenol-d6	1.661	1.593		-4.094	
Phenol	1.773	1.693		-4.512	20.0
bis(2-Chloroethyl)ether	1.348	1.269		-5.861	
2-Chlorophenol	1.403	1.372		-2.21	
1,2-Dichlorobenzene	1.455	1.422		-2.268	
1,3-Dichlorobenzene	1.530	1.524		-0.392	
1,4-Dichlorobenzene	1.564	1.529		-2.238	20.0
Benzyl Alcohol	1.121	1.083		-3.39	
2-Methylphenol	1.162	1.078		-7.229	
2,2-oxybis(1-Chloropropane)	2.205	2.023		-8.254	
Acetophenone	0.501	0.507		1.198	
3+4-Methylphenols	1.452	1.348		-7.163	
n-Nitroso-di-n-propylamine	1.007	0.908	0.050	-9.831	
Nitrobenzene-d5	0.391	0.396		1.279	
Hexachloroethane	0.568	0.563		-0.88	
Nitrobenzene	0.392	0.400		2.041	
Isophorone	0.711	0.696		-2.11	
2-Nitrophenol	0.187	0.201		7.487	20.0
2,4-Dimethylphenol	0.228	0.229		0.439	
bis(2-Chloroethoxy)methane	0.432	0.427		-1.157	
2,4-Dichlorophenol	0.294	0.301		2.381	20.0
1,2,4-Trichlorobenzene	0.327	0.335		2.446	
Benzoic acid	0.221	0.220		-0.452	
Naphthalene	1.099	1.114		1.365	
4-Chloroaniline	0.406	0.397		-2.217	
Hexachlorobutadiene	0.199	0.207		4.02	20.0
Caprolactam	0.097	0.092		-5.155	
4-Chloro-3-methylphenol	0.331	0.321		-3.021	20.0
2-Methylnaphthalene	0.707	0.685		-3.112	
Hexachlorocyclopentadiene	0.172	0.152	0.050	-11.628	
2,4,6-Trichlorophenol	0.397	0.415		4.534	20.0
2-Fluorobiphenyl	1.487	1.529		2.824	
2,4,5-Trichlorophenol	0.443	0.465		4.966	
1,1-Biphenyl	1.678	1.732		3.218	
2-Chloronaphthalene	1.276	1.354		6.113	
2-Nitroaniline	0.400	0.409		2.25	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.461	1.442		-1.3	
Acenaphthylene	1.950	1.995		2.308	
2,6-Dinitrotoluene	0.332	0.333		0.301	
3-Nitroaniline	0.351	0.343		-2.279	
Acenaphthene	1.209	1.224		1.241	20.0
2,4-Dinitrophenol	0.165	0.142	0.050	-13.939	
4-Nitrophenol	0.237	0.205	0.050	-13.502	
Dibenzofuran	1.832	1.810		-1.201	
2,4-Dinitrotoluene	0.430	0.426		-0.93	
Diethylphthalate	1.516	1.492		-1.583	
4-Chlorophenyl-phenylether	0.707	0.692		-2.122	
Fluorene	1.454	1.449		-0.344	
4-Nitroaniline	0.339	0.310		-8.555	
4,6-Dinitro-2-methylphenol	0.115	0.125		8.696	
n-Nitrosodiphenylamine	0.650	0.682		4.923	20.0
Azobenzene	1.416	1.360		-3.955	
2,4,6-Tribromophenol	0.236	0.230		-2.542	
4-Bromophenyl-phenylether	0.222	0.231		4.054	
Hexachlorobenzene	0.248	0.262		5.645	
Atrazine	0.166	0.175		5.422	
Pentachlorophenol	0.115	0.114		-0.87	20.0
Phenanthrene	1.026	1.070		4.288	
Anthracene	1.039	1.069		2.887	
Carbazole	0.980	0.991		1.122	
Di-n-butylphthalate	1.196	1.203		0.585	
Fluoranthene	1.098	1.080		-1.639	20.0
Benzidine	0.590	0.544		-7.797	
Pyrene	1.963	1.896		-3.413	
Terphenyl-d14	1.431	1.362		-4.822	
Butylbenzylphthalate	0.714	0.725		1.541	
3,3-Dichlorobenzidine	0.394	0.442		12.183	
Benzo (a) anthracene	1.389	1.426		2.664	
Chrysene	1.358	1.370		0.884	
Bis (2-ethylhexyl) phthalate	0.899	0.965		7.341	
Di-n-octyl phthalate	1.390	1.578		13.525	20.0
Benzo (b) fluoranthene	1.336	1.341		0.374	
Benzo (k) fluoranthene	1.262	1.165		-7.686	
Benzo (a) pyrene	1.128	1.131		0.266	20.0
Indeno (1,2,3-cd) pyrene	1.444	1.485		2.839	
Dibenzo (a,h) anthracene	1.185	1.209		2.025	
Benzo (g,h,i) perylene	1.213	1.247		2.803	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.619	0.661		6.785	
1,4-Dioxane	0.534	0.533		-0.187	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.339		-0.587	
1-Methylnaphthalene	0.694	0.674		-2.882	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BL	SDG No.:	BF122723
Lab Sample ID:	PB158018BL	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
BF136749.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BL	SDG No.:	BF122723
Lab Sample ID:	PB158018BL	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
BF136749.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BL	SDG No.:	BF122723
Lab Sample ID:	PB158018BL	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
BF136749.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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	125.824		10-139		84	SPK: -150
13127-88-3	Phenol-d6	121.657		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	82.779		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	83.308		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	110.509		32-145		74	SPK: -150
1718-51-0	Terphenyl-d14	76.537		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82175	6.787				
1146-65-2	Naphthalene-d8	315153	8.057				
15067-26-2	Acenaphthene-d10	159503	9.816				
1517-22-2	Phenanthrene-d10	288734	11.31				
1719-03-5	Chrysene-d12	166101	13.963				
1520-96-3	Perylene-d12	163583	15.445				



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Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BL	SDG No.:	BF122723
Lab Sample ID:	PB158018BL	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
BF136749.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-06-8	Hexadecanoic acid, butyl ester	2.1	J			12.727	

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BS	SDG No.:	BF122723
Lab Sample ID:	PB158018BS	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
BF136750.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38.7		2	8	10	ug/L
110-86-1	Pyridine	28.2		1.8	4	5	ug/L
100-52-7	Benzaldehyde	13.5		3.3	8	10	ug/L
62-53-3	Aniline	23.5		2.4	4	5	ug/L
108-95-2	Phenol	37.7		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.3		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	41.8		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	38.7		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	37.8		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	37.7		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	41.9		2.4	8	10	ug/L
95-48-7	2-Methylphenol	37.7		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.5		2.3	4	5	ug/L
98-86-2	Acetophenone	39.7		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	37		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37.8		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	36.9		1.6	4	5	ug/L
98-95-3	Nitrobenzene	38.1		1.7	4	5	ug/L
78-59-1	Isophorone	37.3		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	41.1		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	48.7		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.7		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	37.6		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.3		1.7	4	5	ug/L
65-85-0	Benzoic acid	36.1		6.7	8	10	ug/L
91-20-3	Naphthalene	38		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	21.5		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	37.1		1.9	4	5	ug/L
105-60-2	Caprolactam	34.9		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	35.3		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	36.7		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BS	SDG No.:	BF122723
Lab Sample ID:	PB158018BS	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
BF136750.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	87.2	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	41.2		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	40.2		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	40.8		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	40.2		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	39.2		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	38.3		1.9	4	5	ug/L
208-96-8	Acenaphthylene	41.5		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	38.2		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	30.1		2.4	4	5	ug/L
83-32-9	Acenaphthene	38.6		1.7	4	5	ug/L
Total PAH	Total PAH	676.1		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	69.1		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	68.4		2.8	8	10	ug/L
132-64-9	Dibenzofuran	39		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	73.9		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	35.7		2.5	4	5	ug/L
84-66-2	Diethylphthalate	36.5		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.3		2.2	4	5	ug/L
86-73-7	Fluorene	37.8		2	4	5	ug/L
100-01-6	4-Nitroaniline	30.8		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41.5		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.8		2	4	5	ug/L
103-33-3	Azobenzene	36.6		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	41		2	4	5	ug/L
118-74-1	Hexachlorobenzene	41.2		1.9	4	5	ug/L
1912-24-9	Atrazine	39		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	68.8		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	38.4		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	38.6		2.4	4	5	ug/L
206-44-0	Fluoranthene	37.1		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BS	SDG No.:	BF122723
Lab Sample ID:	PB158018BS	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
BF136750.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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	36.8		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	40.3		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	43.8		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	40.3		1.5	4	5	ug/L
218-01-9	Chrysene	40		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43.2		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.7		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.7		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	41.2		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.3		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.3		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	50.1		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.2		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	29.1		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	35		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	116.311		10-139		78	SPK: -150
13127-88-3	Phenol-d6	107.046		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	73.286		49-133		73	SPK: -100
321-60-8	2-Fluorobiphenyl	77.04		52-132		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.088		32-145		70	SPK: -150
1718-51-0	Terphenyl-d14	69.442		36-145		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93650	6.786				
1146-65-2	Naphthalene-d8	368840	8.063				
15067-26-2	Acenaphthene-d10	168319	9.822				
1517-22-2	Phenanthrene-d10	289521	11.316				
1719-03-5	Chrysene-d12	164351	13.968				
1520-96-3	Perylene-d12	155129	15.445				



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Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	PB158018BS	SDG No.:	BF122723
Lab Sample ID:	PB158018BS	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
BF136750.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BL	SDG No.:	BF122723
Lab Sample ID:	PB157937BL	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
BF136751.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BL	SDG No.:	BF122723
Lab Sample ID:	PB157937BL	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
BF136751.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BL	SDG No.:	BF122723
Lab Sample ID:	PB157937BL	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
BF136751.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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	124.145		10-139		83	SPK: -150
13127-88-3	Phenol-d6	119.871		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	80.939		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	83.297		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	113.455		32-145		76	SPK: -150
1718-51-0	Terphenyl-d14	77.345		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83156	6.781				
1146-65-2	Naphthalene-d8	319270	8.057				
15067-26-2	Acenaphthene-d10	157296	9.816				
1517-22-2	Phenanthrene-d10	289311	11.31				
1719-03-5	Chrysene-d12	163908	13.962				
1520-96-3	Perylene-d12	160858	15.445				



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

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BL	SDG No.:	BF122723
Lab Sample ID:	PB157937BL	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
BF136751.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-06-8	Hexadecanoic acid, butyl ester	2	J			12.727	
000541-01-5	Heptasiloxane, hexadecamethyl-	11.8	J			15.045	

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BS	SDG No.:	BF122723
Lab Sample ID:	PB157937BS	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
BF136752.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39.7		2	8	10	ug/L
110-86-1	Pyridine	28.9		1.8	4	5	ug/L
100-52-7	Benzaldehyde	13.9		3.3	8	10	ug/L
62-53-3	Aniline	23.5		2.4	4	5	ug/L
108-95-2	Phenol	38.1		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.8		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	42		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	39.3		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.2		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38.6		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	42		2.4	8	10	ug/L
95-48-7	2-Methylphenol	38.5		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.6		2.3	4	5	ug/L
98-86-2	Acetophenone	40.2		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	36.9		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38.9		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	38.8		1.6	4	5	ug/L
98-95-3	Nitrobenzene	38.2		1.7	4	5	ug/L
78-59-1	Isophorone	37.4		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	40.6		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	48.5		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.9		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	37.4		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	38.5		1.7	4	5	ug/L
65-85-0	Benzoic acid	35.7		6.7	8	10	ug/L
91-20-3	Naphthalene	38.2		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	21.8		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	37.2		1.9	4	5	ug/L
105-60-2	Caprolactam	35.5		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	35.4		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	36.2		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BS	SDG No.:	BF122723
Lab Sample ID:	PB157937BS	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
BF136752.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	88.1	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	41.3		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39.2		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	40.2		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	40.1		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	39		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	38.2		1.9	4	5	ug/L
208-96-8	Acenaphthylene	41		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	37.3		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	29.5		2.4	4	5	ug/L
83-32-9	Acenaphthene	38.7		1.7	4	5	ug/L
Total PAH	Total PAH	676.7		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	66.2		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	67		2.8	8	10	ug/L
132-64-9	Dibenzofuran	38.4		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	73.1		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	35.8		2.5	4	5	ug/L
84-66-2	Diethylphthalate	36.4		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36.4		2.2	4	5	ug/L
86-73-7	Fluorene	37.3		2	4	5	ug/L
100-01-6	4-Nitroaniline	31.3		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40.6		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	42.3		2	4	5	ug/L
103-33-3	Azobenzene	36.1		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	41.6		2	4	5	ug/L
118-74-1	Hexachlorobenzene	41		1.9	4	5	ug/L
1912-24-9	Atrazine	39.2		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	66.9		2.6	8	10	ug/L
85-01-8	Phenanthrene	41.2		2	4	5	ug/L
120-12-7	Anthracene	40.7		2.3	4	5	ug/L
86-74-8	Carbazole	38.7		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	38.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	38.1		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BS	SDG No.:	BF122723
Lab Sample ID:	PB157937BS	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
BF136752.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	7.3	J	6.6	8	10	ug/L
129-00-0	Pyrene	36.6		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	40.1		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	44.7		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	40.1		1.5	4	5	ug/L
218-01-9	Chrysene	39.8		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	47.7		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	44		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.5		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.1		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.9		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	49.5		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	29.7		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	35		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	118.687		10-139		79	SPK: -150
13127-88-3	Phenol-d6	108.422		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	73.807		49-133		74	SPK: -100
321-60-8	2-Fluorobiphenyl	74.852		52-132		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	103.311		32-145		69	SPK: -150
1718-51-0	Terphenyl-d14	68.06		36-145		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92748	6.786				
1146-65-2	Naphthalene-d8	370045	8.063				
15067-26-2	Acenaphthene-d10	171632	9.822				
1517-22-2	Phenanthrene-d10	295500	11.316				
1719-03-5	Chrysene-d12	172808	13.968				
1520-96-3	Perylene-d12	157848	15.445				



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Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157937BS	SDG No.:	BF122723
Lab Sample ID:	PB157937BS	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
BF136752.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122723
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136753.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122723
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136753.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122723
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136753.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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	40.517		10-139		27	SPK: -150
13127-88-3	Phenol-d6	21.455		10-134		14	SPK: -150
4165-60-0	Nitrobenzene-d5	78.569		49-133		79	SPK: -100
321-60-8	2-Fluorobiphenyl	80.856		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	107.851		32-145		72	SPK: -150
1718-51-0	Terphenyl-d14	68.452		36-145		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65967	6.781				
1146-65-2	Naphthalene-d8	246961	8.057				
15067-26-2	Acenaphthene-d10	124623	9.816				
1517-22-2	Phenanthrene-d10	222958	11.31				
1719-03-5	Chrysene-d12	134529	13.963				
1520-96-3	Perylene-d12	153000	15.439				



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Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	SP-303-20231218	SDG No.:	BF122723
Lab Sample ID:	O5921-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136753.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	6.3	J			11.839	
000057-11-4	Octadecanoic acid	3.1	J			12.627	

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	MW-1B-EE-NNRE	SDG No.:	BF122723
Lab Sample ID:	O5791-11RE	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
BF136754.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157753

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	14.8		2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	MW-1B-EE-NNRE	SDG No.:	BF122723
Lab Sample ID:	O5791-11RE	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
BF136754.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157753

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

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	MW-1B-EE-NNRE	SDG No.:	BF122723
Lab Sample ID:	O5791-11RE	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
BF136754.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157753

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	69.586		10-139		46	SPK: -150
13127-88-3	Phenol-d6	43.344		10-134		29	SPK: -150
4165-60-0	Nitrobenzene-d5	45.714	*	49-133		46	SPK: -100
321-60-8	2-Fluorobiphenyl	49.562	*	52-132		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	118.71		32-145		79	SPK: -150
1718-51-0	Terphenyl-d14	36.474		36-145		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76324	6.781				
1146-65-2	Naphthalene-d8	281974	8.057				
15067-26-2	Acenaphthene-d10	131821	9.816				
1517-22-2	Phenanthrene-d10	214531	11.31				
1719-03-5	Chrysene-d12	146092	13.963				
1520-96-3	Perylene-d12	151821	15.451				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	MW-1B-EE-NNRE	SDG No.:	BF122723
Lab Sample ID:	O5791-11RE	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 :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136754.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157753

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

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0	SDG No.:	BF122723
Lab Sample ID:	O5967-11	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF136755.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0	SDG No.:	BF122723
Lab Sample ID:	O5967-11	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF136755.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.7	U	4.7	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4.1	5.1	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:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0	SDG No.:	BF122723
Lab Sample ID:	O5967-11	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF136755.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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	33.695		10-139		22	SPK: -150
13127-88-3	Phenol-d6	18.736		10-134		12	SPK: -150
4165-60-0	Nitrobenzene-d5	61.317		49-133		61	SPK: -100
321-60-8	2-Fluorobiphenyl	63.146		52-132		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.925		32-145		62	SPK: -150
1718-51-0	Terphenyl-d14	65.09		36-145		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68294	6.787				
1146-65-2	Naphthalene-d8	261736	8.063				
15067-26-2	Acenaphthene-d10	132243	9.816				
1517-22-2	Phenanthrene-d10	243928	11.31				
1719-03-5	Chrysene-d12	134143	13.963				
1520-96-3	Perylene-d12	143791	15.445				



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Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0	SDG No.:	BF122723
Lab Sample ID:	O5967-11	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	980	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
BF136755.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	11	J			11.845	
000057-11-4	Octadecanoic acid	3.6	J			12.633	

Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MS	SDG No.:	BF122723
Lab Sample ID:	O5967-12MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990 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
BF136756.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	13.8		2	8.1	10.1	ug/L
110-86-1	Pyridine	15.4		1.8	4	5.1	ug/L
100-52-7	Benzaldehyde	13.6		3.3	8.1	10.1	ug/L
62-53-3	Aniline	15.3		2.4	4	5.1	ug/L
108-95-2	Phenol	7.5		1.5	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	33		1.7	4	5.1	ug/L
95-57-8	2-Chlorophenol	20.9		1.4	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	32.1		1.3	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	31.6		1.8	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	31.7		1.4	4	5.1	ug/L
100-51-6	Benzyl Alcohol	22.7		2.4	8.1	10.1	ug/L
95-48-7	2-Methylphenol	16.9		2.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	32.2		2.3	4	5.1	ug/L
98-86-2	Acetophenone	35		1.8	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	14.8		2.2	8.1	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	32.7		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	31.2		1.7	4	5.1	ug/L
98-95-3	Nitrobenzene	32		1.7	4	5.1	ug/L
78-59-1	Isophorone	32.3		1.7	4	5.1	ug/L
88-75-5	2-Nitrophenol	24.7		2.4	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	28.4		3	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	32.8		2.1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	23.2		1.7	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	32.1		1.7	4	5.1	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8.1	10.1	ug/L
91-20-3	Naphthalene	31.6		1.7	4	5.1	ug/L
106-47-8	4-Chloroaniline	11.6		2.6	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	31.3		1.9	4	5.1	ug/L
105-60-2	Caprolactam	5.2	J	3.5	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	21.1		1.8	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	31.3		2.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MS	SDG No.:	BF122723
Lab Sample ID:	O5967-12MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990 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
BF136756.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	83.3	E	5.8	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	25.1		1.5	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	24		1.6	4	5.1	ug/L
92-52-4	1,1-Biphenyl	35		1.8	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	33.2		1.6	4	5.1	ug/L
88-74-4	2-Nitroaniline	34.6		2.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	33.6		1.9	4	5.1	ug/L
208-96-8	Acenaphthylene	36.2		2.2	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	33.3		2.1	4	5.1	ug/L
99-09-2	3-Nitroaniline	17.3		2.4	4	5.1	ug/L
83-32-9	Acenaphthene	33.3		1.7	4	5.1	ug/L
Total PAH	Total PAH	524.2		31.2	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	34.2		5.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	12.5		2.8	8.1	10.1	ug/L
132-64-9	Dibenzofuran	33.7		1.6	4	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	32.2		2.6	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	65.5		4.7	4	10.2	ug/L
84-66-2	Diethylphthalate	33.5		2.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	32.5		2.2	4	5.1	ug/L
86-73-7	Fluorene	33.2		2.1	4	5.1	ug/L
100-01-6	4-Nitroaniline	29.5		2.4	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	21.5		1.8	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	36.5		2	4	5.1	ug/L
103-33-3	Azobenzene	33.2		1.7	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	35.4		2	4	5.1	ug/L
118-74-1	Hexachlorobenzene	34.9		1.9	4	5.1	ug/L
1912-24-9	Atrazine	45.6		3.5	4	5.1	ug/L
87-86-5	Pentachlorophenol	40.2		2.6	8.1	10.1	ug/L
85-01-8	Phenanthrene	35		2	4	5.1	ug/L
120-12-7	Anthracene	34.9		2.3	4	5.1	ug/L
86-74-8	Carbazole	32.2		1.7	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	35.8		2.4	4	5.1	ug/L
206-44-0	Fluoranthene	30.5		2.1	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MS	SDG No.:	BF122723
Lab Sample ID:	O5967-12MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BF136756.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	28.4		6.6	8.1	10.1	ug/L
129-00-0	Pyrene	31.8		1.9	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	35.6		2.8	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	19.5		5.4	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	33.4		1.5	4	5.1	ug/L
218-01-9	Chrysene	32.8		1.6	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38.2		3	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	40		3.2	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	31.1		1.5	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	29.6		1.9	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	32.9		2.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	33.5		2.1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	34		2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	30.4		1.9	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	36.4		2.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	13.2		2.5	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	24.2		1.3	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	30.9		2.1	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	31.88		10-139		21	SPK: -150
13127-88-3	Phenol-d6	18.022		10-134		12	SPK: -150
4165-60-0	Nitrobenzene-d5	64.172		49-133		64	SPK: -100
321-60-8	2-Fluorobiphenyl	64.638		52-132		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.963		32-145		57	SPK: -150
1718-51-0	Terphenyl-d14	65.587		36-145		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71330	6.787				
1146-65-2	Naphthalene-d8	277226	8.063				
15067-26-2	Acenaphthene-d10	137230	9.822				
1517-22-2	Phenanthrene-d10	243937	11.31				
1719-03-5	Chrysene-d12	127780	13.968				
1520-96-3	Perylene-d12	149437	15.445				



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Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MS	SDG No.:	BF122723
Lab Sample ID:	O5967-12MS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136756.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MSD	SDG No.:	BF122723
Lab Sample ID:	O5967-13MSD	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
BF136757.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	13.8		2	8	10	ug/L
110-86-1	Pyridine	15.6		1.8	4	5	ug/L
100-52-7	Benzaldehyde	13.7		3.3	8	10	ug/L
62-53-3	Aniline	14.7		2.4	4	5	ug/L
108-95-2	Phenol	7.4		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	33.2		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	20.9		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	33.1		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	32.5		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	32.1		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	22.3		2.4	8	10	ug/L
95-48-7	2-Methylphenol	16.6		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	32.9		2.3	4	5	ug/L
98-86-2	Acetophenone	36.7		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	14.4		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	32.6		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	32.6		1.6	4	5	ug/L
98-95-3	Nitrobenzene	32.6		1.7	4	5	ug/L
78-59-1	Isophorone	33.3		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	25		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	28.1		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	33.7		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	23.7		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	33.5		1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	33		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	12.2		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	33.1		1.9	4	5	ug/L
105-60-2	Caprolactam	5.2	J	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	20		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	32		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MSD	SDG No.:	BF122723
Lab Sample ID:	O5967-13MSD	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
BF136757.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	89.8	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	25.5		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	23.7		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	36.8		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	35.7		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	34		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	33.6		1.9	4	5	ug/L
208-96-8	Acenaphthylene	37.6		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	32.7		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	16.6		2.4	4	5	ug/L
83-32-9	Acenaphthene	33.7		1.7	4	5	ug/L
Total PAH	Total PAH	532.7		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	32.1		5.5	8	10	ug/L
100-02-7	4-Nitrophenol	11		2.8	8	10	ug/L
132-64-9	Dibenzofuran	34.8		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	64.2		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	31.5		2.5	4	5	ug/L
84-66-2	Diethylphthalate	32.4		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	34.1		2.2	4	5	ug/L
86-73-7	Fluorene	34		2	4	5	ug/L
100-01-6	4-Nitroaniline	27.8		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	20.8		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	37.6		2	4	5	ug/L
103-33-3	Azobenzene	32.3		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	36.2		2	4	5	ug/L
118-74-1	Hexachlorobenzene	36.1		1.9	4	5	ug/L
1912-24-9	Atrazine	44.3		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	38.9		2.6	8	10	ug/L
85-01-8	Phenanthrene	35.8		2	4	5	ug/L
120-12-7	Anthracene	35.1		2.3	4	5	ug/L
86-74-8	Carbazole	32.6		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	35		2.4	4	5	ug/L
206-44-0	Fluoranthene	31.4		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MSD	SDG No.:	BF122723
Lab Sample ID:	O5967-13MSD	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
BF136757.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	29.3		6.6	8	10	ug/L
129-00-0	Pyrene	28		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	32.3		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	22.2		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	34.4		1.5	4	5	ug/L
218-01-9	Chrysene	33		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	35.3		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	41.2		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	31.9		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	29.4		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	33		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	34.9		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	35.7		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	31.8		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	14.7		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	21.9		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	31.2		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	33.17		10-139		22	SPK: -150
13127-88-3	Phenol-d6	18.057		10-134		12	SPK: -150
4165-60-0	Nitrobenzene-d5	66.595		49-133		67	SPK: -100
321-60-8	2-Fluorobiphenyl	69.764		52-132		70	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.953		32-145		57	SPK: -150
1718-51-0	Terphenyl-d14	58.895		36-145		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60631	6.781				
1146-65-2	Naphthalene-d8	224935	8.063				
15067-26-2	Acenaphthene-d10	104762	9.816				
1517-22-2	Phenanthrene-d10	179003	11.31				
1719-03-5	Chrysene-d12	113608	13.963				
1520-96-3	Perylene-d12	143829	15.445				



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Report of Analysis

Client:		Date Collected:	12/15/2023 12:00:00 AM
Project:		Date Received:	12/15/2023 12:00:00 AM
Client Sample ID:	C0LT0MSD	SDG No.:	BF122723
Lab Sample ID:	O5967-13MSD	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
BF136757.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158018

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-12-13RE	SDG No.:	BF122723
Lab Sample ID:	O5796-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136758.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	81.6	U	81.6	280	350	ug/Kg
110-86-1	Pyridine	76.4	U	76.4	140	180	ug/Kg
100-52-7	Benzaldehyde	160	U	160	280	350	ug/Kg
62-53-3	Aniline	120	U	120	140	180	ug/Kg
108-95-2	Phenol	78.5	U	78.5	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.7	U	94.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	76	U	76	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	86.2	U	86.2	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	93.4	U	93.4	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.9	U	86.9	140	180	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	280	350	ug/Kg
95-48-7	2-Methylphenol	120	U	120	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	180	ug/Kg
98-86-2	Acetophenone	91.5	U	91.5	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.2	U	62.2	84.4	84.4	ug/Kg
67-72-1	Hexachloroethane	77.7	U	77.7	140	180	ug/Kg
98-95-3	Nitrobenzene	79.3	U	79.3	140	180	ug/Kg
78-59-1	Isophorone	71.8	U	71.8	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	82.4	U	82.4	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	81.8	U	81.8	140	180	ug/Kg
65-85-0	Benzoic acid	230	U	230	280	350	ug/Kg
91-20-3	Naphthalene	85.9	U	85.9	140	180	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.6	U	88.6	140	180	ug/Kg
105-60-2	Caprolactam	120	U	120	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87	U	87	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-12-13RE	SDG No.:	BF122723
Lab Sample ID:	O5796-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136758.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	220	U	220	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.3	U	81.3	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.7	U	92.7	140	180	ug/Kg
92-52-4	1,1-Biphenyl	96.3	U	96.3	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.3	U	89.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	93.8	U	93.8	140	180	ug/Kg
208-96-8	Acenaphthylene	93.3	U	93.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	95	U	95	140	180	ug/Kg
99-09-2	3-Nitroaniline	98.5	U	98.5	140	180	ug/Kg
83-32-9	Acenaphthene	84.7	U	84.7	140	180	ug/Kg
Total PAH	Total PAH	1520	U	1513.9	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	280	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	350	ug/Kg
132-64-9	Dibenzofuran	81.1	U	81.1	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	205	U	205	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	180	ug/Kg
84-66-2	Diethylphthalate	90.6	U	90.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.4	U	95.4	140	180	ug/Kg
86-73-7	Fluorene	89.5	U	89.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	92.6	U	92.6	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.4	U	98.4	140	180	ug/Kg
103-33-3	Azobenzene	77.5	U	77.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	140	180	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	140	180	ug/Kg
1912-24-9	Atrazine	100	U	100	140	180	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	280	350	ug/Kg
85-01-8	Phenanthrene	330		97.8	140	180	ug/Kg
120-12-7	Anthracene	110	U	110	140	180	ug/Kg
86-74-8	Carbazole	89.6	U	89.6	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	180	ug/Kg
206-44-0	Fluoranthene	340		99.6	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-12-13RE	SDG No.:	BF122723
Lab Sample ID:	O5796-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136758.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	200	U	200	280	350	ug/Kg
129-00-0	Pyrene	220		88.3	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	88.5	140	180	ug/Kg
218-01-9	Chrysene	170	J	91.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	J	84.7	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	92.9	U	92.9	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	99.5	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	97.6	U	97.6	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.3	U	94.3	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87.5	U	87.5	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	95.2	U	95.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	1.553	*	18-112		1	SPK: -150
13127-88-3	Phenol-d6	46.489		15-107		31	SPK: -150
4165-60-0	Nitrobenzene-d5	56.621		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	62.329		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	0	U	10-110		0	SPK: -150
1718-51-0	Terphenyl-d14	45.701		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66108	6.781				
1146-65-2	Naphthalene-d8	237093	8.057				
15067-26-2	Acenaphthene-d10	112255	9.816				
1517-22-2	Phenanthrene-d10	182527	11.31				
1719-03-5	Chrysene-d12	124710	13.968				
1520-96-3	Perylene-d12	152440	15.451				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-12-13RE	SDG No.:	BF122723
Lab Sample ID:	O5796-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136758.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-10-11	SDG No.:	BF122723
Lab Sample ID:	O5796-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
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
BF136759.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.8	U	92.8	320	400	ug/Kg
110-86-1	Pyridine	86.9	U	86.9	160	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	400	ug/Kg
62-53-3	Aniline	140	U	140	160	200	ug/Kg
108-95-2	Phenol	89.3	U	89.3	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	200	ug/Kg
95-57-8	2-Chlorophenol	86.4	U	86.4	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98	U	98	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.9	U	98.9	160	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.8	U	70.8	96	96	ug/Kg
67-72-1	Hexachloroethane	88.3	U	88.3	160	200	ug/Kg
98-95-3	Nitrobenzene	90.2	U	90.2	160	200	ug/Kg
78-59-1	Isophorone	81.7	U	81.7	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93.7	U	93.7	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93	U	93	160	200	ug/Kg
65-85-0	Benzoic acid	260	U	260	320	400	ug/Kg
91-20-3	Naphthalene	97.7	U	97.7	160	200	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99	U	99	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-10-11	SDG No.:	BF122723
Lab Sample ID:	O5796-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
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
BF136759.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92.5	U	92.5	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	96.4	U	96.4	160	200	ug/Kg
Total PAH	Total PAH	1720.5	U	1720.5	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	320	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	400	ug/Kg
132-64-9	Dibenzofuran	92.3	U	92.3	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	200	ug/Kg
86-73-7	Fluorene	100	U	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	200	ug/Kg
103-33-3	Azobenzene	88.2	U	88.2	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	400	ug/Kg
85-01-8	Phenanthrene	140	J	110	160	200	ug/Kg
120-12-7	Anthracene	120	U	120	160	200	ug/Kg
86-74-8	Carbazole	100	U	100	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	160	200	ug/Kg
206-44-0	Fluoranthene	190	J	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-10-11	SDG No.:	BF122723
Lab Sample ID:	O5796-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
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
BF136759.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	400	ug/Kg
129-00-0	Pyrene	130	J	100	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	200	ug/Kg
218-01-9	Chrysene	100	U	100	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	96.4	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.5	U	99.5	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.274		18-112		46	SPK: -150
13127-88-3	Phenol-d6	68.48		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	50.472		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	54.556		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	52.891		10-110		35	SPK: -150
1718-51-0	Terphenyl-d14	41.309		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75790	6.781				
1146-65-2	Naphthalene-d8	279523	8.057				
15067-26-2	Acenaphthene-d10	133025	9.816				
1517-22-2	Phenanthrene-d10	213790	11.304				
1719-03-5	Chrysene-d12	140908	13.963				
1520-96-3	Perylene-d12	177459	15.439				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-10-11	SDG No.:	BF122723
Lab Sample ID:	O5796-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.7
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
BF136759.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	A			5.016	
000057-10-3	n-Hexadecanoic acid	180	J			11.839	

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157875TB	SDG No.:	BF122723
Lab Sample ID:	PB157875TB	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
BF136763.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157875TB	SDG No.:	BF122723
Lab Sample ID:	PB157875TB	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
BF136763.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157875TB	SDG No.:	BF122723
Lab Sample ID:	PB157875TB	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
BF136763.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	118.138		10-139		79	SPK: -150
13127-88-3	Phenol-d6	112.563		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	80.671		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	81.025		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	107.207		32-145		71	SPK: -150
1718-51-0	Terphenyl-d14	76.011		36-145		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73914	6.781				
1146-65-2	Naphthalene-d8	278238	8.057				
15067-26-2	Acenaphthene-d10	142783	9.816				
1517-22-2	Phenanthrene-d10	260138	11.304				
1719-03-5	Chrysene-d12	156989	13.963				
1520-96-3	Perylene-d12	145648	15.439				



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Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PB157875TB	SDG No.:	BF122723
Lab Sample ID:	PB157875TB	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
BF136763.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-61	SDG No.:	BF122723
Lab Sample ID:	O5900-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
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
BF136764.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157954

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	380	460	ug/Kg
110-86-1	Pyridine	100	U	100	180	240	ug/Kg
100-52-7	Benzaldehyde	210	U	210	380	460	ug/Kg
62-53-3	Aniline	160	U	160	180	240	ug/Kg
108-95-2	Phenol	100	U	100	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	180	240	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	140	U	140	380	460	ug/Kg
95-48-7	2-Methylphenol	160	U	160	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	150	180	240	ug/Kg
98-86-2	Acetophenone	120	U	120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	83	U	83	110	110	ug/Kg
67-72-1	Hexachloroethane	100	U	100	180	240	ug/Kg
98-95-3	Nitrobenzene	110	U	110	180	240	ug/Kg
78-59-1	Isophorone	95.9	U	95.9	180	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	180	240	ug/Kg
65-85-0	Benzoic acid	300	U	300	380	460	ug/Kg
91-20-3	Naphthalene	110	U	110	180	240	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	240	ug/Kg
105-60-2	Caprolactam	160	U	160	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-61	SDG No.:	BF122723
Lab Sample ID:	O5900-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
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
BF136764.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157954

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	300	U	300	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	180	240	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	180	240	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	180	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	180	240	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	180	240	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	240	ug/Kg
Total PAH	Total PAH	2000	U	2000	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	380	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	460	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	270	U	270	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	180	240	ug/Kg
84-66-2	Diethylphthalate	120	U	120	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	180	240	ug/Kg
86-73-7	Fluorene	120	U	120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	180	240	ug/Kg
103-33-3	Azobenzene	100	U	100	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	180	240	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	180	240	ug/Kg
1912-24-9	Atrazine	130	U	130	180	240	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	380	460	ug/Kg
85-01-8	Phenanthrene	130	U	130	180	240	ug/Kg
120-12-7	Anthracene	140	U	140	180	240	ug/Kg
86-74-8	Carbazole	120	U	120	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	180	240	ug/Kg
206-44-0	Fluoranthene	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-61	SDG No.:	BF122723
Lab Sample ID:	O5900-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
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
BF136764.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157954

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	270	U	270	380	460	ug/Kg
129-00-0	Pyrene	120	U	120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	230	U	230	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	180	240	ug/Kg
218-01-9	Chrysene	120	U	120	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	J	160	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	180	240	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	130	U	130	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	71.165		18-112		47	SPK: -150
13127-88-3	Phenol-d6	69.644		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	49.19		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	50.77		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.112		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	47.989		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68999	6.781				
1146-65-2	Naphthalene-d8	256829	8.057				
15067-26-2	Acenaphthene-d10	128640	9.816				
1517-22-2	Phenanthrene-d10	242042	11.304				
1719-03-5	Chrysene-d12	130150	13.957				
1520-96-3	Perylene-d12	149999	15.439				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	GHL-SS-61	SDG No.:	BF122723
Lab Sample ID:	O5900-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
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
BF136764.D	1	12/21/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157954

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	450	J			11.839	
000057-11-4	Octadecanoic acid	150	J			12.627	
007365-36-8	Heptafluorobutyric acid, n-tetradecanoic acid	230	J			13.88	

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MS	SDG No.:	BF122723
Lab Sample ID:	O5796-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136765.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		87.2	300	370	ug/Kg
110-86-1	Pyridine	1300		81.7	150	190	ug/Kg
100-52-7	Benzaldehyde	750		170	300	370	ug/Kg
62-53-3	Aniline	720		130	150	190	ug/Kg
108-95-2	Phenol	1400		83.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		100	150	190	ug/Kg
95-57-8	2-Chlorophenol	1500		81.2	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		92.2	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		99.8	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		93	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1600		110	300	370	ug/Kg
95-48-7	2-Methylphenol	1400		130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		120	150	190	ug/Kg
98-86-2	Acetophenone	1700		97.8	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1400		120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		66.6	90.3	90.3	ug/Kg
67-72-1	Hexachloroethane	1400		83	150	190	ug/Kg
98-95-3	Nitrobenzene	1500		84.8	150	190	ug/Kg
78-59-1	Isophorone	1500		76.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	1600		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		88.1	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		87.4	150	190	ug/Kg
65-85-0	Benzoic acid	1600		240	300	370	ug/Kg
91-20-3	Naphthalene	1500		91.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	380		120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		94.8	150	190	ug/Kg
105-60-2	Caprolactam	1600		130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		93.1	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1400		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MS	SDG No.:	BF122723
Lab Sample ID:	O5796-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136765.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3800	E	240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		87	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		99.2	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1800		100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1600		95.4	150	190	ug/Kg
88-74-4	2-Nitroaniline	1700		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	1700		100	150	190	ug/Kg
208-96-8	Acenaphthylene	1700		99.7	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		100	150	190	ug/Kg
99-09-2	3-Nitroaniline	1300		110	150	190	ug/Kg
83-32-9	Acenaphthene	1500		90.6	150	190	ug/Kg
Total PAH	Total PAH	24900		1624.8	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	2700		200	300	370	ug/Kg
100-02-7	4-Nitrophenol	3000		130	300	370	ug/Kg
132-64-9	Dibenzofuran	1500		86.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		110	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1100		210	150	380	ug/Kg
84-66-2	Diethylphthalate	1600		96.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		100	150	190	ug/Kg
86-73-7	Fluorene	1400		95.7	150	190	ug/Kg
100-01-6	4-Nitroaniline	1200		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		99.1	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		110	150	190	ug/Kg
103-33-3	Azobenzene	1400		82.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		110	150	190	ug/Kg
1912-24-9	Atrazine	2200		110	150	190	ug/Kg
87-86-5	Pentachlorophenol	3300	E	130	300	370	ug/Kg
85-01-8	Phenanthrene	1700		100	150	190	ug/Kg
120-12-7	Anthracene	1600		120	150	190	ug/Kg
86-74-8	Carbazole	1600		95.8	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	1700		120	150	190	ug/Kg
206-44-0	Fluoranthene	1500		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MS	SDG No.:	BF122723
Lab Sample ID:	O5796-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136765.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	300	370	ug/Kg
129-00-0	Pyrene	1600		94.4	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	1600		120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		94.7	150	190	ug/Kg
218-01-9	Chrysene	1900		97.9	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		90.6	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		99.4	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		100	150	190	ug/Kg
123-91-1	1,4-Dioxane	1400		130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		93.5	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1400		100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.173		18-112		56	SPK: -150
13127-88-3	Phenol-d6	83.118		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	61.277		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	68.416		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	79.399		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	59.905		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75735	6.781				
1146-65-2	Naphthalene-d8	276627	8.063				
15067-26-2	Acenaphthene-d10	120002	9.816				
1517-22-2	Phenanthrene-d10	181590	11.31				
1719-03-5	Chrysene-d12	103564	13.992				
1520-96-3	Perylene-d12	121257	15.498				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MS	SDG No.:	BF122723
Lab Sample ID:	O5796-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.08	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
BF136765.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MSD	SDG No.:	BF122723
Lab Sample ID:	O5796-06MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136766.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		87.3	300	370	ug/Kg
110-86-1	Pyridine	1300		81.7	150	190	ug/Kg
100-52-7	Benzaldehyde	760		170	300	370	ug/Kg
62-53-3	Aniline	700		130	150	190	ug/Kg
108-95-2	Phenol	1500		84	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		100	150	190	ug/Kg
95-57-8	2-Chlorophenol	1500		81.3	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		92.2	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		99.9	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		93	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1600		110	300	370	ug/Kg
95-48-7	2-Methylphenol	1400		130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		120	150	190	ug/Kg
98-86-2	Acetophenone	1600		97.9	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1400		120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		66.6	90.3	90.3	ug/Kg
67-72-1	Hexachloroethane	1400		83.1	150	190	ug/Kg
98-95-3	Nitrobenzene	1500		84.9	150	190	ug/Kg
78-59-1	Isophorone	1500		76.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	1600		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		88.2	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		87.5	150	190	ug/Kg
65-85-0	Benzoic acid	1600		240	300	370	ug/Kg
91-20-3	Naphthalene	1500		91.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	370		120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		94.8	150	190	ug/Kg
105-60-2	Caprolactam	1600		130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		93.1	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1400		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MSD	SDG No.:	BF122723
Lab Sample ID:	O5796-06MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136766.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3400	E	240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		87	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		99.2	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1600		95.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	1700		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	1700		100	150	190	ug/Kg
208-96-8	Acenaphthylene	1600		99.8	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		100	150	190	ug/Kg
99-09-2	3-Nitroaniline	1200		110	150	190	ug/Kg
83-32-9	Acenaphthene	1500		90.7	150	190	ug/Kg
Total PAH	Total PAH	24700		1625.5	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		200	300	370	ug/Kg
100-02-7	4-Nitrophenol	3000	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	1500		86.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1100		210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		110	150	190	ug/Kg
84-66-2	Diethylphthalate	1600		97	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		100	150	190	ug/Kg
86-73-7	Fluorene	1400		95.7	150	190	ug/Kg
100-01-6	4-Nitroaniline	1200		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		99.1	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		110	150	190	ug/Kg
103-33-3	Azobenzene	1400		83	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		110	150	190	ug/Kg
1912-24-9	Atrazine	2300		110	150	190	ug/Kg
87-86-5	Pentachlorophenol	3300	E	130	300	370	ug/Kg
85-01-8	Phenanthrene	1600		100	150	190	ug/Kg
120-12-7	Anthracene	1600		120	150	190	ug/Kg
86-74-8	Carbazole	1600		95.8	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	1600		120	150	190	ug/Kg
206-44-0	Fluoranthene	1500		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MSD	SDG No.:	BF122723
Lab Sample ID:	O5796-06MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136766.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	300	370	ug/Kg
129-00-0	Pyrene	1500		94.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	1700		120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		94.7	150	190	ug/Kg
218-01-9	Chrysene	1900		98	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		90.7	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		99.5	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		100	150	190	ug/Kg
123-91-1	1,4-Dioxane	1400		130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		93.6	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1400		100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.903		18-112		57	SPK: -150
13127-88-3	Phenol-d6	83.261		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	60.954		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	67.621		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.149		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	58.737		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77510	6.787				
1146-65-2	Naphthalene-d8	286721	8.063				
15067-26-2	Acenaphthene-d10	129066	9.822				
1517-22-2	Phenanthrene-d10	192629	11.31				
1719-03-5	Chrysene-d12	105924	13.992				
1520-96-3	Perylene-d12	121402	15.504				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-04-13-14MSD	SDG No.:	BF122723
Lab Sample ID:	O5796-06MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136766.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	597-P-2RE	SDG No.:	BF122723
Lab Sample ID:	O5791-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	39.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136767.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	76.3	U	76.3	270	330	ug/Kg
110-86-1	Pyridine	71.4	U	71.4	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	73.4	U	73.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.6	U	88.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	71	U	71	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	80.6	U	80.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	87.3	U	87.3	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	81.3	U	81.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	97.5	U	97.5	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	85.5	U	85.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.2	U	58.2	78.9	78.9	ug/Kg
67-72-1	Hexachloroethane	72.6	U	72.6	130	170	ug/Kg
98-95-3	Nitrobenzene	74.2	U	74.2	130	170	ug/Kg
78-59-1	Isophorone	67.2	U	67.2	130	170	ug/Kg
88-75-5	2-Nitrophenol	93.8	U	93.8	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	98.3	U	98.3	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77	U	77	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	76.4	U	76.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	80.3	U	80.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	82.9	U	82.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.4	U	81.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	93.6	U	93.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	597-P-2RE	SDG No.:	BF122723
Lab Sample ID:	O5791-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	39.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136767.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

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	76.1	U	76.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.7	U	86.7	130	170	ug/Kg
92-52-4	1,1-Biphenyl	90.1	U	90.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.5	U	83.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	98	U	98	130	170	ug/Kg
131-11-3	Dimethylphthalate	87.7	U	87.7	130	170	ug/Kg
208-96-8	Acenaphthylene	87.2	U	87.2	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.8	U	88.8	130	170	ug/Kg
99-09-2	3-Nitroaniline	92.1	U	92.1	130	170	ug/Kg
83-32-9	Acenaphthene	79.2	U	79.2	130	170	ug/Kg
Total PAH	Total PAH	1421.4	U	1421.4	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	75.9	U	75.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.5	U	98.5	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	87.3	U	187.3	130	340	ug/Kg
84-66-2	Diethylphthalate	84.7	U	84.7	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.2	U	89.2	130	170	ug/Kg
86-73-7	Fluorene	83.7	U	83.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.6	U	86.6	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92	U	92	130	170	ug/Kg
103-33-3	Azobenzene	72.5	U	72.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	96.1	U	96.1	130	170	ug/Kg
118-74-1	Hexachlorobenzene	97.5	U	97.5	130	170	ug/Kg
1912-24-9	Atrazine	94.1	U	94.1	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	91.4	U	91.4	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	83.7	U	83.7	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	93.1	U	93.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	597-P-2RE	SDG No.:	BF122723
Lab Sample ID:	O5791-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	39.2
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136767.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

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	82.6	U	82.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	82.8	U	82.8	130	170	ug/Kg
218-01-9	Chrysene	85.6	U	85.6	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	79.2	U	79.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.9	U	86.9	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	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	95.2	U	95.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	91.2	U	91.2	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.2	U	88.2	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	81.8	U	81.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	89	U	89	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.421		18-112		55	SPK: -150
13127-88-3	Phenol-d6	79.575		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	53.994		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	56.046		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	75.496		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	50.626		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79319	6.781				
1146-65-2	Naphthalene-d8	301841	8.057				
15067-26-2	Acenaphthene-d10	155630	9.816				
1517-22-2	Phenanthrene-d10	269362	11.304				
1719-03-5	Chrysene-d12	149241	13.963				
1520-96-3	Perylene-d12	176638	15.439				



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Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	597-P-2RE	SDG No.:	BF122723
Lab Sample ID:	O5791-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	39.2
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
BF136767.D	1	12/13/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157746

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

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-13	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
BF136768.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	1100	E	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	190		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-13	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
BF136768.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	25.4	J	17.2	40	50	ug/L
Total PAH	Total PAH	1147.3		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	21.9	J	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:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-13	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
BF136768.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	140		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	100.804		10-139		67	SPK: -150
13127-88-3	Phenol-d6	91.942		10-134		61	SPK: -150
4165-60-0	Nitrobenzene-d5	75.57		49-133		76	SPK: -100
321-60-8	2-Fluorobiphenyl	77.453		52-132		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	110.582		32-145		74	SPK: -150
1718-51-0	Terphenyl-d14	75.64		36-145		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77841	6.781				
1146-65-2	Naphthalene-d8	295518	8.063				
15067-26-2	Acenaphthene-d10	150136	9.816				
1517-22-2	Phenanthrene-d10	276948	11.304				
1719-03-5	Chrysene-d12	149066	13.963				
1520-96-3	Perylene-d12	168881	15.439				



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Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-13	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
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
BF136768.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MS	SDG No.:	BF122723
Lab Sample ID:	O5862-13MS	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
BF136769.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		20.2	80	100	ug/L
110-86-1	Pyridine	270		17.8	40	50	ug/L
100-52-7	Benzaldehyde	210		32.8	80	100	ug/L
62-53-3	Aniline	230		24.2	40	50	ug/L
108-95-2	Phenol	370		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	410		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	430		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	390		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	390		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	390		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	460		23.8	80	100	ug/L
95-48-7	2-Methylphenol	410		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	410		22.6	40	50	ug/L
98-86-2	Acetophenone	440		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	400		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	420		19.8	25	25	ug/L
67-72-1	Hexachloroethane	390		16.4	40	50	ug/L
98-95-3	Nitrobenzene	400		17.2	40	50	ug/L
78-59-1	Isophorone	430		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	430		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	520		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	430		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	430		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	410		17	40	50	ug/L
65-85-0	Benzoic acid	250		66.5	80	100	ug/L
91-20-3	Naphthalene	1600	E	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	49.8	J	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	390		19.3	40	50	ug/L
105-60-2	Caprolactam	390		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	430		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	600		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MS	SDG No.:	BF122723
Lab Sample ID:	O5862-13MS	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
BF136769.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	710		57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	450		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	430		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	470		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	430		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	450		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	460		18.8	40	50	ug/L
208-96-8	Acenaphthylene	480		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	430		21	40	50	ug/L
99-09-2	3-Nitroaniline	240		23.6	40	50	ug/L
83-32-9	Acenaphthene	460		17.2	40	50	ug/L
Total PAH	Total PAH	8130		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	510		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	740		28	80	100	ug/L
132-64-9	Dibenzofuran	440		15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	430		25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	860		46.4	40	100	ug/L
84-66-2	Diethylphthalate	450		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	430		22.2	40	50	ug/L
86-73-7	Fluorene	460		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	400		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	370		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	480		19.5	40	50	ug/L
103-33-3	Azobenzene	440		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	460		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	450		19.1	40	50	ug/L
1912-24-9	Atrazine	600		35	40	50	ug/L
87-86-5	Pentachlorophenol	830	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	480		20	40	50	ug/L
120-12-7	Anthracene	460		22.8	40	50	ug/L
86-74-8	Carbazole	430		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		24	40	50	ug/L
206-44-0	Fluoranthene	400		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MS	SDG No.:	BF122723
Lab Sample ID:	O5862-13MS	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
BF136769.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230		65.8	80	100	ug/L
129-00-0	Pyrene	420		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	500		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	230		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	450		14.5	40	50	ug/L
218-01-9	Chrysene	440		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	550		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	590		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	420		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	400		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	430		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	420		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	430		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	380		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	360		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	460		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	550		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	113.111		10-139		75	SPK: -150
13127-88-3	Phenol-d6	103.832		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	82.726		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	85.23		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.417		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	87.003		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72464	6.787				
1146-65-2	Naphthalene-d8	283310	8.063				
15067-26-2	Acenaphthene-d10	144920	9.822				
1517-22-2	Phenanthrene-d10	265046	11.31				
1719-03-5	Chrysene-d12	136726	13.968				
1520-96-3	Perylene-d12	159170	15.445				



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Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MS	SDG No.:	BF122723
Lab Sample ID:	O5862-13MS	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
BF136769.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MSD	SDG No.:	BF122723
Lab Sample ID:	O5862-13MSD	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
BF136770.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	370		20.2	80	100	ug/L
110-86-1	Pyridine	250		17.8	40	50	ug/L
100-52-7	Benzaldehyde	190		32.8	80	100	ug/L
62-53-3	Aniline	220		24.2	40	50	ug/L
108-95-2	Phenol	340		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	380		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	390		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	360		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	360		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	360		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	430		23.8	80	100	ug/L
95-48-7	2-Methylphenol	380		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	380		22.6	40	50	ug/L
98-86-2	Acetophenone	410		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	380		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	390		19.8	25	25	ug/L
67-72-1	Hexachloroethane	360		16.4	40	50	ug/L
98-95-3	Nitrobenzene	380		17.2	40	50	ug/L
78-59-1	Isophorone	400		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	400		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	490		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	400		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	410		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	390		17	40	50	ug/L
65-85-0	Benzoic acid	230		66.5	80	100	ug/L
91-20-3	Naphthalene	1500	E	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	52.8		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	360		19.3	40	50	ug/L
105-60-2	Caprolactam	380		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	400		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	570		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MSD	SDG No.:	BF122723
Lab Sample ID:	O5862-13MSD	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
BF136770.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	630		57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	410		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	390		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	420		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	390		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	420		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	420		18.8	40	50	ug/L
208-96-8	Acenaphthylene	440		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	410		21	40	50	ug/L
99-09-2	3-Nitroaniline	230		23.6	40	50	ug/L
83-32-9	Acenaphthene	420		17.2	40	50	ug/L
Total PAH	Total PAH	7540		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	440		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	710		28	80	100	ug/L
132-64-9	Dibenzofuran	400		15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	400		25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	810		46.4	40	100	ug/L
84-66-2	Diethylphthalate	420		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	400		22.2	40	50	ug/L
86-73-7	Fluorene	420		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	380		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	340		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	430		19.5	40	50	ug/L
103-33-3	Azobenzene	410		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	420		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	410		19.1	40	50	ug/L
1912-24-9	Atrazine	550		35	40	50	ug/L
87-86-5	Pentachlorophenol	760		25.5	80	100	ug/L
85-01-8	Phenanthrene	440		20	40	50	ug/L
120-12-7	Anthracene	430		22.8	40	50	ug/L
86-74-8	Carbazole	400		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	450		24	40	50	ug/L
206-44-0	Fluoranthene	370		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MSD	SDG No.:	BF122723
Lab Sample ID:	O5862-13MSD	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
BF136770.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220		65.8	80	100	ug/L
129-00-0	Pyrene	420		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	490		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	220		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	410		14.5	40	50	ug/L
218-01-9	Chrysene	410		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	540		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	550		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	400		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	370		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	400		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	380		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	390		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	340		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	420		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	330		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	430		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	520		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	104.441		10-139		70	SPK: -150
13127-88-3	Phenol-d6	97.429		10-134		65	SPK: -150
4165-60-0	Nitrobenzene-d5	78.481		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	76.702		52-132		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	114.174		32-145		76	SPK: -150
1718-51-0	Terphenyl-d14	85.892		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83116	6.781				
1146-65-2	Naphthalene-d8	324049	8.063				
15067-26-2	Acenaphthene-d10	171682	9.822				
1517-22-2	Phenanthrene-d10	325395	11.31				
1719-03-5	Chrysene-d12	156445	13.969				
1520-96-3	Perylene-d12	173160	15.445				



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Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01MSD	SDG No.:	BF122723
Lab Sample ID:	O5862-13MSD	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
BF136770.D	1	12/20/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157937

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

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-07-10-11	SDG No.:	BF122723
Lab Sample ID:	O5827-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136771.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.5	U	91.5	320	390	ug/Kg
110-86-1	Pyridine	85.7	U	85.7	150	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	88.1	U	88.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	85.2	U	85.2	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.7	U	96.7	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	97.5	U	97.5	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	69.8	U	69.8	94.7	94.7	ug/Kg
67-72-1	Hexachloroethane	87.1	U	87.1	150	200	ug/Kg
98-95-3	Nitrobenzene	89	U	89	150	200	ug/Kg
78-59-1	Isophorone	80.6	U	80.6	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	92.4	U	92.4	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.7	U	91.7	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	96.4	U	96.4	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	99.4	U	99.4	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.7	U	97.7	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-07-10-11	SDG No.:	BF122723
Lab Sample ID:	O5827-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136771.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.3	U	91.3	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	95.1	U	95.1	150	200	ug/Kg
Total PAH	Total PAH	1685	U	1685	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	91	U	91	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	100	U	100	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	87	U	87	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	100	U	100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	130	J	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-07-10-11	SDG No.:	BF122723
Lab Sample ID:	O5827-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136771.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	110	J	99.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	99.3	U	99.3	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	J	95.1	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.1	U	98.1	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.349		18-112		50	SPK: -150
13127-88-3	Phenol-d6	73.422		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	53.703		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	57.205		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	52.155		10-110		35	SPK: -150
1718-51-0	Terphenyl-d14	45.051		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75465	6.781				
1146-65-2	Naphthalene-d8	278278	8.057				
15067-26-2	Acenaphthene-d10	133388	9.816				
1517-22-2	Phenanthrene-d10	210667	11.304				
1719-03-5	Chrysene-d12	132905	13.969				
1520-96-3	Perylene-d12	151116	15.468				



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

Report of Analysis

Client:		Date Collected:	12/12/2023 12:00:00 AM
Project:		Date Received:	12/12/2023 12:00:00 AM
Client Sample ID:	RT-SB-07-10-11	SDG No.:	BF122723
Lab Sample ID:	O5827-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136771.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	79.7	A			5.016	
000638-53-9	Tridecanoic acid	150	J			11.839	

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	RT-SB-09-10.5-11.5	SDG No.:	BF122723
Lab Sample ID:	O5827-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136772.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

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

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	RT-SB-09-10.5-11.5	SDG No.:	BF122723
Lab Sample ID:	O5827-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136772.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.8	U	88.8	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.5	U	97.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	92.5	U	92.5	150	200	ug/Kg
Total PAH	Total PAH	7440	U	1659.6	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	99	U	99	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	97.7	U	97.7	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	84.7	U	84.7	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	710		110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	110	J	97.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	1400		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	RT-SB-09-10.5-11.5	SDG No.:	BF122723
Lab Sample ID:	O5827-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136772.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	1100		96.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	900		96.7	150	200	ug/Kg
218-01-9	Chrysene	830		100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	900		92.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	350		100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	540		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	310		120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	J	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	280		110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.5	U	95.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.253		18-112		59	SPK: -150
13127-88-3	Phenol-d6	89.691		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	62.872		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	62.372		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	55.392		10-110		37	SPK: -150
1718-51-0	Terphenyl-d14	52.22		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67896	6.781				
1146-65-2	Naphthalene-d8	262211	8.057				
15067-26-2	Acenaphthene-d10	134160	9.816				
1517-22-2	Phenanthrene-d10	236482	11.31				
1719-03-5	Chrysene-d12	131309	13.962				
1520-96-3	Perylene-d12	151618	15.445				

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	RT-SB-09-10.5-11.5	SDG No.:	BF122723
Lab Sample ID:	O5827-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136772.D	1	12/14/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A			5.022	
000486-25-9	9H-Fluoren-9-one	110	J			11.11	
002531-84-2	Phenanthrene, 2-methyl-	120	J			11.81	
000832-69-9	Phenanthrene, 1-methyl-	240	J			11.839	
004505-48-0	1H-Indene, 2-phenyl-	87.2	J			11.916	
000256-81-5	5H-Dibenzo[a,d]cycloheptene	89.9	J			11.945	
000612-94-2	Naphthalene, 2-phenyl-	100	J			12.11	
000084-65-1	9,10-Anthracenedione	99.5	J			12.133	
000781-43-1	9,10-Dimethylantracene	190	J			12.363	
005737-13-3	Cyclopenta(def)phenanthrenone	190	J			12.451	
002381-21-7	Pyrene, 1-methyl-	100	J			12.98	
000243-17-4	11H-Benzo[b]fluorene	110	J			13.063	
003353-12-6	Pyrene, 4-methyl-	99.1	J			13.192	
000479-79-8	11H-Benzo[a]fluoren-11-one	170	J			13.598	
000243-46-9	Benzo[b]naphtho[2,3-d]thiophene	130	J			13.704	
000082-05-3	7H-Benz[de]anthracen-7-one	140	J			13.81	
002541-69-7	Benz[a]anthracene, 7-methyl-	90.3	J			14.351	
	unknown14.745	110	J			14.745	
000198-55-0	Perylene	130	J			15.115	
000192-97-2	Benzo[e]pyrene	580	J			15.315	

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-12	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
BF136773.D	1	12/18/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1800	E	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	680	E	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-12	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
BF136773.D	1	12/18/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	59.4		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	51.1		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	110	E	1.7	4	5	ug/L
Total PAH	Total PAH	2598.6	E	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	11.4		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	99	E	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	220	E	2	4	5	ug/L
120-12-7	Anthracene	52.4		2.3	4	5	ug/L
86-74-8	Carbazole	15.3		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	51.6		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-12	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
BF136773.D	1	12/18/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	96	E	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	37.2		1.5	4	5	ug/L
218-01-9	Chrysene	33.8		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	15.2		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	3.6	J	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	19.8		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.1	J	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	4.8	J	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	520	E	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	56.971		10-139		38	SPK: -150
13127-88-3	Phenol-d6	36.787		10-134		25	SPK: -150
4165-60-0	Nitrobenzene-d5	131.546		49-133		132	SPK: -100
321-60-8	2-Fluorobiphenyl	91.692		52-132		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	97.572		32-145		65	SPK: -150
1718-51-0	Terphenyl-d14	94.106		36-145		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67584	6.787				
1146-65-2	Naphthalene-d8	163596	8.086				
15067-26-2	Acenaphthene-d10	118705	9.822				
1517-22-2	Phenanthrene-d10	160400	11.316				
1719-03-5	Chrysene-d12	71547	14.004				
1520-96-3	Perylene-d12	106420	15.51				

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	WC-LIQUIDS-20231213-01	SDG No.:	BF122723
Lab Sample ID:	O5862-12	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
BF136773.D	1	12/18/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB157895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000108-38-3	Benzene, 1,3-dimethyl-	45	J			5.645	
000611-14-3	Benzene, 1-ethyl-2-methyl-	37.4	J			6.316	
000622-96-8	Benzene, 1-ethyl-4-methyl-	21.4	J			6.345	
000108-67-8	Mesitylene	45.9	J			6.616	
000496-11-7	Indane	190	J			6.987	
000095-13-6	Indene	76	J			7.057	
001127-76-0	Naphthalene, 1-ethyl-	40.5	J			9.339	
000575-43-9	Naphthalene, 1,6-dimethyl-	67	J			9.416	
000581-40-8	Naphthalene, 2,3-dimethyl-	77.5	J			9.486	
000582-16-1	Naphthalene, 2,7-dimethyl-	38.2	J			9.516	
000575-37-1	Naphthalene, 1,7-dimethyl-	38	J			9.598	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	23.9	J			10.133	
004537-15-9	Benzene, (1-butylheptyl)-	30	J			10.439	
004534-53-6	Benzene, (1-methyldodecyl)-	28.2	J			11.722	
	unknown13.316	22	J			13.316	
	unknown13.386	20	J			13.386	
053584-60-4	28-Nor-17.alpha.(H)-hopane	26.9	J			16.209	
013849-96-2	17.alpha.(H),21.beta.(H)-Hopane	21.4	J			16.657	

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BF122723
Lab Sample ID:	O6018-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136774.D	1	12/23/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93.5	U	93.5	330	400	ug/Kg
110-86-1	Pyridine	87.6	U	87.6	160	210	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	400	ug/Kg
62-53-3	Aniline	140	U	140	160	210	ug/Kg
108-95-2	Phenol	90	U	90	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	87.1	U	87.1	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.8	U	98.8	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	99.7	U	99.7	160	210	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	330	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	210	ug/Kg
98-86-2	Acetophenone	100	U	100	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	71.4	U	71.4	96.8	96.8	ug/Kg
67-72-1	Hexachloroethane	89	U	89	160	210	ug/Kg
98-95-3	Nitrobenzene	91	U	91	160	210	ug/Kg
78-59-1	Isophorone	82.4	U	82.4	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.5	U	94.5	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.8	U	93.8	160	210	ug/Kg
65-85-0	Benzoic acid	260	U	260	330	400	ug/Kg
91-20-3	Naphthalene	98.5	U	98.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	140	U	140	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.8	U	99.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BF122723
Lab Sample ID:	O6018-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136774.D	1	12/23/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.3	U	93.3	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	97.1	U	97.1	160	210	ug/Kg
Total PAH	Total PAH	1732.7	U	1732.7	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	93	U	93	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	100	U	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	210	ug/Kg
103-33-3	Azobenzene	88.9	U	88.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	210	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	330	400	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	210	ug/Kg
120-12-7	Anthracene	120	U	120	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	210	ug/Kg
206-44-0	Fluoranthene	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BF122723
Lab Sample ID:	O6018-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136774.D	1	12/23/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	330	400	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	110	U	110	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.1	U	97.1	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.554		18-112		56	SPK: -150
13127-88-3	Phenol-d6	82.85		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	55.868		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	62.293		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	58.697		10-110		39	SPK: -150
1718-51-0	Terphenyl-d14	50.777		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76305	6.781				
1146-65-2	Naphthalene-d8	298684	8.057				
15067-26-2	Acenaphthene-d10	146160	9.816				
1517-22-2	Phenanthrene-d10	233900	11.31				
1719-03-5	Chrysene-d12	144449	13.963				
1520-96-3	Perylene-d12	147850	15.445				



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

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	BF122723
Lab Sample ID:	O6018-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136774.D	1	12/23/2023 12:00:00 AM	12/27/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	A			5.028	
015594-90-8	1-Heneicosanol	160	J			13.839	
	unknown16.186	2600	J			16.186	

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	MR-319-0-2	SDG No.:	BF122723
Lab Sample ID:	O5926-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BF136775.D	1	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.5	U	52.5	180	220	ug/Kg
110-86-1	Pyridine	49.2	U	49.2	88.4	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	180	220	ug/Kg
62-53-3	Aniline	79.5	U	79.5	88.4	120	ug/Kg
108-95-2	Phenol	50.6	U	50.6	88.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61	U	61	88.4	120	ug/Kg
95-57-8	2-Chlorophenol	48.9	U	48.9	88.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.5	U	55.5	88.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.2	U	60.2	88.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56	U	56	88.4	120	ug/Kg
100-51-6	Benzyl Alcohol	67.2	U	67.2	180	220	ug/Kg
95-48-7	2-Methylphenol	77.5	U	77.5	88.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	71.4	U	71.4	88.4	120	ug/Kg
98-86-2	Acetophenone	58.9	U	58.9	88.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	73.4	U	73.4	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.1	U	40.1	54.4	54.4	ug/Kg
67-72-1	Hexachloroethane	50	U	50	88.4	120	ug/Kg
98-95-3	Nitrobenzene	51.1	U	51.1	88.4	120	ug/Kg
78-59-1	Isophorone	46.3	U	46.3	88.4	120	ug/Kg
88-75-5	2-Nitrophenol	64.6	U	64.6	88.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	67.7	U	67.7	88.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.1	U	76.1	88.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.1	U	53.1	88.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.7	U	52.7	88.4	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	55.3	U	55.3	88.4	120	ug/Kg
106-47-8	4-Chloroaniline	71.4	U	71.4	88.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.1	U	57.1	88.4	120	ug/Kg
105-60-2	Caprolactam	79.5	U	79.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.1	U	56.1	88.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	64.5	U	64.5	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	MR-319-0-2	SDG No.:	BF122723
Lab Sample ID:	O5926-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BF136775.D	1	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.4	U	52.4	88.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59.7	U	59.7	88.4	120	ug/Kg
92-52-4	1,1-Biphenyl	62.1	U	62.1	88.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.5	U	57.5	88.4	120	ug/Kg
88-74-4	2-Nitroaniline	67.5	U	67.5	88.4	120	ug/Kg
131-11-3	Dimethylphthalate	60.4	U	60.4	88.4	120	ug/Kg
208-96-8	Acenaphthylene	60.1	U	60.1	88.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.2	U	61.2	88.4	120	ug/Kg
99-09-2	3-Nitroaniline	63.5	U	63.5	88.4	120	ug/Kg
83-32-9	Acenaphthene	54.6	U	54.6	88.4	120	ug/Kg
Total PAH	Total PAH	976.8	U	976.8	88.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.5	U	77.5	180	220	ug/Kg
132-64-9	Dibenzofuran	52.3	U	52.3	88.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	129.1	U	129.1	88.4	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	67.9	U	67.9	88.4	120	ug/Kg
84-66-2	Diethylphthalate	58.4	U	58.4	88.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.4	U	61.4	88.4	120	ug/Kg
86-73-7	Fluorene	57.6	U	57.6	88.4	120	ug/Kg
100-01-6	4-Nitroaniline	70.7	U	70.7	88.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	59.7	U	59.7	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	63.4	U	63.4	88.4	120	ug/Kg
103-33-3	Azobenzene	50	U	50	88.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.2	U	66.2	88.4	120	ug/Kg
118-74-1	Hexachlorobenzene	67.2	U	67.2	88.4	120	ug/Kg
1912-24-9	Atrazine	64.8	U	64.8	88.4	120	ug/Kg
87-86-5	Pentachlorophenol	75.4	U	75.4	180	220	ug/Kg
85-01-8	Phenanthrene	63	U	63	88.4	120	ug/Kg
120-12-7	Anthracene	69.3	U	69.3	88.4	120	ug/Kg
86-74-8	Carbazole	57.7	U	57.7	88.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	70.7	U	70.7	88.4	120	ug/Kg
206-44-0	Fluoranthene	64.2	U	64.2	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	MR-319-0-2	SDG No.:	BF122723
Lab Sample ID:	O5926-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BF136775.D	1	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

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	56.9	U	56.9	88.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	70	U	70	88.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	57	U	57	88.4	120	ug/Kg
218-01-9	Chrysene	59	U	59	88.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.2	U	78.2	88.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	83.6	U	83.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	54.6	U	54.6	88.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	59.9	U	59.9	88.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.1	U	64.1	88.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72.7	U	72.7	88.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	65.6	U	65.6	88.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.9	U	62.9	88.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.8	U	60.8	88.4	120	ug/Kg
123-91-1	1,4-Dioxane	79.5	U	79.5	88.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.3	U	56.3	88.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.3	U	61.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.042		18-112		61	SPK: -150
13127-88-3	Phenol-d6	88.652		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	62.06		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	66.805		20-109		67	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.787		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	52.907		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66917	6.781				
1146-65-2	Naphthalene-d8	254786	8.057				
15067-26-2	Acenaphthene-d10	123420	9.816				
1517-22-2	Phenanthrene-d10	198643	11.304				
1719-03-5	Chrysene-d12	131621	13.963				
1520-96-3	Perylene-d12	144799	15.439				

Report of Analysis

Client:		Date Collected:	12/18/2023 12:00:00 AM
Project:		Date Received:	12/18/2023 12:00:00 AM
Client Sample ID:	MR-319-0-2	SDG No.:	BF122723
Lab Sample ID:	O5926-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
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
BF136775.D	1	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	62.8	J			11.839	
035507-09-6	7-Hexadecene, (Z)-	99.7	J			13.833	

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALL	SDG No.:	BF122723
Lab Sample ID:	O5853-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136776.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	300	370	ug/Kg
110-86-1	Pyridine	81.2	U	81.2	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	300	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	83.4	U	83.4	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	80.7	U	80.7	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	91.6	U	91.6	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	99.2	U	99.2	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.4	U	92.4	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	97.2	U	97.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	66.2	U	66.2	89.7	89.7	ug/Kg
67-72-1	Hexachloroethane	82.5	U	82.5	150	190	ug/Kg
98-95-3	Nitrobenzene	84.3	U	84.3	150	190	ug/Kg
78-59-1	Isophorone	76.4	U	76.4	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	87.6	U	87.6	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	86.9	U	86.9	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	91.3	U	91.3	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.2	U	94.2	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	92.5	U	92.5	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALL	SDG No.:	BF122723
Lab Sample ID:	O5853-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136776.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.5	U	86.5	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.6	U	98.6	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.9	U	94.9	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	99.7	U	99.7	150	190	ug/Kg
208-96-8	Acenaphthylene	99.1	U	99.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	90	U	90	150	190	ug/Kg
Total PAH	Total PAH	2680	U	1609.6	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	86.2	U	86.2	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
84-66-2	Diethylphthalate	96.3	U	96.3	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	95.1	U	95.1	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	98.5	U	98.5	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	150	190	ug/Kg
103-33-3	Azobenzene	82.4	U	82.4	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	370	ug/Kg
85-01-8	Phenanthrene	400		100	150	190	ug/Kg
120-12-7	Anthracene	110	U	110	150	190	ug/Kg
86-74-8	Carbazole	95.2	U	95.2	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	540		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALL	SDG No.:	BF122723
Lab Sample ID:	O5853-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136776.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	300	370	ug/Kg
129-00-0	Pyrene	390		93.9	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	310		94.1	150	190	ug/Kg
218-01-9	Chrysene	260		97.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	320		90	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	98.8	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	260		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	J	100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93	U	93	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.49		18-112		50	SPK: -150
13127-88-3	Phenol-d6	72.71		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	50.847		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	56.596		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	61.495		10-110		41	SPK: -150
1718-51-0	Terphenyl-d14	42.322		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73255	6.781				
1146-65-2	Naphthalene-d8	277014	8.057				
15067-26-2	Acenaphthene-d10	131943	9.816				
1517-22-2	Phenanthrene-d10	219652	11.304				
1719-03-5	Chrysene-d12	145543	13.963				
1520-96-3	Perylene-d12	159001	15.445				



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Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALL	SDG No.:	BF122723
Lab Sample ID:	O5853-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136776.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

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

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMS	SDG No.:	BF122723
Lab Sample ID:	O5853-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF136777.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	300	370	ug/Kg
110-86-1	Pyridine	1300		81.3	150	190	ug/Kg
100-52-7	Benzaldehyde	580		170	300	370	ug/Kg
62-53-3	Aniline	1000		130	150	190	ug/Kg
108-95-2	Phenol	1400		83.5	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		100	150	190	ug/Kg
95-57-8	2-Chlorophenol	1500		80.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		91.7	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		99.3	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		92.5	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1500		110	300	370	ug/Kg
95-48-7	2-Methylphenol	1400		130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		120	150	190	ug/Kg
98-86-2	Acetophenone	1500		97.3	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1400		120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		66.2	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	1400		82.6	150	190	ug/Kg
98-95-3	Nitrobenzene	1400		84.4	150	190	ug/Kg
78-59-1	Isophorone	1500		76.4	150	190	ug/Kg
88-75-5	2-Nitrophenol	1400		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		87.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		87	150	190	ug/Kg
65-85-0	Benzoic acid	800		240	300	370	ug/Kg
91-20-3	Naphthalene	1400		91.4	150	190	ug/Kg
106-47-8	4-Chloroaniline	570		120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1400		94.3	150	190	ug/Kg
105-60-2	Caprolactam	1300		130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		92.6	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1400		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMS	SDG No.:	BF122723
Lab Sample ID:	O5853-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF136777.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1500		240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		86.5	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		98.7	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1600		100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1500		95	150	190	ug/Kg
88-74-4	2-Nitroaniline	1600		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	1600		99.8	150	190	ug/Kg
208-96-8	Acenaphthylene	1600		99.2	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		100	150	190	ug/Kg
99-09-2	3-Nitroaniline	1200		100	150	190	ug/Kg
83-32-9	Acenaphthene	1500		90.1	150	190	ug/Kg
Total PAH	Total PAH	25400		1610.5	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	480		200	300	370	ug/Kg
100-02-7	4-Nitrophenol	2300		130	300	370	ug/Kg
132-64-9	Dibenzofuran	1500		86.3	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		110	150	190	ug/Kg
84-66-2	Diethylphthalate	1500		96.4	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		100	150	190	ug/Kg
86-73-7	Fluorene	1500		95.2	150	190	ug/Kg
100-01-6	4-Nitroaniline	1300		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	J	98.6	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		100	150	190	ug/Kg
103-33-3	Azobenzene	1400		82.5	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		110	150	190	ug/Kg
1912-24-9	Atrazine	2200		110	150	190	ug/Kg
87-86-5	Pentachlorophenol	2400		120	300	370	ug/Kg
85-01-8	Phenanthrene	1900		100	150	190	ug/Kg
120-12-7	Anthracene	1700		110	150	190	ug/Kg
86-74-8	Carbazole	1500		95.3	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	1700		120	150	190	ug/Kg
206-44-0	Fluoranthene	1800		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMS	SDG No.:	BF122723
Lab Sample ID:	O5853-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF136777.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	920		220	300	370	ug/Kg
129-00-0	Pyrene	1600		94	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	1600		120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700		180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		94.2	150	190	ug/Kg
218-01-9	Chrysene	1800		97.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		90.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		98.9	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		100	150	190	ug/Kg
123-91-1	1,4-Dioxane	1300		130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		93.1	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1400		100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.441		18-112		54	SPK: -150
13127-88-3	Phenol-d6	78.842		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	55.111		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	59.47		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	70.898		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	47.712		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76355	6.787				
1146-65-2	Naphthalene-d8	292269	8.063				
15067-26-2	Acenaphthene-d10	142604	9.822				
1517-22-2	Phenanthrene-d10	234980	11.31				
1719-03-5	Chrysene-d12	140585	13.968				
1520-96-3	Perylene-d12	152326	15.445				



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Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMS	SDG No.:	BF122723
Lab Sample ID:	O5853-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF136777.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

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

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMSD	SDG No.:	BF122723
Lab Sample ID:	O5853-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF136778.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.8	300	370	ug/Kg
110-86-1	Pyridine	1400		81.3	150	190	ug/Kg
100-52-7	Benzaldehyde	600		170	300	370	ug/Kg
62-53-3	Aniline	1100		130	150	190	ug/Kg
108-95-2	Phenol	1500		83.6	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		100	150	190	ug/Kg
95-57-8	2-Chlorophenol	1600		80.9	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		91.8	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		99.4	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		92.6	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1600		110	300	370	ug/Kg
95-48-7	2-Methylphenol	1500		130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		120	150	190	ug/Kg
98-86-2	Acetophenone	1600		97.4	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1500		120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		66.3	89.9	89.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.7	150	190	ug/Kg
98-95-3	Nitrobenzene	1500		84.5	150	190	ug/Kg
78-59-1	Isophorone	1500		76.5	150	190	ug/Kg
88-75-5	2-Nitrophenol	1500		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		87.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		87	150	190	ug/Kg
65-85-0	Benzoic acid	990		240	300	370	ug/Kg
91-20-3	Naphthalene	1500		91.4	150	190	ug/Kg
106-47-8	4-Chloroaniline	650		120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		94.4	150	190	ug/Kg
105-60-2	Caprolactam	1400		130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		92.7	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1500		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMSD	SDG No.:	BF122723
Lab Sample ID:	O5853-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF136778.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1700		240	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		86.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		98.7	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1600		95	150	190	ug/Kg
88-74-4	2-Nitroaniline	1600		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	1700		99.9	150	190	ug/Kg
208-96-8	Acenaphthylene	1700		99.3	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		100	150	190	ug/Kg
99-09-2	3-Nitroaniline	1200		100	150	190	ug/Kg
83-32-9	Acenaphthene	1600		90.2	150	190	ug/Kg
Total PAH	Total PAH	26700		1611	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	630		200	300	370	ug/Kg
100-02-7	4-Nitrophenol	2500		130	300	370	ug/Kg
132-64-9	Dibenzofuran	1600		86.4	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		110	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1100		210	150	380	ug/Kg
84-66-2	Diethylphthalate	1600		96.5	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		100	150	190	ug/Kg
86-73-7	Fluorene	1500		95.2	150	190	ug/Kg
100-01-6	4-Nitroaniline	1300		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	490		98.6	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		100	150	190	ug/Kg
103-33-3	Azobenzene	1500		82.6	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		110	150	190	ug/Kg
1912-24-9	Atrazine	2200		110	150	190	ug/Kg
87-86-5	Pentachlorophenol	2700		120	300	370	ug/Kg
85-01-8	Phenanthrene	2000		100	150	190	ug/Kg
120-12-7	Anthracene	1800		110	150	190	ug/Kg
86-74-8	Carbazole	1600		95.4	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	1800		120	150	190	ug/Kg
206-44-0	Fluoranthene	2000		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMSD	SDG No.:	BF122723
Lab Sample ID:	O5853-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
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
BF136778.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		220	300	370	ug/Kg
129-00-0	Pyrene	1700		94	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	1500		120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		94.2	150	190	ug/Kg
218-01-9	Chrysene	1800		97.5	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		90.2	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		99	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	1800		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		100	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		100	150	190	ug/Kg
123-91-1	1,4-Dioxane	1400		130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		93.1	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1500		100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.682		18-112		57	SPK: -150
13127-88-3	Phenol-d6	82.56		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	58.892		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	63.588		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	75.61		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	47.871		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73387	6.787				
1146-65-2	Naphthalene-d8	278296	8.063				
15067-26-2	Acenaphthene-d10	134478	9.822				
1517-22-2	Phenanthrene-d10	218363	11.31				
1719-03-5	Chrysene-d12	143675	13.969				
1520-96-3	Perylene-d12	155513	15.445				



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

Report of Analysis

Client:		Date Collected:	12/14/2023 12:00:00 AM
Project:		Date Received:	12/14/2023 12:00:00 AM
Client Sample ID:	EAST-WALLMSD	SDG No.:	BF122723
Lab Sample ID:	O5853-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11
Sample Wt/Vol:	30.01	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
BF136778.D	1	12/15/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157810

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

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-3	SDG No.:	BF122723
Lab Sample ID:	O6018-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.2
Sample Wt/Vol:	30.07	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
BF136779.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.9	U	90.9	320	390	ug/Kg
110-86-1	Pyridine	85.2	U	85.2	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	87.5	U	87.5	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.7	U	84.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.1	U	96.1	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.9	U	96.9	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	69.4	U	69.4	94.1	94.1	ug/Kg
67-72-1	Hexachloroethane	86.6	U	86.6	150	200	ug/Kg
98-95-3	Nitrobenzene	88.5	U	88.5	150	200	ug/Kg
78-59-1	Isophorone	80.1	U	80.1	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	91.9	U	91.9	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.2	U	91.2	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	95.8	U	95.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.8	U	98.8	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.1	U	97.1	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-3	SDG No.:	BF122723
Lab Sample ID:	O6018-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.2
Sample Wt/Vol:	30.07	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
BF136779.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.7	U	90.7	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	99.5	U	99.5	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	120	J	94.5	150	200	ug/Kg
Total PAH	Total PAH	7750		1681.8	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	93.4	J	90.5	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	100	J	99.8	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	86.5	U	86.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	1000		110	150	200	ug/Kg
120-12-7	Anthracene	300		120	150	200	ug/Kg
86-74-8	Carbazole	110	J	99.9	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	1400		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-3	SDG No.:	BF122723
Lab Sample ID:	O6018-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.2
Sample Wt/Vol:	30.07	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
BF136779.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	910		98.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	720		98.7	150	200	ug/Kg
218-01-9	Chrysene	640		100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	870		94.5	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	340		100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	730		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280		130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340		110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97.5	U	97.5	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.305		18-112		62	SPK: -150
13127-88-3	Phenol-d6	91.974		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	67.249		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	71.569		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	77.574		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	51.786		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75215	6.781				
1146-65-2	Naphthalene-d8	273870	8.057				
15067-26-2	Acenaphthene-d10	132282	9.816				
1517-22-2	Phenanthrene-d10	203648	11.304				
1719-03-5	Chrysene-d12	145257	13.962				
1520-96-3	Perylene-d12	134871	15.445				

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-3	SDG No.:	BF122723
Lab Sample ID:	O6018-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136779.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	80.8	A			5.028	
002531-84-2	Phenanthrene, 2-methyl-	83.1	J			11.81	
000057-10-3	n-Hexadecanoic acid	420	J			11.839	
000203-64-5	4H-Cyclopenta[def]phenanthrene	220	J			11.921	
000612-94-2	Naphthalene, 2-phenyl-	84.7	J			12.11	
000243-17-4	11H-Benzo[b]fluorene	92.6	J			13.086	
002381-21-7	Pyrene, 1-methyl-	97.3	J			13.151	
000301-02-0	9-Octadecenamide, (Z)-	140	J			14.727	
000111-02-4	Squalene	86.3	J			14.821	
000192-97-2	Benzo[e]pyrene	140	J			15.115	
000198-55-0	Perylene	550	J			15.315	
	unknown15.927	79.2	J			15.927	

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BF122723
Lab Sample ID:	O6018-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136780.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89	U	89	310	380	ug/Kg
110-86-1	Pyridine	83.3	U	83.3	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	200	ug/Kg
108-95-2	Phenol	85.6	U	85.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	82.9	U	82.9	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	94	U	94	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.8	U	94.8	150	200	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	99.8	U	99.8	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.9	U	67.9	92.1	92.1	ug/Kg
67-72-1	Hexachloroethane	84.7	U	84.7	150	200	ug/Kg
98-95-3	Nitrobenzene	86.5	U	86.5	150	200	ug/Kg
78-59-1	Isophorone	78.4	U	78.4	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	89.9	U	89.9	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.2	U	89.2	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	93.7	U	93.7	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	96.7	U	96.7	150	200	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95	U	95	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BF122723
Lab Sample ID:	O6018-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136780.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.7	U	88.7	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	97.4	U	97.4	150	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	200		92.4	150	200	ug/Kg
Total PAH	Total PAH	12360		1658.9	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	120	J	88.5	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	200	ug/Kg
84-66-2	Diethylphthalate	98.9	U	98.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	200	ug/Kg
86-73-7	Fluorene	210		97.6	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	84.6	U	84.6	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	2000		110	150	200	ug/Kg
120-12-7	Anthracene	510		120	150	200	ug/Kg
86-74-8	Carbazole	260		97.7	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	2500		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BF122723
Lab Sample ID:	O6018-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136780.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	1400		96.3	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	1100		96.6	150	200	ug/Kg
218-01-9	Chrysene	950		99.9	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		92.4	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	350		100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	930		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380		120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	J	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	410		110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.4	U	95.4	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.984		18-112		55	SPK: -150
13127-88-3	Phenol-d6	77.856		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	58.396		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	67.664		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.681		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	46.152		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66592	6.781				
1146-65-2	Naphthalene-d8	235866	8.057				
15067-26-2	Acenaphthene-d10	102418	9.816				
1517-22-2	Phenanthrene-d10	163012	11.31				
1719-03-5	Chrysene-d12	138819	13.968				
1520-96-3	Perylene-d12	118217	15.445				

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	BF122723
Lab Sample ID:	O6018-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136780.D	1	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	140	J			10.733	
000230-31-9	Benzo[h]cinnoline	82.1	J			11.116	
000132-65-0	Dibenzothiophene	160	J			11.204	
000832-69-9	Phenanthrene, 1-methyl-	190	J			11.81	
002531-84-2	Phenanthrene, 2-methyl-	480	J			11.839	
000832-71-3	Phenanthrene, 3-methyl-	120	J			11.886	
000203-64-5	4H-Cyclopenta[def]phenanthrene	400	J			11.921	
000779-02-2	Anthracene, 9-methyl-	90.5	J			11.945	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	130	J			12.11	
000084-65-1	9,10-Anthracenedione	120	J			12.133	
000781-92-0	Anthracene, 1,4-dimethyl-	81.7	J			12.363	
	unknown12.404	100	J			12.404	
005737-13-3	Cyclopenta(def)phenanthrenone	100	J			12.451	
001002-84-2	Pentadecanoic acid	82.5	J			12.633	
000243-17-4	11H-Benzo[b]fluorene	110	J			13.086	
033543-31-6	Fluoranthene, 2-methyl-	95.5	J			13.157	
000301-02-0	9-Octadecenamide, (Z)-	89	J			14.727	
000629-99-2	Pentacosane	100	J			15.092	
000192-97-2	Benzo[e]pyrene	200	J			15.121	
000198-55-0	Perylene	680	J			15.321	

Report of Analysis

Client:		Date Collected:	12/22/2023 12:00:00 AM
Project:		Date Received:	12/22/2023 12:00:00 AM
Client Sample ID:	SU-03-122223	SDG No.:	BF122723
Lab Sample ID:	O6011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136781.D	5	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	950	1200	ug/Kg
110-86-1	Pyridine	250	U	250	460	600	ug/Kg
100-52-7	Benzaldehyde	520	U	520	950	1200	ug/Kg
62-53-3	Aniline	410	U	410	460	600	ug/Kg
108-95-2	Phenol	260	U	260	460	600	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	310	U	310	460	600	ug/Kg
95-57-8	2-Chlorophenol	250	U	250	460	600	ug/Kg
95-50-1	1,2-Dichlorobenzene	290	U	290	460	600	ug/Kg
541-73-1	1,3-Dichlorobenzene	310	U	310	460	600	ug/Kg
106-46-7	1,4-Dichlorobenzene	290	U	290	460	600	ug/Kg
100-51-6	Benzyl Alcohol	350	U	350	950	1200	ug/Kg
95-48-7	2-Methylphenol	400	U	400	460	600	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	370	U	370	460	600	ug/Kg
98-86-2	Acetophenone	300	U	300	460	600	ug/Kg
65794-96-9	3+4-Methylphenols	380	U	380	950	1200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	210	U	210	280	280	ug/Kg
67-72-1	Hexachloroethane	260	U	260	460	600	ug/Kg
98-95-3	Nitrobenzene	260	U	260	460	600	ug/Kg
78-59-1	Isophorone	240	U	240	460	600	ug/Kg
88-75-5	2-Nitrophenol	330	U	330	460	600	ug/Kg
105-67-9	2,4-Dimethylphenol	350	U	350	460	600	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	390	460	600	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	270	460	600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	460	600	ug/Kg
65-85-0	Benzoic acid	750	U	750	950	1200	ug/Kg
91-20-3	Naphthalene	290	U	290	460	600	ug/Kg
106-47-8	4-Chloroaniline	370	U	370	460	600	ug/Kg
87-68-3	Hexachlorobutadiene	290	U	290	460	600	ug/Kg
105-60-2	Caprolactam	410	U	410	950	1200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	290	U	290	460	600	ug/Kg
91-57-6	2-Methylnaphthalene	370	J	330	460	600	ug/Kg

Report of Analysis

Client:		Date Collected:	12/22/2023 12:00:00 AM
Project:		Date Received:	12/22/2023 12:00:00 AM
Client Sample ID:	SU-03-122223	SDG No.:	BF122723
Lab Sample ID:	O6011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136781.D	5	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	740	U	740	950	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	270	460	600	ug/Kg
95-95-4	2,4,5-Trichlorophenol	310	U	310	460	600	ug/Kg
92-52-4	1,1-Biphenyl	320	U	320	460	600	ug/Kg
91-58-7	2-Chloronaphthalene	300	U	300	460	600	ug/Kg
88-74-4	2-Nitroaniline	350	U	350	460	600	ug/Kg
131-11-3	Dimethylphthalate	310	U	310	460	600	ug/Kg
208-96-8	Acenaphthylene	310	U	310	460	600	ug/Kg
606-20-2	2,6-Dinitrotoluene	320	U	320	460	600	ug/Kg
99-09-2	3-Nitroaniline	330	U	330	460	600	ug/Kg
83-32-9	Acenaphthene	740		280	460	600	ug/Kg
Total PAH	Total PAH	23920		5040	460	9600	ug/Kg
51-28-5	2,4-Dinitrophenol	630	U	630	950	1200	ug/Kg
100-02-7	4-Nitrophenol	400	U	400	950	1200	ug/Kg
132-64-9	Dibenzofuran	320	J	270	460	600	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	670	U	670	460	1200	ug/Kg
121-14-2	2,4-Dinitrotoluene	350	U	350	460	600	ug/Kg
84-66-2	Diethylphthalate	300	U	300	460	600	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	320	U	320	460	600	ug/Kg
86-73-7	Fluorene	800		300	460	600	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	460	600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	310	950	1200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	330	U	330	460	600	ug/Kg
103-33-3	Azobenzene	260	U	260	460	600	ug/Kg
101-55-3	4-Bromophenyl-phenylether	340	U	340	460	600	ug/Kg
118-74-1	Hexachlorobenzene	350	U	350	460	600	ug/Kg
1912-24-9	Atrazine	330	U	330	460	600	ug/Kg
87-86-5	Pentachlorophenol	390	U	390	950	1200	ug/Kg
85-01-8	Phenanthrene	4500		330	460	600	ug/Kg
120-12-7	Anthracene	1100		360	460	600	ug/Kg
86-74-8	Carbazole	300	U	300	460	600	ug/Kg
84-74-2	Di-n-butylphthalate	360	U	360	460	600	ug/Kg
206-44-0	Fluoranthene	3800		330	460	600	ug/Kg

Report of Analysis

Client:		Date Collected:	12/22/2023 12:00:00 AM
Project:		Date Received:	12/22/2023 12:00:00 AM
Client Sample ID:	SU-03-122223	SDG No.:	BF122723
Lab Sample ID:	O6011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136781.D	5	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	680	U	680	950	1200	ug/Kg
129-00-0	Pyrene	3000		290	460	600	ug/Kg
85-68-7	Butylbenzylphthalate	360	U	360	460	600	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560	U	560	950	1200	ug/Kg
56-55-3	Benzo(a)anthracene	2100		290	460	600	ug/Kg
218-01-9	Chrysene	1800		300	460	600	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		400	460	600	ug/Kg
117-84-0	Di-n-octyl phthalate	430	U	430	950	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		280	460	600	ug/Kg
207-08-9	Benzo(k)fluoranthene	720		310	460	600	ug/Kg
50-32-8	Benzo(a)pyrene	1800		330	460	600	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	680		380	460	600	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	340	U	340	460	600	ug/Kg
191-24-2	Benzo(g,h,i)perylene	780		320	460	600	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	310	460	600	ug/Kg
123-91-1	1,4-Dioxane	410	U	410	460	600	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	290	460	600	ug/Kg
90-12-0	1-Methylnaphthalene	460	J	320	600	600	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.64		18-112		56	SPK: -150
13127-88-3	Phenol-d6	76.035		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	56.405		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	69.04		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.675		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	45.13		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70273	6.781				
1146-65-2	Naphthalene-d8	248662	8.057				
15067-26-2	Acenaphthene-d10	105785	9.816				
1517-22-2	Phenanthrene-d10	170647	11.31				
1719-03-5	Chrysene-d12	138762	13.969				
1520-96-3	Perylene-d12	105120	15.451				

Report of Analysis

Client:		Date Collected:	12/22/2023 12:00:00 AM
Project:		Date Received:	12/22/2023 12:00:00 AM
Client Sample ID:	SU-03-122223	SDG No.:	BF122723
Lab Sample ID:	O6011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136781.D	5	12/23/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000575-43-9	Naphthalene, 1,6-dimethyl-	590	J			9.398	
000581-40-8	Naphthalene, 2,3-dimethyl-	730	J			9.475	
002717-39-7	1,4,5,8-Tetramethylnaphthalene	450	J			10.733	
001430-97-3	9H-Fluorene, 2-methyl-	400	J			10.916	
000233-02-3	Naphtho[2,1-b]thiophene	740	J			11.204	
007372-88-5	Dibenzothiophene, 4-methyl-	490	J			11.639	
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	410	J			11.722	
000610-48-0	Anthracene, 1-methyl-	1100	J			11.816	
000613-12-7	Anthracene, 2-methyl-	1400	J			11.839	
002531-84-2	Phenanthrene, 2-methyl-	460	J			11.886	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1700	J			11.922	
000832-69-9	Phenanthrene, 1-methyl-	640	J			11.945	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	530	J			12.11	
000084-65-1	9,10-Anthracenedione	390	J			12.139	
002789-88-0	di-p-Tolylacetylene	460	J			12.292	
003674-66-6	Phenanthrene, 2,5-dimethyl-	940	J			12.363	
	unknown	1200	J			12.404	
000781-43-1	9,10-Dimethylantracene	490	J			12.451	
033543-31-6	Fluoranthene, 2-methyl-	550	J			13.086	
000192-97-2	Benzo[e]pyrene	1200	J			15.321	

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MS	SDG No.:	BF122723
Lab Sample ID:	O5940-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136782.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	830	J	250	860	1100	ug/Kg
110-86-1	Pyridine	710		230	420	540	ug/Kg
100-52-7	Benzaldehyde	470	U	470	860	1100	ug/Kg
62-53-3	Aniline	510	J	370	420	540	ug/Kg
108-95-2	Phenol	830		240	420	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	890		290	420	540	ug/Kg
95-57-8	2-Chlorophenol	860		230	420	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	850		260	420	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	850		280	420	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	870		260	420	540	ug/Kg
100-51-6	Benzyl Alcohol	850	J	320	860	1100	ug/Kg
95-48-7	2-Methylphenol	830		360	420	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	860		340	420	540	ug/Kg
98-86-2	Acetophenone	1000		280	420	540	ug/Kg
65794-96-9	3+4-Methylphenols	830	J	340	860	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	830		190	260	260	ug/Kg
67-72-1	Hexachloroethane	740		240	420	540	ug/Kg
98-95-3	Nitrobenzene	910		240	420	540	ug/Kg
78-59-1	Isophorone	910		220	420	540	ug/Kg
88-75-5	2-Nitrophenol	620		300	420	540	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		320	420	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	940		360	420	540	ug/Kg
120-83-2	2,4-Dichlorophenol	790		250	420	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	900		250	420	540	ug/Kg
65-85-0	Benzoic acid	680	U	680	860	1100	ug/Kg
91-20-3	Naphthalene	970		260	420	540	ug/Kg
106-47-8	4-Chloroaniline	610		340	420	540	ug/Kg
87-68-3	Hexachlorobutadiene	900		270	420	540	ug/Kg
105-60-2	Caprolactam	750	J	370	860	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	750		260	420	540	ug/Kg
91-57-6	2-Methylnaphthalene	880		300	420	540	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MS	SDG No.:	BF122723
Lab Sample ID:	O5940-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136782.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	670	U	670	860	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950		250	420	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	880		280	420	540	ug/Kg
92-52-4	1,1-Biphenyl	1100		290	420	540	ug/Kg
91-58-7	2-Chloronaphthalene	960		270	420	540	ug/Kg
88-74-4	2-Nitroaniline	930		320	420	540	ug/Kg
131-11-3	Dimethylphthalate	1000		280	420	540	ug/Kg
208-96-8	Acenaphthylene	1100		280	420	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	810		290	420	540	ug/Kg
99-09-2	3-Nitroaniline	880		300	420	540	ug/Kg
83-32-9	Acenaphthene	1000		260	420	540	ug/Kg
Total PAH	Total PAH	24010		4610	420	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	570	U	570	860	1100	ug/Kg
100-02-7	4-Nitrophenol	1500		360	860	1100	ug/Kg
132-64-9	Dibenzofuran	1000		250	420	540	ug/Kg
121-14-2	2,4-Dinitrotoluene	770		320	420	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	580		610	420	1080	ug/Kg
84-66-2	Diethylphthalate	980		270	420	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		290	420	540	ug/Kg
86-73-7	Fluorene	1200		270	420	540	ug/Kg
100-01-6	4-Nitroaniline	880		330	420	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	860	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		300	420	540	ug/Kg
103-33-3	Azobenzene	860		230	420	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	910		310	420	540	ug/Kg
118-74-1	Hexachlorobenzene	840		320	420	540	ug/Kg
1912-24-9	Atrazine	1200		300	420	540	ug/Kg
87-86-5	Pentachlorophenol	1400		350	860	1100	ug/Kg
85-01-8	Phenanthrene	2500		300	420	540	ug/Kg
120-12-7	Anthracene	1400		330	420	540	ug/Kg
86-74-8	Carbazole	1100		270	420	540	ug/Kg
84-74-2	Di-n-butylphthalate	1100		330	420	540	ug/Kg
206-44-0	Fluoranthene	3300		300	420	540	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MS	SDG No.:	BF122723
Lab Sample ID:	O5940-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136782.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	900	J	620	860	1100	ug/Kg
129-00-0	Pyrene	1900		270	420	540	ug/Kg
85-68-7	Butylbenzylphthalate	890		330	420	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000	J	510	860	1100	ug/Kg
56-55-3	Benzo(a)anthracene	1800		270	420	540	ug/Kg
218-01-9	Chrysene	1600		280	420	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		370	420	540	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		390	860	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		260	420	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		280	420	540	ug/Kg
50-32-8	Benzo(a)pyrene	1500		300	420	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	950		340	420	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	810		310	420	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	980		300	420	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		290	420	540	ug/Kg
123-91-1	1,4-Dioxane	830		370	420	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	910		260	420	540	ug/Kg
90-12-0	1-Methylnaphthalene	860		290	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.545		18-112		54	SPK: -150
13127-88-3	Phenol-d6	78.125		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	57.46		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	68.795		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.35		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	45.915		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66969	6.787				
1146-65-2	Naphthalene-d8	225826	8.063				
15067-26-2	Acenaphthene-d10	95366	9.816				
1517-22-2	Phenanthrene-d10	170036	11.31				
1719-03-5	Chrysene-d12	149384	13.969				
1520-96-3	Perylene-d12	119847	15.451				



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Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MS	SDG No.:	BF122723
Lab Sample ID:	O5940-05MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136782.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

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

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MSD	SDG No.:	BF122723
Lab Sample ID:	O5940-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF136783.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	810	J	250	860	1100	ug/Kg
110-86-1	Pyridine	750		230	420	540	ug/Kg
100-52-7	Benzaldehyde	470	U	470	860	1100	ug/Kg
62-53-3	Aniline	520	J	370	420	540	ug/Kg
108-95-2	Phenol	810		240	420	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	870		290	420	540	ug/Kg
95-57-8	2-Chlorophenol	830		230	420	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	860		260	420	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	850		280	420	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	870		260	420	540	ug/Kg
100-51-6	Benzyl Alcohol	800	J	320	860	1100	ug/Kg
95-48-7	2-Methylphenol	780		360	420	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	840		340	420	540	ug/Kg
98-86-2	Acetophenone	1000		280	420	540	ug/Kg
65794-96-9	3+4-Methylphenols	810	J	340	860	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	790		190	260	260	ug/Kg
67-72-1	Hexachloroethane	700		230	420	540	ug/Kg
98-95-3	Nitrobenzene	880		240	420	540	ug/Kg
78-59-1	Isophorone	880		220	420	540	ug/Kg
88-75-5	2-Nitrophenol	580		300	420	540	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		320	420	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	930		360	420	540	ug/Kg
120-83-2	2,4-Dichlorophenol	800		250	420	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	910		250	420	540	ug/Kg
65-85-0	Benzoic acid	680	U	680	860	1100	ug/Kg
91-20-3	Naphthalene	920		260	420	540	ug/Kg
106-47-8	4-Chloroaniline	580		340	420	540	ug/Kg
87-68-3	Hexachlorobutadiene	950		270	420	540	ug/Kg
105-60-2	Caprolactam	780	J	370	860	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	730		260	420	540	ug/Kg
91-57-6	2-Methylnaphthalene	870		300	420	540	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MSD	SDG No.:	BF122723
Lab Sample ID:	O5940-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF136783.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	670	U	670	860	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	900		250	420	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	900		280	420	540	ug/Kg
92-52-4	1,1-Biphenyl	1000		290	420	540	ug/Kg
91-58-7	2-Chloronaphthalene	940		270	420	540	ug/Kg
88-74-4	2-Nitroaniline	1000		320	420	540	ug/Kg
131-11-3	Dimethylphthalate	960		280	420	540	ug/Kg
208-96-8	Acenaphthylene	1100		280	420	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	790		290	420	540	ug/Kg
99-09-2	3-Nitroaniline	890		300	420	540	ug/Kg
83-32-9	Acenaphthene	1000		260	420	540	ug/Kg
Total PAH	Total PAH	23980		4610	420	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	570	U	570	860	1100	ug/Kg
100-02-7	4-Nitrophenol	1500		360	860	1100	ug/Kg
132-64-9	Dibenzofuran	1000		250	420	540	ug/Kg
121-14-2	2,4-Dinitrotoluene	730		320	420	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	520		610	420	1080	ug/Kg
84-66-2	Diethylphthalate	980		270	420	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		290	420	540	ug/Kg
86-73-7	Fluorene	1200		270	420	540	ug/Kg
100-01-6	4-Nitroaniline	950		330	420	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	280	U	280	860	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	960		300	420	540	ug/Kg
103-33-3	Azobenzene	900		230	420	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	910		310	420	540	ug/Kg
118-74-1	Hexachlorobenzene	840		320	420	540	ug/Kg
1912-24-9	Atrazine	1200		300	420	540	ug/Kg
87-86-5	Pentachlorophenol	1500		350	860	1100	ug/Kg
85-01-8	Phenanthrene	2400		300	420	540	ug/Kg
120-12-7	Anthracene	1400		330	420	540	ug/Kg
86-74-8	Carbazole	1100		270	420	540	ug/Kg
84-74-2	Di-n-butylphthalate	1000		330	420	540	ug/Kg
206-44-0	Fluoranthene	3300		300	420	540	ug/Kg

Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MSD	SDG No.:	BF122723
Lab Sample ID:	O5940-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
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
BF136783.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	920	J	620	860	1100	ug/Kg
129-00-0	Pyrene	2000		270	420	540	ug/Kg
85-68-7	Butylbenzylphthalate	930		330	420	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000	J	510	860	1100	ug/Kg
56-55-3	Benzo(a)anthracene	1700		270	420	540	ug/Kg
218-01-9	Chrysene	1500		280	420	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		370	420	540	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		390	860	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		260	420	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		280	420	540	ug/Kg
50-32-8	Benzo(a)pyrene	1500		300	420	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		340	420	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	860		310	420	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		300	420	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		290	420	540	ug/Kg
123-91-1	1,4-Dioxane	930		370	420	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	960		260	420	540	ug/Kg
90-12-0	1-Methylnaphthalene	830		290	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81		18-112		54	SPK: -150
13127-88-3	Phenol-d6	73.345		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	56.94		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	64.82		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.75		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	47.935		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58225	6.786				
1146-65-2	Naphthalene-d8	189768	8.063				
15067-26-2	Acenaphthene-d10	83061	9.816				
1517-22-2	Phenanthrene-d10	165089	11.31				
1719-03-5	Chrysene-d12	143925	13.968				
1520-96-3	Perylene-d12	108781	15.451				



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Report of Analysis

Client:		Date Collected:	12/20/2023 12:00:00 AM
Project:		Date Received:	12/20/2023 12:00:00 AM
Client Sample ID:	PL-04-122023MSD	SDG No.:	BF122723
Lab Sample ID:	O5940-05MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.1
Sample Wt/Vol:	50.04	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
BF136783.D	5	12/21/2023 12:00:00 AM	12/28/2023 12:00:00 AM	PB157973

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

SW-846

SDG No.: BF122723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-1B-EE-NNRE							
O5791-11RE	MW-1B-EE-NNRE	Water	Benzyl Alcohol	14.800		2.4	10	ug/L
			Total Svoc :			14.80		
			Total Concentration:			14.80		
Client ID :	RT-SB-04-10-11							
O5796-01	RT-SB-04-10-11	Solid	2-Pentanone, 4-hydroxy-4-methyl *	310.000	A			
O5796-01	RT-SB-04-10-11	Solid	n-Hexadecanoic acid *	180.000	J			
			Total Tics :			490.00		
O5796-01	RT-SB-04-10-11	Solid	Benzo(b)fluoranthene	120.000	J	96.4	200	ug/Kg
O5796-01	RT-SB-04-10-11	Solid	Fluoranthene	190.000	J	110	200	ug/Kg
O5796-01	RT-SB-04-10-11	Solid	Phenanthrene	140.000	J	110	200	ug/Kg
O5796-01	RT-SB-04-10-11	Solid	Pyrene	130.000	J	100	200	ug/Kg
			Total Svoc :			580.00		
			Total Concentration:			1,070.00		
Client ID :	RT-SB-04-12-13RE							
O5796-03RE	RT-SB-04-12-13RE	Solid	Benzo(a)anthracene	160.000	J	88.5	180	ug/Kg
O5796-03RE	RT-SB-04-12-13RE	Solid	Benzo(a)pyrene	130.000	J	99.5	180	ug/Kg
O5796-03RE	RT-SB-04-12-13RE	Solid	Benzo(b)fluoranthene	170.000	J	84.7	180	ug/Kg
O5796-03RE	RT-SB-04-12-13RE	Solid	Chrysene	170.000	J	91.6	180	ug/Kg
O5796-03RE	RT-SB-04-12-13RE	Solid	Fluoranthene	340.000		99.6	180	ug/Kg
O5796-03RE	RT-SB-04-12-13RE	Solid	Phenanthrene	330.000		97.8	180	ug/Kg
O5796-03RE	RT-SB-04-12-13RE	Solid	Pyrene	220.000		88.3	180	ug/Kg
			Total Svoc :			1,520.00		
			Total Concentration:			1,520.00		
Client ID :	RT-SB-07-10-11							
O5827-03	RT-SB-07-10-11	Solid	2-Pentanone, 4-hydroxy-4-methyl *	79.700	A			
O5827-03	RT-SB-07-10-11	Solid	Tridecanoic acid *	150.000	J			
			Total Tics :			229.70		
O5827-03	RT-SB-07-10-11	Solid	Benzo(b)fluoranthene	100.000	J	95.1	200	ug/Kg
O5827-03	RT-SB-07-10-11	Solid	Fluoranthene	130.000	J	110	200	ug/Kg
O5827-03	RT-SB-07-10-11	Solid	Pyrene	110.000	J	99.1	200	ug/Kg
			Total Svoc :			340.00		
			Total Concentration:			569.70		
Client ID :	RT-SB-09-10.5-11.5							
O5827-09	RT-SB-09-10.5-11.5	Solid	11H-Benzo[a]fluoren-11-one *	170.000	J			
O5827-09	RT-SB-09-10.5-11.5	Solid	11H-Benzo[b]fluorene *	110.000	J			
O5827-09	RT-SB-09-10.5-11.5	Solid	1H-Indene, 2-phenyl- *	87.200	J			
O5827-09	RT-SB-09-10.5-11.5	Solid	2-Pentanone, 4-hydroxy-4-methyl *	100.000	A			
O5827-09	RT-SB-09-10.5-11.5	Solid	5H-Dibenzo[a,d]cycloheptene *	89.900	J			

Hit Summary Sheet SW-846

SDG No.: BF122723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5827-09	RT-SB-09-10.5-11.5	Solid	7H-Benz[de]anthracen-7-one	*	140.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	9,10-Anthracenedione	*	99.500	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	9,10-Dimethylanthracene	*	190.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	9H-Fluoren-9-one	*	110.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Benz[a]anthracene, 7-methyl-	*	90.300	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Benzo[b]naphtho[2,3-d]thiophene	*	130.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Benzo[e]pyrene	*	580.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Cyclopenta(def)phenanthrenone	*	190.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Naphthalene, 2-phenyl-	*	100.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Perylene	*	130.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Phenanthrene, 1-methyl-	*	240.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Phenanthrene, 2-methyl-	*	120.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Pyrene, 1-methyl-	*	100.000	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	Pyrene, 4-methyl-	*	99.100	J		
O5827-09	RT-SB-09-10.5-11.5	Solid	unknown14.745	*	110.000	J		
Total Tics :					2,986.00			
O5827-09	RT-SB-09-10.5-11.5	Solid	Benzo(a)anthracene		900.000	96.7	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Benzo(a)pyrene		540.000	110	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Benzo(b)fluoranthene		900.000	92.5	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Benzo(g,h,i)perylene		280.000	110	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Benzo(k)fluoranthene		350.000	100	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Carbazole		110.000	J 97.8	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Chrysene		830.000	100	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Dibenzo(a,h)anthracene		120.000	J 110	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Fluoranthene		1,400.000	110	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Indeno(1,2,3-cd)pyrene		310.000	120	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Phenanthrene		710.000	110	200	ug/Kg
O5827-09	RT-SB-09-10.5-11.5	Solid	Pyrene		1,100.000	96.4	200	ug/Kg
Total Svoc :					7,550.00			
Total Concentration:					10,536.00			
Client ID : EAST-WALL								
O5853-04	EAST-WALL	Solid	Benzo(a)anthracene		310.000	94.1	190	ug/Kg
O5853-04	EAST-WALL	Solid	Benzo(a)pyrene		260.000	110	190	ug/Kg
O5853-04	EAST-WALL	Solid	Benzo(b)fluoranthene		320.000	90	190	ug/Kg
O5853-04	EAST-WALL	Solid	Benzo(g,h,i)perylene		100.000	J 100	190	ug/Kg
O5853-04	EAST-WALL	Solid	Benzo(k)fluoranthene		100.000	J 98.8	190	ug/Kg
O5853-04	EAST-WALL	Solid	Chrysene		260.000	97.3	190	ug/Kg
O5853-04	EAST-WALL	Solid	Fluoranthene		540.000	110	190	ug/Kg
O5853-04	EAST-WALL	Solid	Phenanthrene		400.000	100	190	ug/Kg
O5853-04	EAST-WALL	Solid	Pyrene		390.000	93.9	190	ug/Kg
Total Svoc :					2,680.00			

Hit Summary Sheet SW-846

SDG No.: BF122723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	2,680.00				
Client ID :	WC-LIQUIDS-20231213-01							
O5862-12	WC-LIQUIDS-20231213	Water	17.alpha.(H),21.beta.(H)-Hopane	*	21.400	J		
O5862-12	WC-LIQUIDS-20231213	Water	28-Nor-17.alpha.(H)-hopane	*	26.900	J		
O5862-12	WC-LIQUIDS-20231213	Water	Benzene, (1-butylheptyl)-	*	30.000	J		
O5862-12	WC-LIQUIDS-20231213	Water	Benzene, (1-methyldodecyl)-	*	28.200	J		
O5862-12	WC-LIQUIDS-20231213	Water	Benzene, 1,3-dimethyl-	*	45.000	J		
O5862-12	WC-LIQUIDS-20231213	Water	Benzene, 1-ethyl-2-methyl-	*	37.400	J		
O5862-12	WC-LIQUIDS-20231213	Water	Benzene, 1-ethyl-4-methyl-	*	21.400	J		
O5862-12	WC-LIQUIDS-20231213	Water	Indane	*	190.000	J		
O5862-12	WC-LIQUIDS-20231213	Water	Indene	*	76.000	J		
O5862-12	WC-LIQUIDS-20231213	Water	Mesitylene	*	45.900	J		
O5862-12	WC-LIQUIDS-20231213	Water	Naphthalene, 1,6-dimethyl-	*	67.000	J		
O5862-12	WC-LIQUIDS-20231213	Water	Naphthalene, 1,7-dimethyl-	*	38.000	J		
O5862-12	WC-LIQUIDS-20231213	Water	Naphthalene, 1-ethyl-	*	40.500	J		
O5862-12	WC-LIQUIDS-20231213	Water	Naphthalene, 2,3,6-trimethyl-	*	23.900	J		
O5862-12	WC-LIQUIDS-20231213	Water	Naphthalene, 2,3-dimethyl-	*	77.500	J		
O5862-12	WC-LIQUIDS-20231213	Water	Naphthalene, 2,7-dimethyl-	*	38.200	J		
O5862-12	WC-LIQUIDS-20231213	Water	unknown13.316	*	22.000	J		
O5862-12	WC-LIQUIDS-20231213	Water	unknown13.386	*	20.000	J		
			Total Tics :	849.30				
O5862-12	WC-LIQUIDS-20231213	Water	1,1-Biphenyl		59.400	1.8	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	1-Methylnaphthalene		520.000	E 2.1	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	2-Methylnaphthalene		680.000	E 2.2	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Acenaphthene		110.000	E 1.7	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Acenaphthylene		51.100	2.1	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Anthracene		52.400	2.3	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Benzo(a)anthracene		37.200	1.5	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Benzo(a)pyrene		19.800	2.7	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Benzo(b)fluoranthene		15.200	1.5	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Benzo(g,h,i)perylene		4.800	J 1.9	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Benzo(k)fluoranthene		3.600	J 1.9	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Carbazole		15.300	1.7	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Chrysene		33.800	1.6	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Dibenzofuran		11.400	1.6	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Fluoranthene		51.600	2.1	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Fluorene		99.000	E 2	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Indeno(1,2,3-cd)pyrene		4.100	J 2.1	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Naphthalene		1,800.000	E 1.7	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Phenanthrene		220.000	E 2	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Pyrene		96.000	E 1.9	5	ug/L
O5862-12	WC-LIQUIDS-20231213	Water	Total PAH		2,598.000	E 31	80	ug/L

Hit Summary Sheet SW-846

SDG No.: BF122723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	6,482.70				
			Total Concentration:	7,332.00				
Client ID :	WC-LIQUIDS-20231213-01							
O5862-13	WC-LIQUIDS-20231213	water	1-Methylnaphthalene	140.000		20.8	50	ug/L
O5862-13	WC-LIQUIDS-20231213	water	2-Methylnaphthalene	190.000		22.3	50	ug/L
O5862-13	WC-LIQUIDS-20231213	water	Acenaphthene	25.400	J	17.2	50	ug/L
O5862-13	WC-LIQUIDS-20231213	water	Naphthalene	1,100.000	E	16.9	50	ug/L
O5862-13	WC-LIQUIDS-20231213	water	Phenanthrene	21.900	J	20	50	ug/L
O5862-13	WC-LIQUIDS-20231213	water	Total PAH	1,147.000		309	800	ug/L
			Total Svoc :	2,624.30				
			Total Concentration:	2,624.30				
Client ID :	GHL-SS-61							
O5900-08	GHL-SS-61	Solid	Heptafluorobutyric acid, n-tetradecanoic acid	230.000	J			
O5900-08	GHL-SS-61	Solid	n-Hexadecanoic acid	450.000	J			
O5900-08	GHL-SS-61	Solid	Octadecanoic acid	150.000	J			
			Total Tics :	830.00				
O5900-08	GHL-SS-61	Solid	Bis(2-ethylhexyl)phthalate	170.000	J	160	240	ug/Kg
			Total Svoc :	170.00				
			Total Concentration:	1,000.00				
Client ID :	SP-303-20231218							
O5921-03	SP-303-20231218	Water	n-Hexadecanoic acid	6.300	J			
O5921-03	SP-303-20231218	Water	Octadecanoic acid	3.100	J			
			Total Tics :	9.40				
			Total Concentration:	9.40				
Client ID :	MR-319-0-2							
O5926-01	MR-319-0-2	Solid	7-Hexadecene, (Z)-	99.700	J			
O5926-01	MR-319-0-2	Solid	n-Hexadecanoic acid	62.800	J			
			Total Tics :	162.50				
			Total Concentration:	162.50				
Client ID :	COLT0							
O5967-11	COLT0	Water	n-Hexadecanoic acid	11.000	J			
O5967-11	COLT0	Water	Octadecanoic acid	3.600	J			
			Total Tics :	14.60				
			Total Concentration:	14.60				
Client ID :	SU-03-122223							
O6011-01	SU-03-122223	Solid	1,4,5,8-Tetramethylnaphthalene	450.000	J			
O6011-01	SU-03-122223	Solid	4-Methylnaphtho[1,2-b]thiophene	410.000	J			
O6011-01	SU-03-122223	Solid	4H-Cyclopenta[def]phenanthrene	1,700.000	J			
O6011-01	SU-03-122223	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	530.000	J			
O6011-01	SU-03-122223	Solid	9,10-Anthracenedione	390.000	J			

Hit Summary Sheet SW-846

SDG No.: BF122723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O6011-01	SU-03-122223	Solid	9,10-Dimethylanthracene	*	490.000	J		
O6011-01	SU-03-122223	Solid	9H-Fluorene, 2-methyl-	*	400.000	J		
O6011-01	SU-03-122223	Solid	Anthracene, 1-methyl-	*	1,100.000	J		
O6011-01	SU-03-122223	Solid	Anthracene, 2-methyl-	*	1,400.000	J		
O6011-01	SU-03-122223	Solid	Benzo[e]pyrene	*	1,200.000	J		
O6011-01	SU-03-122223	Solid	di-p-Tolylacetylene	*	460.000	J		
O6011-01	SU-03-122223	Solid	Dibenzothiophene, 4-methyl-	*	490.000	J		
O6011-01	SU-03-122223	Solid	Fluoranthene, 2-methyl-	*	550.000	J		
O6011-01	SU-03-122223	Solid	Naphthalene, 1,6-dimethyl-	*	590.000	J		
O6011-01	SU-03-122223	Solid	Naphthalene, 2,3-dimethyl-	*	730.000	J		
O6011-01	SU-03-122223	Solid	Naphtho[2,1-b]thiophene	*	740.000	J		
O6011-01	SU-03-122223	Solid	Phenanthrene, 1-methyl-	*	640.000	J		
O6011-01	SU-03-122223	Solid	Phenanthrene, 2,5-dimethyl-	*	940.000	J		
O6011-01	SU-03-122223	Solid	Phenanthrene, 2-methyl-	*	460.000	J		
O6011-01	SU-03-122223	Solid	unknown12.404	*	1,200.000	J		
Total Tics :					14,870.00			
O6011-01	SU-03-122223	Solid	1-Methylnaphthalene		460.000	J	320	ug/Kg
O6011-01	SU-03-122223	Solid	2-Methylnaphthalene		370.000	J	330	ug/Kg
O6011-01	SU-03-122223	Solid	Acenaphthene		740.000		280	ug/Kg
O6011-01	SU-03-122223	Solid	Anthracene		1,100.000		360	ug/Kg
O6011-01	SU-03-122223	Solid	Benzo(a)anthracene		2,100.000		290	ug/Kg
O6011-01	SU-03-122223	Solid	Benzo(a)pyrene		1,800.000		330	ug/Kg
O6011-01	SU-03-122223	Solid	Benzo(b)fluoranthene		2,100.000		280	ug/Kg
O6011-01	SU-03-122223	Solid	Benzo(g,h,i)perylene		780.000		320	ug/Kg
O6011-01	SU-03-122223	Solid	Benzo(k)fluoranthene		720.000		310	ug/Kg
O6011-01	SU-03-122223	Solid	Bis(2-ethylhexyl)phthalate		1,100.000		400	ug/Kg
O6011-01	SU-03-122223	Solid	Chrysene		1,800.000		300	ug/Kg
O6011-01	SU-03-122223	Solid	Dibenzofuran		320.000	J	270	ug/Kg
O6011-01	SU-03-122223	Solid	Fluoranthene		3,800.000		330	ug/Kg
O6011-01	SU-03-122223	Solid	Fluorene		800.000		300	ug/Kg
O6011-01	SU-03-122223	Solid	Indeno(1,2,3-cd)pyrene		680.000		380	ug/Kg
O6011-01	SU-03-122223	Solid	Phenanthrene		4,500.000		330	ug/Kg
O6011-01	SU-03-122223	Solid	Pyrene		3,000.000		290	ug/Kg
O6011-01	SU-03-122223	Solid	Total PAH		23,920.000		5040	ug/Kg
Total Svoc :					50,090.00			
Total Concentration:					64,960.00			
Client ID : COMP-1								
O6018-01	COMP-1	Solid	1-Heneicosanol	*	160.000	J		
O6018-01	COMP-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	A		
O6018-01	COMP-1	Solid	unknown16.186	*	2,600.000	J		
Total Tics :					2,930.00			

Hit Summary Sheet SW-846

SDG No.: BF122723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	2,930.00				
Client ID :	COMP-2							
O6018-02	COMP-2	Solid	11H-Benzo[b]fluorene	*	110.000	J		
O6018-02	COMP-2	Solid	4H-Cyclopenta[def]phenanthrene	*	400.000	J		
O6018-02	COMP-2	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	130.000	J		
O6018-02	COMP-2	Solid	9,10-Anthracenedione	*	120.000	J		
O6018-02	COMP-2	Solid	9-Octadecenamide, (Z)-	*	89.000	J		
O6018-02	COMP-2	Solid	Anthracene, 1,4-dimethyl-	*	81.700	J		
O6018-02	COMP-2	Solid	Anthracene, 9-methyl-	*	90.500	J		
O6018-02	COMP-2	Solid	Benzo[e]pyrene	*	200.000	J		
O6018-02	COMP-2	Solid	Benzo[h]cinnoline	*	82.100	J		
O6018-02	COMP-2	Solid	Cyclopenta(def)phenanthrenone	*	100.000	J		
O6018-02	COMP-2	Solid	Dibenzothiophene	*	160.000	J		
O6018-02	COMP-2	Solid	Fluoranthene, 2-methyl-	*	95.500	J		
O6018-02	COMP-2	Solid	Hexadecane, 2,6,11,15-tetramethy	*	140.000	J		
O6018-02	COMP-2	Solid	Pentacosane	*	100.000	J		
O6018-02	COMP-2	Solid	Pentadecanoic acid	*	82.500	J		
O6018-02	COMP-2	Solid	Perylene	*	680.000	J		
O6018-02	COMP-2	Solid	Phenanthrene, 1-methyl-	*	190.000	J		
O6018-02	COMP-2	Solid	Phenanthrene, 2-methyl-	*	480.000	J		
O6018-02	COMP-2	Solid	Phenanthrene, 3-methyl-	*	120.000	J		
O6018-02	COMP-2	Solid	unknown12.404	*	100.000	J		
			Total Tics :	3,551.30				
O6018-02	COMP-2	Solid	Acenaphthene		200.000	92.4	200	ug/Kg
O6018-02	COMP-2	Solid	Anthracene		510.000	120	200	ug/Kg
O6018-02	COMP-2	Solid	Benzo(a)anthracene		1,100.000	96.6	200	ug/Kg
O6018-02	COMP-2	Solid	Benzo(a)pyrene		930.000	110	200	ug/Kg
O6018-02	COMP-2	Solid	Benzo(b)fluoranthene		1,300.000	92.4	200	ug/Kg
O6018-02	COMP-2	Solid	Benzo(g,h,i)perylene		410.000	110	200	ug/Kg
O6018-02	COMP-2	Solid	Benzo(k)fluoranthene		350.000	100	200	ug/Kg
O6018-02	COMP-2	Solid	Carbazole		260.000	97.7	200	ug/Kg
O6018-02	COMP-2	Solid	Chrysene		950.000	99.9	200	ug/Kg
O6018-02	COMP-2	Solid	Dibenzo(a,h)anthracene		120.000	J 110	200	ug/Kg
O6018-02	COMP-2	Solid	Dibenzofuran		120.000	J 88.5	200	ug/Kg
O6018-02	COMP-2	Solid	Fluoranthene		2,500.000	110	200	ug/Kg
O6018-02	COMP-2	Solid	Fluorene		210.000	97.6	200	ug/Kg
O6018-02	COMP-2	Solid	Indeno(1,2,3-cd)pyrene		380.000	120	200	ug/Kg
O6018-02	COMP-2	Solid	Phenanthrene		2,000.000	110	200	ug/Kg
O6018-02	COMP-2	Solid	Pyrene		1,400.000	96.3	200	ug/Kg
O6018-02	COMP-2	Solid	Total PAH		12,360.000	1658.9	3200	ug/Kg
			Total Svoc :	25,100.00				

Hit Summary Sheet SW-846

SDG No.: BF122723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	28,651.30				
Client ID :	COMP-3							
O6018-03	COMP-3	Solid	11H-Benzo[b]fluorene	*	92.600	J		
O6018-03	COMP-3	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	80.800	A		
O6018-03	COMP-3	Solid	4H-Cyclopenta[def]phenanthrene	*	220.000	J		
O6018-03	COMP-3	Solid	9-Octadecenamide, (Z)-	*	140.000	J		
O6018-03	COMP-3	Solid	Benzo[e]pyrene	*	140.000	J		
O6018-03	COMP-3	Solid	n-Hexadecanoic acid	*	420.000	J		
O6018-03	COMP-3	Solid	Naphthalene, 2-phenyl-	*	84.700	J		
O6018-03	COMP-3	Solid	Perylene	*	550.000	J		
O6018-03	COMP-3	Solid	Phenanthrene, 2-methyl-	*	83.100	J		
O6018-03	COMP-3	Solid	Pyrene, 1-methyl-	*	97.300	J		
O6018-03	COMP-3	Solid	Squalene	*	86.300	J		
O6018-03	COMP-3	Solid	unknown15.927	*	79.200	J		
			Total Tics :	2,074.00				
O6018-03	COMP-3	Solid	Acenaphthene		120.000	J	94.5	200 ug/Kg
O6018-03	COMP-3	Solid	Anthracene		300.000		120	200 ug/Kg
O6018-03	COMP-3	Solid	Benzo(a)anthracene		720.000		98.7	200 ug/Kg
O6018-03	COMP-3	Solid	Benzo(a)pyrene		730.000		110	200 ug/Kg
O6018-03	COMP-3	Solid	Benzo(b)fluoranthene		870.000		94.5	200 ug/Kg
O6018-03	COMP-3	Solid	Benzo(g,h,i)perylene		340.000		110	200 ug/Kg
O6018-03	COMP-3	Solid	Benzo(k)fluoranthene		340.000		100	200 ug/Kg
O6018-03	COMP-3	Solid	Carbazole		110.000	J	99.9	200 ug/Kg
O6018-03	COMP-3	Solid	Chrysene		640.000		100	200 ug/Kg
O6018-03	COMP-3	Solid	Dibenzofuran		93.400	J	90.5	200 ug/Kg
O6018-03	COMP-3	Solid	Fluoranthene		1,400.000		110	200 ug/Kg
O6018-03	COMP-3	Solid	Fluorene		100.000	J	99.8	200 ug/Kg
O6018-03	COMP-3	Solid	Indeno(1,2,3-cd)pyrene		280.000		130	200 ug/Kg
O6018-03	COMP-3	Solid	Phenanthrene		1,000.000		110	200 ug/Kg
O6018-03	COMP-3	Solid	Pyrene		910.000		98.5	200 ug/Kg
O6018-03	COMP-3	Solid	Total PAH		7,750.000		1681.8	3200 ug/Kg
			Total Svoc :	15,703.40				
			Total Concentration:	17,777.40				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122023

SAS No.: BF122023

SDG No.: BF122023

Instrument ID: _____

Calibration Date(s): 12/20/2023

Calibration Time(s): 09:16

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF122023

SAS No.: BF122023

SDG No.: BF122023

Instrument ID:

Calibration Date(s): 12/20/2023

Calibration Time(s): 09:16

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122023 SAS No.: BF122023 SDG No.: BF122023

Instrument ID: _____ Calibration Date(s): 12/20/2023

Calibration Time(s): 09:16

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 27 2023 12:00AMLab File ID: BF136645.D Time Analyzed: 10:13Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	71564	6.792	278971	8.07	149666	9.83
	UPPER LIMIT	143128	7.292	557942	8.569	299332	10.327
	LOWER LIMIT	35782	6.292	139485.5	7.569	74833	9.327
	EPA SAMPLE NO.						
01	PB158018BL	82175	6.79	315153	8.06	159503	9.82
02	PB158018BS	93650	6.79	368840	8.06	168319	9.82
03	PB157937BL	83156	6.78	319270	8.06	157296	9.82
04	PB157937BS	92748	6.79	370045	8.06	171632	9.82
05	SP-303-20231218	65967	6.78	246961	8.06	124623	9.82
06	MW-1B-EE-NNRE	76324	6.78	281974	8.06	131821	9.82
07	COLT0	68294	6.79	261736	8.06	132243	9.82
08	COLTOMS	71330	6.79	277226	8.06	137230	9.82
09	COLTOMSD	60631	6.78	224935	8.06	104762	9.82
10	RT-SB-04-12-13RE	66108	6.78	237093	8.06	112255	9.82
11	RT-SB-04-10-11	75790	6.78	279523	8.06	133025	9.82
12	PB157875TB	73914	6.78	278238	8.06	142783	9.82
13	GHL-SS-61	68999	6.78	256829	8.06	128640	9.82
14	RT-SB-04-13-14MS	75735	6.78	276627	8.06	120002	9.82
15	RT-SB-04-13-14MSD	77510	6.79	286721	8.06	129066	9.82
16	597-P-2RE	79319	6.78	301841	8.06	155630	9.82
17	WC-LIQUIDS-20231213-01	77841	6.78	295518	8.06	150136	9.82
18	WC-LIQUIDS-20231213-01MS	72464	6.79	283310	8.06	144920	9.82
19	WC-LIQUIDS-20231213-01MSD	83116	6.78	324049	8.06	171682	9.82
20	RT-SB-07-10-11	75465	6.78	278278	8.06	133388	9.82
21	RT-SB-09-10.5-11.5	67896	6.78	262211	8.06	134160	9.82
22	WC-LIQUIDS-20231213-01	67584	6.79	163596	8.09	118705	9.82
23	COMP-1	76305	6.78	298684	8.06	146160	9.82
24	MR-319-0-2	66917	6.78	254786	8.06	123420	9.82



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 28 2023 12:00AMLab File ID: BF136645.D Time Analyzed: 00:35Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	71564	6.792	278971	8.07	149666	9.83
UPPER LIMIT	143128	7.292	557942	8.569	299332	10.327
LOWER LIMIT	35782	6.292	139485.5	7.569	74833	9.327
EPA SAMPLE NO.						
25 EAST-WALL	73255	6.78	277014	8.06	131943	9.82
26 EAST-WALLMS	76355	6.79	292269	8.06	142604	9.82
27 EAST-WALLMSD	73387	6.79	278296	8.06	134478	9.82
28 COMP-3	75215	6.78	273870	8.06	132282	9.82
29 COMP-2	66592	6.78	235866	8.06	102418	9.82
30 SU-03-122223	70273	6.78	248662	8.06	105785	9.82
31 PL-04-122023MS	66969	6.79	225826	8.06	95366	9.82
32 PL-04-122023MSD	58225	6.79	189768	8.06	83061	9.82

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 27 2023 12:00AMLab File ID: BF136748.D Time Analyzed: 10:13Instrument 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	75639	6.786	270854	8.06	125579	9.82
UPPER LIMIT	151278	7.286	541708	8.563	251158	10.322
LOWER LIMIT	37819.5	6.286	135427	7.563	62789.5	9.322
EPA SAMPLE NO.						
01 PB158018BL	82175	6.79	315153	8.06	159503	9.82
02 PB158018BS	93650	6.79	368840	8.06	168319	9.82
03 PB157937BL	83156	6.78	319270	8.06	157296	9.82
04 PB157937BS	92748	6.79	370045	8.06	171632	9.82
05 SP-303-20231218	65967	6.78	246961	8.06	124623	9.82
06 MW-1B-EE-NNRE	76324	6.78	281974	8.06	131821	9.82
07 COLT0	68294	6.79	261736	8.06	132243	9.82
08 COLTOMS	71330	6.79	277226	8.06	137230	9.82
09 COLTOMSD	60631	6.78	224935	8.06	104762	9.82
10 RT-SB-04-12-13RE	66108	6.78	237093	8.06	112255	9.82
11 RT-SB-04-10-11	75790	6.78	279523	8.06	133025	9.82

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER 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.: BF122723 SAS No.: BF122723 SDG NO.: BF122723EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 27 2023 12:00AMLab File ID: BF136762.D Time Analyzed: 17:49Instrument 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	79086	6.787	285442	8.06	138803	9.82
	UPPER LIMIT	158172	7.287	570884	8.563	277606	10.322
	LOWER LIMIT	39543	6.287	142721	7.563	69401.5	9.322
	EPA SAMPLE NO.						
01	PB157875TB	73914	6.78	278238	8.06	142783	9.82
02	GHL-SS-61	68999	6.78	256829	8.06	128640	9.82
03	RT-SB-04-13-14MS	75735	6.78	276627	8.06	120002	9.82
04	RT-SB-04-13-14MSD	77510	6.79	286721	8.06	129066	9.82
05	597-P-2RE	79319	6.78	301841	8.06	155630	9.82
06	WC-LIQUIDS-20231213-01	77841	6.78	295518	8.06	150136	9.82
07	WC-LIQUIDS-20231213-01MS	72464	6.79	283310	8.06	144920	9.82
08	WC-LIQUIDS-20231213-01MSD	83116	6.78	324049	8.06	171682	9.82
09	RT-SB-07-10-11	75465	6.78	278278	8.06	133388	9.82
10	RT-SB-09-10.5-11.5	67896	6.78	262211	8.06	134160	9.82
11	WC-LIQUIDS-20231213-01	67584	6.79	163596	8.09	118705	9.82
12	COMP-1	76305	6.78	298684	8.06	146160	9.82
13	MR-319-0-2	66917	6.78	254786	8.06	123420	9.82
14	EAST-WALL	73255	6.78	277014	8.06	131943	9.82
15	EAST-WALLMS	76355	6.79	292269	8.06	142604	9.82
16	EAST-WALLMSD	73387	6.79	278296	8.06	134478	9.82
17	COMP-3	75215	6.78	273870	8.06	132282	9.82
18	COMP-2	66592	6.78	235866	8.06	102418	9.82
19	SU-03-122223	70273	6.78	248662	8.06	105785	9.82
20	PL-04-122023MS	66969	6.79	225826	8.06	95366	9.82
21	PL-04-122023MSD	58225	6.79	189768	8.06	83061	9.82

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 28 2023 12:00AM

Lab File ID: BF136762.D Time Analyzed: 04:11

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	79086	6.787	285442	8.06	138803	9.82
UPPER LIMIT	158172	7.287	570884	8.563	277606	10.322
LOWER LIMIT	39543	6.287	142721	7.563	69401.5	9.322
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723

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

Lab File ID: BF136645.D Time Analyzed: 10:13

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	284111	11.316	155152	13.968	135880	15.445
UPPER LIMIT	568222	11.816	310304	14.468	271760	15.945
LOWER LIMIT	142055.5	10.816	77576	13.468	67940	14.945
EPA SAMPLE NO.						
01 PB158018BL	288734	11.31	166101	13.96	163583	15.45
02 PB158018BS	289521	11.32	164351	13.97	155129	15.45
03 PB157937BL	289311	11.31	163908	13.96	160858	15.45
04 PB157937BS	295500	11.32	172808	13.97	157848	15.45
05 SP-303-20231218	222958	11.31	134529	13.96	153000	15.44
06 MW-1B-EE-NNRE	214531	11.31	146092	13.96	151821	15.45
07 COLT0	243928	11.31	134143	13.96	143791	15.45
08 COLTOMS	243937	11.31	127780	13.97	149437	15.45
09 COLTOMSD	179003	11.31	113608	13.96	143829	15.45
10 RT-SB-04-12-13RE	182527	11.31	124710	13.97	152440	15.45
11 RT-SB-04-10-11	213790	11.30	140908	13.96	177459	15.44
12 PB157875TB	260138	11.30	156989	13.96	145648	15.44
13 GHL-SS-61	242042	11.30	130150	13.96	149999	15.44
14 RT-SB-04-13-14MS	181590	11.31	103564	13.99	121257	15.50
15 RT-SB-04-13-14MSD	192629	11.31	105924	13.99	121402	15.50
16 597-P-2RE	269362	11.30	149241	13.96	176638	15.44
17 WC-LIQUIDS-20231213-01	276948	11.30	149066	13.96	168881	15.44
18 WC-LIQUIDS-20231213-01MS	265046	11.31	136726	13.97	159170	15.45
19 WC-LIQUIDS-20231213-01MSD	325395	11.31	156445	13.97	173160	15.45
20 RT-SB-07-10-11	210667	11.30	132905	13.97	151116	15.47
21 RT-SB-09-10.5-11.5	236482	11.31	131309	13.96	151618	15.45
22 WC-LIQUIDS-20231213-01	160400	11.32	71547 *	14.00	106420	15.51

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723

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

Lab File ID: BF136645.D Time Analyzed: 23:33

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	284111	11.316	155152	13.968	135880	15.445
UPPER LIMIT	568222	11.816	310304	14.468	271760	15.945
LOWER LIMIT	142055.5	10.816	77576	13.468	67940	14.945
EPA SAMPLE NO.						
23 COMP-1	233900	11.31	144449	13.96	147850	15.45
24 MR-319-0-2	198643	11.30	131621	13.96	144799	15.44
25 EAST-WALL	219652	11.30	145543	13.96	159001	15.45
26 EAST-WALLMS	234980	11.31	140585	13.97	152326	15.45
27 EAST-WALLMSD	218363	11.31	143675	13.97	155513	15.45
28 COMP-3	203648	11.30	145257	13.96	134871	15.45
29 COMP-2	163012	11.31	138819	13.97	118217	15.45
30 SU-03-122223	170647	11.31	138762	13.97	105120	15.45
31 PL-04-122023MS	170036	11.31	149384	13.97	119847	15.45
32 PL-04-122023MSD	165089	11.31	143925	13.97	108781	15.45

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723

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

Lab File ID: BF136748.D Time Analyzed: 10:13

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	213824	11.31	123255	13.968	143347	15.451
UPPER LIMIT	427648	11.81	246510	14.468	286694	15.951
LOWER LIMIT	106912	10.81	61627.5	13.468	71673.5	14.951
EPA SAMPLE NO.						
01 PB158018BL	288734	11.31	166101	13.96	163583	15.45
02 PB158018BS	289521	11.32	164351	13.97	155129	15.45
03 PB157937BL	289311	11.31	163908	13.96	160858	15.45
04 PB157937BS	295500	11.32	172808	13.97	157848	15.45
05 SP-303-20231218	222958	11.31	134529	13.96	153000	15.44
06 MW-1B-EE-NNRE	214531	11.31	146092	13.96	151821	15.45
07 COLT0	243928	11.31	134143	13.96	143791	15.45
08 COLTOMS	243937	11.31	127780	13.97	149437	15.45
09 COLTOMSD	179003	11.31	113608	13.96	143829	15.45
10 RT-SB-04-12-13RE	182527	11.31	124710	13.97	152440	15.45
11 RT-SB-04-10-11	213790	11.30	140908	13.96	177459	15.44

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.: BF122723 SAS No.: BF122723 SDG NO.: BF122723

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

Lab File ID: BF136762.D Time Analyzed: 17:49

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	247328	11.31	142131	13.968	147467	15.439
	UPPER LIMIT	494656	11.81	284262	14.468	294934	15.939
	LOWER LIMIT	123664	10.81	71065.5	13.468	73733.5	14.939
	EPA SAMPLE NO.						
01	PB157875TB	260138	11.30	156989	13.96	145648	15.44
02	GHL-SS-61	242042	11.30	130150	13.96	149999	15.44
03	RT-SB-04-13-14MS	181590	11.31	103564	13.99	121257	15.50
04	RT-SB-04-13-14MSD	192629	11.31	105924	13.99	121402	15.50
05	597-P-2RE	269362	11.30	149241	13.96	176638	15.44
06	WC-LIQUIDS-20231213-01	276948	11.30	149066	13.96	168881	15.44
07	WC-LIQUIDS-20231213-01MS	265046	11.31	136726	13.97	159170	15.45
08	WC-LIQUIDS-20231213-01MSD	325395	11.31	156445	13.97	173160	15.45
09	RT-SB-07-10-11	210667	11.30	132905	13.97	151116	15.47
10	RT-SB-09-10.5-11.5	236482	11.31	131309	13.96	151618	15.45
11	WC-LIQUIDS-20231213-01	160400	11.32	71547	14.00	106420	15.51
12	COMP-1	233900	11.31	144449	13.96	147850	15.45
13	MR-319-0-2	198643	11.30	131621	13.96	144799	15.44
14	EAST-WALL	219652	11.30	145543	13.96	159001	15.45
15	EAST-WALLMS	234980	11.31	140585	13.97	152326	15.45
16	EAST-WALLMSD	218363	11.31	143675	13.97	155513	15.45
17	COMP-3	203648	11.30	145257	13.96	134871	15.45
18	COMP-2	163012	11.31	138819	13.97	118217	15.45
19	SU-03-122223	170647	11.31	138762	13.97	105120	15.45
20	PL-04-122023MS	170036	11.31	149384	13.97	119847	15.45
21	PL-04-122023MSD	165089	11.31	143925	13.97	108781	15.45

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122723 SAS No.: BF122723 SDG NO.: BF122723

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 28 2023 12:00AM

Lab File ID: BF136762.D Time Analyzed: 04:11

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	247328	11.31	142131	13.968	147467	15.439
UPPER LIMIT	494656	11.81	284262	14.468	294934	15.939
LOWER LIMIT	123664	10.81	71065.5	13.468	73733.5	14.939
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB157937BS	n-Nitrosodimethylamine	50	39.7	ug/L	79					55	108	
	Pyridine	50	28.9	ug/L	58					29	97	
	Benzaldehyde	50	13.9	ug/L	28					15	121	
	Aniline	50	23.5	ug/L	47					10	130	
	Phenol	50	38.1	ug/L	76					66	118	
	bis(2-Chloroethyl)ether	50	40.8	ug/L	82					62	103	
	2-Chlorophenol	50	42	ug/L	84					70	117	
	1,2-Dichlorobenzene	50	39.3	ug/L	79					72	102	
	1,3-Dichlorobenzene	50	38.2	ug/L	76					71	103	
	1,4-Dichlorobenzene	50	38.6	ug/L	77					76	103	
	Benzyl Alcohol	50	42	ug/L	84					36	93	
	2-Methylphenol	50	38.5	ug/L	77					69	109	
	2,2-oxybis(1-Chloropropane)	50	39.6	ug/L	79					52	103	
	Acetophenone	50	40.2	ug/L	80					60	104	
	3+4-Methylphenols	50	36.9	ug/L	74					67	106	
	N-Nitroso-di-n-propylamine	50	38.9	ug/L	78					57	107	
	Hexachloroethane	50	38.8	ug/L	78					76	118	
	Nitrobenzene	50	38.2	ug/L	76					58	106	
	Isophorone	50	37.4	ug/L	75					61	102	
	2-Nitrophenol	50	40.6	ug/L	81					70	115	
	2,4-Dimethylphenol	50	48.5	ug/L	97					67	130	
	bis(2-Chloroethoxy)methane	50	37.9	ug/L	76					58	109	
	2,4-Dichlorophenol	50	37.4	ug/L	75					66	115	
	1,2,4-Trichlorobenzene	50	38.5	ug/L	77					41	115	
	Benzoic acid	50	35.7	ug/L	71					10	125	
	Naphthalene	50	38.2	ug/L	76					64	107	
	4-Chloroaniline	50	21.8	ug/L	44					10	85	
	Hexachlorobutadiene	50	37.2	ug/L	74					69	101	
	Caprolactam	50	35.5	ug/L	71					58	128	
	4-Chloro-3-methylphenol	50	35.4	ug/L	71					65	114	
	2-Methylnaphthalene	50	36.2	ug/L	72					64	107	
	Hexachlorocyclopentadiene	100	88.1	ug/L	88					36	160	
	2,4,6-Trichlorophenol	50	41.3	ug/L	83					61	110	
	2,4,5-Trichlorophenol	50	39.2	ug/L	78					70	106	
	1,1-Biphenyl	50	40.2	ug/L	80					72	98	
	2-Chloronaphthalene	50	40.1	ug/L	80					59	106	
	2-Nitroaniline	50	39	ug/L	78					58	107	
	Dimethylphthalate	50	38.2	ug/L	76					64	103	
	Acenaphthylene	50	41	ug/L	82					65	108	
	2,6-Dinitrotoluene	50	37.3	ug/L	75					64	110	
	3-Nitroaniline	50	29.5	ug/L	59					28	100	
	Acenaphthene	50	38.7	ug/L	77					59	113	
	Total PAH	800	676.7	ug/L	85					59	113	
	2,4-Dinitrophenol	100	66.2	ug/L	66					64	132	
	4-Nitrophenol	100	67	ug/L	67			*		68	116	
	Dibenzofuran	50	38.4	ug/L	77					65	106	



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

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB157937BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	100	73.1	ug/L	73				60	115	
	2,4-Dinitrotoluene	50	35.8	ug/L	72				60	115	
	Diethylphthalate	50	36.4	ug/L	73				63	105	
	4-Chlorophenyl-phenylether	50	36.4	ug/L	73				61	104	
	Fluorene	50	37.3	ug/L	75				64	107	
	4-Nitroaniline	50	31.3	ug/L	63		*		69	112	
	4,6-Dinitro-2-methylphenol	50	40.6	ug/L	81				62	132	
	N-Nitrosodiphenylamine	50	42.3	ug/L	85				61	109	
	Azobenzene	50	36.1	ug/L	72				59	106	
	4-Bromophenyl-phenylether	50	41.6	ug/L	83				73	103	
	Hexachlorobenzene	50	41	ug/L	82				73	106	
	Atrazine	50	39.2	ug/L	78				76	120	
	Pentachlorophenol	100	66.9	ug/L	67				47	114	
	Phenanthrene	50	41.2	ug/L	82				62	109	
	Anthracene	50	40.7	ug/L	81				65	110	
	Carbazole	50	38.7	ug/L	77				62	106	
	Di-n-butylphthalate	50	38.7	ug/L	77				64	106	
	Fluoranthene	50	38.1	ug/L	76				64	110	
	Benzidine	100	7.3	ug/L	7		*		10	94	
	Pyrene	50	36.6	ug/L	73				71	103	
	Butylbenzylphthalate	50	40.1	ug/L	80				61	105	
	3,3-Dichlorobenzidine	50	44.7	ug/L	89				43	108	
	Benzo(a)anthracene	50	40.1	ug/L	80				62	107	
	Chrysene	50	39.8	ug/L	80				61	108	
	bis(2-Ethylhexyl)phthalate	50	43.5	ug/L	87				59	110	
	Di-n-octyl phthalate	50	47.7	ug/L	95				67	126	
	Benzo(b)fluoranthene	50	44	ug/L	88				77	113	
	Benzo(k)fluoranthene	50	45.5	ug/L	91				64	113	
	Benzo(a)pyrene	50	46.1	ug/L	92				72	131	
	Indeno(1,2,3-cd)pyrene	50	49	ug/L	98				72	105	
	Dibenz(a,h)anthracene	50	50.9	ug/L	102				78	115	
	Benzo(g,h,i)perylene	50	49.5	ug/L	99				75	118	
	1,2,4,5-Tetrachlorobenzene	50	42.1	ug/L	84				72	101	
	1,4-Dioxane	50	29.7	ug/L	59				38	125	
	2,3,4,6-Tetrachlorophenol	50	40	ug/L	80				63	116	
	1-Methylnaphthalene	50	35	ug/L	70				51	114	



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

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB158018BS	n-Nitrosodimethylamine	50	38.7	ug/L	77					55	108	
	Pyridine	50	28.2	ug/L	56					29	97	
	Benzaldehyde	50	13.5	ug/L	27					15	121	
	Aniline	50	23.5	ug/L	47					10	130	
	Phenol	50	37.7	ug/L	75					66	118	
	bis(2-Chloroethyl)ether	50	40.3	ug/L	81					62	103	
	2-Chlorophenol	50	41.8	ug/L	84					70	117	
	1,2-Dichlorobenzene	50	38.7	ug/L	77					72	102	
	1,3-Dichlorobenzene	50	37.8	ug/L	76					71	103	
	1,4-Dichlorobenzene	50	37.7	ug/L	75		*			76	103	
	Benzyl Alcohol	50	41.9	ug/L	84					36	93	
	2-Methylphenol	50	37.7	ug/L	75					69	109	
	2,2-oxybis(1-Chloropropane)	50	39.5	ug/L	79					52	103	
	Acetophenone	50	39.7	ug/L	79					60	104	
	3+4-Methylphenols	50	37	ug/L	74					67	106	
	N-Nitroso-di-n-propylamine	50	37.8	ug/L	76					57	107	
	Hexachloroethane	50	36.9	ug/L	74		*			76	118	
	Nitrobenzene	50	38.1	ug/L	76					58	106	
	Isophorone	50	37.3	ug/L	75					61	102	
	2-Nitrophenol	50	41.1	ug/L	82					70	115	
	2,4-Dimethylphenol	50	48.7	ug/L	97					67	130	
	bis(2-Chloroethoxy)methane	50	37.7	ug/L	75					58	109	
	2,4-Dichlorophenol	50	37.6	ug/L	75					66	115	
	1,2,4-Trichlorobenzene	50	38.3	ug/L	77					41	115	
	Benzoic acid	50	36.1	ug/L	72					10	125	
	Naphthalene	50	38	ug/L	76					64	107	
	4-Chloroaniline	50	21.5	ug/L	43					10	85	
	Hexachlorobutadiene	50	37.1	ug/L	74					69	101	
	Caprolactam	50	34.9	ug/L	70					58	128	
	4-Chloro-3-methylphenol	50	35.3	ug/L	71					65	114	
	2-Methylnaphthalene	50	36.7	ug/L	73					64	107	
	Hexachlorocyclopentadiene	100	87.2	ug/L	87					36	160	
	2,4,6-Trichlorophenol	50	41.2	ug/L	82					61	110	
	2,4,5-Trichlorophenol	50	40.2	ug/L	80					70	106	
	1,1-Biphenyl	50	40.8	ug/L	82					72	98	
	2-Chloronaphthalene	50	40.2	ug/L	80					59	106	
	2-Nitroaniline	50	39.2	ug/L	78					58	107	
	Dimethylphthalate	50	38.3	ug/L	77					64	103	
	Acenaphthylene	50	41.5	ug/L	83					65	108	
	2,6-Dinitrotoluene	50	38.2	ug/L	76					64	110	
	3-Nitroaniline	50	30.1	ug/L	60					28	100	
	Acenaphthene	50	38.6	ug/L	77					59	113	
	Total PAH	800	676.1	ug/L	85					59	113	
	2,4-Dinitrophenol	100	69.1	ug/L	69					64	132	
	4-Nitrophenol	100	68.4	ug/L	68					68	116	
	Dibenzofuran	50	39	ug/L	78					65	106	



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

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB158018BS	2,4-Dinitrotoluene	50	35.7	ug/L	71				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	73.9	ug/L	74				60	115	
	Diethylphthalate	50	36.5	ug/L	73				63	105	
	4-Chlorophenyl-phenylether	50	37.3	ug/L	75				61	104	
	Fluorene	50	37.8	ug/L	76				64	107	
	4-Nitroaniline	50	30.8	ug/L	62		*		69	112	
	4,6-Dinitro-2-methylphenol	50	41.5	ug/L	83				62	132	
	N-Nitrosodiphenylamine	50	42.8	ug/L	86				61	109	
	Azobenzene	50	36.6	ug/L	73				59	106	
	4-Bromophenyl-phenylether	50	41	ug/L	82				73	103	
	Hexachlorobenzene	50	41.2	ug/L	82				73	106	
	Atrazine	50	39	ug/L	78				76	120	
	Pentachlorophenol	100	68.8	ug/L	69				47	114	
	Phenanthrene	50	41.1	ug/L	82				62	109	
	Anthracene	50	40.3	ug/L	81				65	110	
	Carbazole	50	38.4	ug/L	77				62	106	
	Di-n-butylphthalate	50	38.6	ug/L	77				64	106	
	Fluoranthene	50	37.1	ug/L	74				64	110	
	Benzidine	100	7.2	ug/L	7		*		10	94	
	Pyrene	50	36.8	ug/L	74				71	103	
	Butylbenzylphthalate	50	40.3	ug/L	81				61	105	
	3,3-Dichlorobenzidine	50	43.8	ug/L	88				43	108	
	Benzo(a)anthracene	50	40.3	ug/L	81				62	107	
	Chrysene	50	40	ug/L	80				61	108	
	bis(2-Ethylhexyl)phthalate	50	43.2	ug/L	86				59	110	
	Di-n-octyl phthalate	50	48.7	ug/L	97				67	126	
	Benzo(b)fluoranthene	50	46.7	ug/L	93				77	113	
	Benzo(k)fluoranthene	50	41.2	ug/L	82				64	113	
	Benzo(a)pyrene	50	45.3	ug/L	91				72	131	
	Indeno(1,2,3-cd)pyrene	50	50.3	ug/L	101				72	105	
	Dibenz(a,h)anthracene	50	51	ug/L	102				78	115	
	Benzo(g,h,i)perylene	50	50.1	ug/L	100				75	118	
	1,2,4,5-Tetrachlorobenzene	50	43.2	ug/L	86				72	101	
	1,4-Dioxane	50	29.1	ug/L	58				38	125	
	2,3,4,6-Tetrachlorophenol	50	41	ug/L	82				63	116	
	1-Methylnaphthalene	50	35	ug/L	70				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RT-SB-04-10-11

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136759.DLab Sample ID: O5796-01Instrument ID: BNA_FDate Extracted: 12/13/2023Matrix: (soil/water) SolidDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 15:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RT-SB-04-10-11	O5796-01	BF136759.D	12/27/2023
RT-SB-04-13-14MS	O5796-05MS	BF136765.D	12/27/2023
RT-SB-04-13-14MSD	O5796-06MSD	BF136766.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RT-SB-07-10-11

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BF122723

SAS No.: BF122723

SDG NO.: BF122723

Lab File ID: BF136771.D

Lab Sample ID: 05827-03

Instrument ID: BNA_F

Date Extracted: 12/14/2023

Matrix: (soil/water) Solid

Date Analyzed: 12/27/2023

Level: (low/med) LOW

Time Analyzed: 22:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RT-SB-07-10-11	05827-03	BF136771.D	12/27/2023
RT-SB-09-10.5-11.5	05827-09	BF136772.D	12/27/2023

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EAST-WALL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136776.DLab Sample ID: O5853-04Instrument ID: BNA_FDate Extracted: 12/15/2023Matrix: (soil/water) SolidDate Analyzed: 12/28/2023Level: (low/med) LOWTime Analyzed: 00:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EAST-WALL	O5853-04	BF136776.D	12/28/2023
EAST-WALLMS	O5853-04MS	BF136777.D	12/28/2023
EAST-WALLMSD	O5853-04MSD	BF136778.D	12/28/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WC-LIQUIDS-20231213

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136773.DLab Sample ID: 05862-12Instrument ID: BNA_FDate Extracted: 12/18/2023Matrix: (soil/water) WaterDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 23:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-LIQUIDS-20231213-01	05862-12	BF136773.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB157937BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136751.DLab Sample ID: PB157937BLInstrument ID: BNA_FDate Extracted: 12/20/2023Matrix: (soil/water) waterDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 11:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB157937BS	PB157937BS	BF136752.D	12/27/2023
PB157875TB	PB157875TB	BF136763.D	12/27/2023
WC-LIQUIDS-20231213-01	O5862-13	BF136768.D	12/27/2023
WC-LIQUIDS-20231213-01MS	O5862-13MS	BF136769.D	12/27/2023
WC-LIQUIDS-20231213-01MSD	O5862-13MSD	BF136770.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

GHL-SS-61

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136764.DLab Sample ID: O5900-08Instrument ID: BNA_FDate Extracted: 12/21/2023Matrix: (soil/water) SolidDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 18:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
GHL-SS-61	O5900-08	BF136764.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PL-04-122023MS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136782.DLab Sample ID: O5940-05MSInstrument ID: BNA_FDate Extracted: 12/21/2023Matrix: (soil/water) SolidDate Analyzed: 12/28/2023Level: (low/med) LOWTime Analyzed: 03:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PL-04-122023MS	O5940-05MS	BF136782.D	12/28/2023
PL-04-122023MSD	O5940-05MSD	BF136783.D	12/28/2023
MR-319-0-2	O5926-01	BF136775.D	12/28/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158018BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136749.DLab Sample ID: PB158018BLInstrument ID: BNA_FDate Extracted: 12/21/2023Matrix: (soil/water) WaterDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 10:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB158018BS	PB158018BS	BF136750.D	12/27/2023
SP-303-20231218	O5921-03	BF136753.D	12/27/2023
COLT0	O5967-11	BF136755.D	12/27/2023
COLT0MS	O5967-12MS	BF136756.D	12/27/2023
COLT0MSD	O5967-13MSD	BF136757.D	12/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

COMP-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122723SAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136774.DLab Sample ID: O6018-01Instrument ID: BNA_FDate Extracted: 12/23/2023Matrix: (soil/water) SolidDate Analyzed: 12/27/2023Level: (low/med) LOWTime Analyzed: 23:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
COMP-1	O6018-01	BF136774.D	12/27/2023
COMP-3	O6018-03	BF136779.D	12/28/2023
COMP-2	O6018-02	BF136780.D	12/28/2023
SU-03-122223	O6011-01	BF136781.D	12/28/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Lab Sample ID:	O5967-12MS	Client Sample ID:	C0LT0MS					DataFile:	BF136756.D		
n-Nitrosodimethylamine	50.5		13.8	ug/L	27				10	130	
Pyridine	50.5		15.4	ug/L	30				10	109	
Benzaldehyde	50.5		13.6	ug/L	27				10	137	
Aniline	50.5		15.3	ug/L	30				10	130	
Phenol	50.5		7.5	ug/L	15				10	130	
bis(2-Chloroethyl)ether	50.5		33	ug/L	65				29	141	
2-Chlorophenol	50.5		20.9	ug/L	41				23	127	
1,2-Dichlorobenzene	50.5		32.1	ug/L	64				61	114	
1,3-Dichlorobenzene	50.5		31.6	ug/L	63	*			65	106	
1,4-Dichlorobenzene	50.5		31.7	ug/L	63				55	125	
Benzyl Alcohol	50.5		22.7	ug/L	45				31	94	
2-Methylphenol	50.5		16.9	ug/L	33				23	132	
2,2-oxybis(1-Chloropropane)	50.5		32.2	ug/L	64				36	141	
Acetophenone	50.5		35	ug/L	69				31	164	
3+4-Methylphenols	50.5		14.8	ug/L	29				17	136	
N-Nitroso-di-n-propylamine	50.5		32.7	ug/L	65				36	147	
Hexachloroethane	50.5		31.2	ug/L	62				35	137	
Nitrobenzene	50.5		32	ug/L	63				40	134	
Isophorone	50.5		32.3	ug/L	64				39	146	
2-Nitrophenol	50.5		24.7	ug/L	49				30	148	
2,4-Dimethylphenol	50.5		28.4	ug/L	56				17	143	
bis(2-Chloroethoxy)methane	50.5		32.8	ug/L	65				39	143	
2,4-Dichlorophenol	50.5		23.2	ug/L	46				22	146	
1,2,4-Trichlorobenzene	50.5		32.1	ug/L	64	*			66	110	
Benzoic acid	50.5		0	ug/L	0	*			10	101	
Naphthalene	50.5		31.6	ug/L	63				17	157	
4-Chloroaniline	50.5		11.6	ug/L	23				10	95	
Hexachlorobutadiene	50.5		31.3	ug/L	62				52	125	
Caprolactam	50.5		5.2	ug/L	10				10	130	
4-Chloro-3-methylphenol	50.5		21.1	ug/L	42				17	148	
2-Methylnaphthalene	50.5		31.3	ug/L	62				38	146	
Hexachlorocyclopentadiene	100		83.3	ug/L	83				20	153	
2,4,6-Trichlorophenol	50.5		25.1	ug/L	50				46	139	
2,4,5-Trichlorophenol	50.5		24	ug/L	48				42	129	
1,1-Biphenyl	50.5		35	ug/L	69				38	154	
2-Chloronaphthalene	50.5		33.2	ug/L	66				41	145	
2-Nitroaniline	50.5		34.6	ug/L	69				39	151	
Dimethylphthalate	50.5		33.6	ug/L	67				42	147	
Acenaphthylene	50.5		36.2	ug/L	72				40	141	
2,6-Dinitrotoluene	50.5		33.3	ug/L	66				43	148	
3-Nitroaniline	50.5		17.3	ug/L	34				10	111	
Acenaphthene	50.5		33.3	ug/L	66				37	146	
Total PAH	808		524.2	ug/L	65				37	146	
2,4-Dinitrophenol	100		34.2	ug/L	34				14	167	
4-Nitrophenol	100		12.5	ug/L	13				10	130	
Dibenzofuran	50.5		33.7	ug/L	67				41	145	
2,4-Dinitrotoluene	50.5		32.2	ug/L	64				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

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	101		65.5	ug/L	65				40	151	
Diethylphthalate	50.5		33.5	ug/L	66				41	148	
4-Chlorophenyl-phenylether	50.5		32.5	ug/L	64				38	149	
Fluorene	50.5		33.2	ug/L	66				39	144	
4-Nitroaniline	50.5		29.5	ug/L	58				27	138	
4,6-Dinitro-2-methylphenol	50.5		21.5	ug/L	43				32	175	
N-Nitrosodiphenylamine	50.5		36.5	ug/L	72				40	150	
Azobenzene	50.5		33.2	ug/L	66	*			72	112	
4-Bromophenyl-phenylether	50.5		35.4	ug/L	70				42	151	
Hexachlorobenzene	50.5		34.9	ug/L	69				60	129	
Atrazine	50.5		45.6	ug/L	90				20	162	
Pentachlorophenol	100		40.2	ug/L	40				15	137	
Phenanthrene	50.5		35	ug/L	69				40	147	
Anthracene	50.5		34.9	ug/L	69				41	146	
Carbazole	50.5		32.2	ug/L	64				37	154	
Di-n-butylphthalate	50.5		35.8	ug/L	71				40	151	
Fluoranthene	50.5		30.5	ug/L	60				42	146	
Benzidine	100		28.4	ug/L	28				10	130	
Pyrene	50.5		31.8	ug/L	63				41	149	
Butylbenzylphthalate	50.5		35.6	ug/L	70				39	155	
3,3-Dichlorobenzidine	50.5		19.5	ug/L	39				10	114	
Benzo(a)anthracene	50.5		33.4	ug/L	66				41	147	
Chrysene	50.5		32.8	ug/L	65				44	144	
bis(2-Ethylhexyl)phthalate	50.5		38.2	ug/L	76				33	160	
Di-n-octyl phthalate	50.5		40	ug/L	79				36	158	
Benzo(b)fluoranthene	50.5		31.1	ug/L	62				40	150	
Benzo(k)fluoranthene	50.5		29.6	ug/L	59				40	147	
Benzo(a)pyrene	50.5		32.9	ug/L	65				42	147	
Indeno(1,2,3-cd)pyrene	50.5		33.5	ug/L	66				30	166	
Dibenz(a,h)anthracene	50.5		34	ug/L	67				23	172	
Benzo(g,h,i)perylene	50.5		30.4	ug/L	60				27	167	
1,2,4,5-Tetrachlorobenzene	50.5		36.4	ug/L	72	*			89	102	
1,4-Dioxane	50.5		13.2	ug/L	26	*			38	130	
2,3,4,6-Tetrachlorophenol	50.5		24.2	ug/L	48	*			91	111	
1-Methylnaphthalene	50.5		30.9	ug/L	61				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O5967-13MSD	Client Sample ID:	C0LT0MSD					DataFile:	BF136757.D		
n-Nitrosodimethylamine	50		13.8	ug/L	28		4		10	130	20
Pyridine	50		15.6	ug/L	31		3		10	109	20
Benzaldehyde	50		13.7	ug/L	27		0		10	137	20
Aniline	50		14.7	ug/L	29		3		10	130	20
Phenol	50		7.4	ug/L	15		0		10	130	20
bis(2-Chloroethyl)ether	50		33.2	ug/L	66		2		29	141	20
2-Chlorophenol	50		20.9	ug/L	42		2		23	127	20
1,2-Dichlorobenzene	50		33.1	ug/L	66		3		61	114	20
1,3-Dichlorobenzene	50		32.5	ug/L	65		3		65	106	20
1,4-Dichlorobenzene	50		32.1	ug/L	64		2		55	125	20
Benzyl Alcohol	50		22.3	ug/L	45		0		31	94	20
2-Methylphenol	50		16.6	ug/L	33		0		23	132	20
2,2-oxybis(1-Chloropropane)	50		32.9	ug/L	66		3		36	141	20
Acetophenone	50		36.7	ug/L	73		6		31	164	20
3+4-Methylphenols	50		14.4	ug/L	29		0		17	136	20
N-Nitroso-di-n-propylamine	50		32.6	ug/L	65		0		36	147	20
Hexachloroethane	50		32.6	ug/L	65		5		35	137	20
Nitrobenzene	50		32.6	ug/L	65		3		40	134	20
Isophorone	50		33.3	ug/L	67		5		39	146	20
2-Nitrophenol	50		25	ug/L	50		2		30	148	20
2,4-Dimethylphenol	50		28.1	ug/L	56		0		17	143	20
bis(2-Chloroethoxy)methane	50		33.7	ug/L	67		3		39	143	20
2,4-Dichlorophenol	50		23.7	ug/L	47		2		22	146	20
1,2,4-Trichlorobenzene	50		33.5	ug/L	67		5		66	110	20
Benzoic acid	50		0	ug/L	0	*			10	101	20
Naphthalene	50		33	ug/L	66		5		17	157	20
4-Chloroaniline	50		12.2	ug/L	24		4		10	95	20
Hexachlorobutadiene	50		33.1	ug/L	66		6		52	125	20
Caprolactam	50		5.2	ug/L	10		0		10	130	20
4-Chloro-3-methylphenol	50		20	ug/L	40		5		17	148	20
2-Methylnaphthalene	50		32	ug/L	64		3		38	146	20
Hexachlorocyclopentadiene	100		89.8	ug/L	90		8		20	153	20
2,4,6-Trichlorophenol	50		25.5	ug/L	51		2		46	139	20
2,4,5-Trichlorophenol	50		23.7	ug/L	47		2		42	129	20
1,1-Biphenyl	50		36.8	ug/L	74		7		38	154	20
2-Chloronaphthalene	50		35.7	ug/L	71		7		41	145	20
2-Nitroaniline	50		34	ug/L	68		1		39	151	20
Dimethylphthalate	50		33.6	ug/L	67		0		42	147	20
Acenaphthylene	50		37.6	ug/L	75		4		40	141	20
2,6-Dinitrotoluene	50		32.7	ug/L	65		2		43	148	20
3-Nitroaniline	50		16.6	ug/L	33		3		10	111	20
Acenaphthene	50		33.7	ug/L	67		2		37	146	20
Total PAH	800		532.7	ug/L	67		3		37	146	20
2,4-Dinitrophenol	100		32.1	ug/L	32		6		14	167	20
4-Nitrophenol	100		11	ug/L	11		17		10	130	20
Dibenzofuran	50		34.8	ug/L	70		4		41	145	20
2,4-Dinitrotoluene	50		31.5	ug/L	63		2		40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

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		64.2	ug/L	64		2		40	151	20
Diethylphthalate	50		32.4	ug/L	65		2		41	148	20
4-Chlorophenyl-phenylether	50		34.1	ug/L	68		6		38	149	20
Fluorene	50		34	ug/L	68		3		39	144	20
4-Nitroaniline	50		27.8	ug/L	56		4		27	138	20
4,6-Dinitro-2-methylphenol	50		20.8	ug/L	42		2		32	175	20
N-Nitrosodiphenylamine	50		37.6	ug/L	75		4		40	150	20
Azobenzene	50		32.3	ug/L	65	*	2		72	112	20
4-Bromophenyl-phenylether	50		36.2	ug/L	72		3		42	151	20
Hexachlorobenzene	50		36.1	ug/L	72		4		60	129	20
Atrazine	50		44.3	ug/L	89		1		20	162	20
Pentachlorophenol	100		38.9	ug/L	39		3		15	137	20
Phenanthrene	50		35.8	ug/L	72		4		40	147	20
Anthracene	50		35.1	ug/L	70		1		41	146	20
Carbazole	50		32.6	ug/L	65		2		37	154	20
Di-n-butylphthalate	50		35	ug/L	70		1		40	151	20
Fluoranthene	50		31.4	ug/L	63		5		42	146	20
Benzidine	100		29.3	ug/L	29		4		10	130	20
Pyrene	50		28	ug/L	56		12		41	149	20
Butylbenzylphthalate	50		32.3	ug/L	65		7		39	155	20
3,3-Dichlorobenzidine	50		22.2	ug/L	44		12		10	114	20
Benzo(a)anthracene	50		34.4	ug/L	69		4		41	147	20
Chrysene	50		33	ug/L	66		2		44	144	20
bis(2-Ethylhexyl)phthalate	50		35.3	ug/L	71		7		33	160	20
Di-n-octyl phthalate	50		41.2	ug/L	82		4		36	158	20
Benzo(b)fluoranthene	50		31.9	ug/L	64		3		40	150	20
Benzo(k)fluoranthene	50		29.4	ug/L	59		0		40	147	20
Benzo(a)pyrene	50		33	ug/L	66		2		42	147	20
Indeno(1,2,3-cd)pyrene	50		34.9	ug/L	70		6		30	166	20
Dibenz(a,h)anthracene	50		35.7	ug/L	71		6		23	172	20
Benzo(g,h,i)perylene	50		31.8	ug/L	64		6		27	167	20
1,2,4,5-Tetrachlorobenzene	50		39.1	ug/L	78	*	8		89	102	20
1,4-Dioxane	50		14.7	ug/L	29	*	11		38	130	20
2,3,4,6-Tetrachlorophenol	50		21.9	ug/L	44	*	9		91	111	20
1-Methylnaphthalene	50		31.2	ug/L	62		2		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
										High		
Lab Sample ID:	O5853-04MS	Client Sample ID:	EAST-WALLMS					DataFile:	BF136777.D			
n-Nitrosodimethylamine	1900		1400	ug/Kg	74				66	124		
Pyridine	1900		1300	ug/Kg	68				45	119		
Benzaldehyde	1900		580	ug/Kg	31				26	163		
Aniline	1900		1000	ug/Kg	53				10	88		
Phenol	1900		1400	ug/Kg	74				67	126		
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79				74	116		
2-Chlorophenol	1900		1500	ug/Kg	79				61	138		
1,2-Dichlorobenzene	1900		1400	ug/Kg	74				61	105		
1,3-Dichlorobenzene	1900		1400	ug/Kg	74				62	101		
1,4-Dichlorobenzene	1900		1400	ug/Kg	74				63	104		
Benzyl Alcohol	1900		1500	ug/Kg	79				47	126		
2-Methylphenol	1900		1400	ug/Kg	74				66	122		
2,2-oxybis(1-Chloropropane)	1900		1400	ug/Kg	74				52	115		
Acetophenone	1900		1500	ug/Kg	79				75	111		
3+4-Methylphenols	1900		1400	ug/Kg	74				53	132		
N-Nitroso-di-n-propylamine	1900		1500	ug/Kg	79				59	119		
Hexachloroethane	1900		1400	ug/Kg	74				65	117		
Nitrobenzene	1900		1400	ug/Kg	74				70	119		
Isophorone	1900		1500	ug/Kg	79				76	122		
2-Nitrophenol	1900		1400	ug/Kg	74				54	145		
2,4-Dimethylphenol	1900		1800	ug/Kg	95				83	144		
bis(2-Chloroethoxy)methane	1900		1500	ug/Kg	79				68	112		
2,4-Dichlorophenol	1900		1500	ug/Kg	79				72	118		
1,2,4-Trichlorobenzene	1900		1500	ug/Kg	79				57	103		
Benzoic acid	1900		800	ug/Kg	42	*			50	104		
Naphthalene	1900		1400	ug/Kg	74				72	110		
4-Chloroaniline	1900		570	ug/Kg	30				10	100		
Hexachlorobutadiene	1900		1400	ug/Kg	74				66	114		
Caprolactam	1900		1300	ug/Kg	68				51	134		
4-Chloro-3-methylphenol	1900		1400	ug/Kg	74				57	132		
2-Methylnaphthalene	1900		1400	ug/Kg	74				59	123		
Hexachlorocyclopentadiene	3700		1500	ug/Kg	41				10	175		
2,4,6-Trichlorophenol	1900		1500	ug/Kg	79				72	117		
2,4,5-Trichlorophenol	1900		1400	ug/Kg	74				72	117		
1,1-Biphenyl	1900		1600	ug/Kg	84				75	113		
2-Chloronaphthalene	1900		1500	ug/Kg	79				67	118		
2-Nitroaniline	1900		1600	ug/Kg	84				69	127		
Dimethylphthalate	1900		1600	ug/Kg	84				70	113		
Acenaphthylene	1900		1600	ug/Kg	84				79	118		
2,6-Dinitrotoluene	1900		1500	ug/Kg	79				70	125		
3-Nitroaniline	1900		1200	ug/Kg	63				20	111		
Acenaphthene	1900		1500	ug/Kg	79				70	121		
Total PAH	30400	2680	25400	ug/Kg	84				70	121		
2,4-Dinitrophenol	3700		480	ug/Kg	13	*			16	160		
4-Nitrophenol	3700		2300	ug/Kg	62				45	133		
Dibenzofuran	1900		1500	ug/Kg	79				72	110		
2,4-Dinitrotoluene	1900		1400	ug/Kg	74				55	128		

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

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	3800		2900	ug/Kg	76				55	128	
Diethylphthalate	1900		1500	ug/Kg	79				70	112	
4-Chlorophenyl-phenylether	1900		1500	ug/Kg	79				71	108	
Fluorene	1900		1500	ug/Kg	79				68	116	
4-Nitroaniline	1900		1300	ug/Kg	68				55	120	
4,6-Dinitro-2-methylphenol	1900		350	ug/Kg	18	*			32	145	
N-Nitrosodiphenylamine	1900		1800	ug/Kg	95				73	118	
Azobenzene	1900		1400	ug/Kg	74				73	110	
4-Bromophenyl-phenylether	1900		1700	ug/Kg	89				65	121	
Hexachlorobenzene	1900		1600	ug/Kg	84				67	118	
Atrazine	1900		2200	ug/Kg	116				79	127	
Pentachlorophenol	3700		2400	ug/Kg	65				47	128	
Phenanthrene	1900	400	1900	ug/Kg	79				72	113	
Anthracene	1900	0	1700	ug/Kg	84				62	124	
Carbazole	1900		1500	ug/Kg	79				59	119	
Di-n-butylphthalate	1900		1700	ug/Kg	89				69	118	
Fluoranthene	1900	540	1800	ug/Kg	66				59	125	
Benzidine	3700		920	ug/Kg	25				10	119	
Pyrene	1900	390	1600	ug/Kg	64				52	128	
Butylbenzylphthalate	1900		1600	ug/Kg	84				64	126	
3,3-Dichlorobenzidine	1900		1700	ug/Kg	89				10	164	
Benzo(a)anthracene	1900	310	1900	ug/Kg	84				71	114	
Chrysene	1900	260	1800	ug/Kg	81				57	121	
bis(2-Ethylhexyl)phthalate	1900		1700	ug/Kg	89				66	127	
Di-n-octyl phthalate	1900		2000	ug/Kg	105				71	126	
Benzo(b)fluoranthene	1900	320	1900	ug/Kg	83				67	121	
Benzo(k)fluoranthene	1900	100	1500	ug/Kg	74				74	114	
Benzo(a)pyrene	1900	260	1700	ug/Kg	76				70	142	
Indeno(1,2,3-cd)pyrene	1900	0	1300	ug/Kg	61				61	125	
Dibenz(a,h)anthracene	1900		1200	ug/Kg	63	*			67	130	
Benzo(g,h,i)perylene	1900	100	1100	ug/Kg	53				53	140	
1,2,4,5-Tetrachlorobenzene	1900		1600	ug/Kg	84				69	124	
1,4-Dioxane	1900		1300	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1900		1300	ug/Kg	68				56	133	
1-Methylnaphthalene	1900		1400	ug/Kg	74				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5853-04MSD	Client Sample ID:	EAST-WALLMSD					DataFile:	BF136778.D		
n-Nitrosodimethylamine	1900		1500	ug/Kg	79		7		66	124	20
Pyridine	1900		1400	ug/Kg	74		8		45	119	20
Benzaldehyde	1900		600	ug/Kg	32		3		26	163	20
Aniline	1900		1100	ug/Kg	58		9		10	88	20
Phenol	1900		1500	ug/Kg	79		7		67	126	20
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79		0		74	116	20
2-Chlorophenol	1900		1600	ug/Kg	84		6		61	138	20
1,2-Dichlorobenzene	1900		1500	ug/Kg	79		7		61	105	20
1,3-Dichlorobenzene	1900		1500	ug/Kg	79		7		62	101	20
1,4-Dichlorobenzene	1900		1500	ug/Kg	79		7		63	104	20
Benzyl Alcohol	1900		1600	ug/Kg	84		6		47	126	20
2-Methylphenol	1900		1500	ug/Kg	79		7		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1500	ug/Kg	79		7		52	115	20
Acetophenone	1900		1600	ug/Kg	84		6		75	111	20
3+4-Methylphenols	1900		1500	ug/Kg	79		7		53	132	20
N-Nitroso-di-n-propylamine	1900		1500	ug/Kg	79		0		59	119	20
Hexachloroethane	1900		1400	ug/Kg	74		0		65	117	20
Nitrobenzene	1900		1500	ug/Kg	79		7		70	119	20
Isophorone	1900		1500	ug/Kg	79		0		76	122	20
2-Nitrophenol	1900		1500	ug/Kg	79		7		54	145	20
2,4-Dimethylphenol	1900		1900	ug/Kg	100		5		83	144	20
bis(2-Chloroethoxy)methane	1900		1600	ug/Kg	84		6		68	112	20
2,4-Dichlorophenol	1900		1600	ug/Kg	84		6		72	118	20
1,2,4-Trichlorobenzene	1900		1500	ug/Kg	79		0		57	103	20
Benzoic acid	1900		990	ug/Kg	52		21	*	50	104	20
Naphthalene	1900		1500	ug/Kg	79		7		72	110	20
4-Chloroaniline	1900		650	ug/Kg	34		13		10	100	20
Hexachlorobutadiene	1900		1500	ug/Kg	79		7		66	114	20
Caprolactam	1900		1400	ug/Kg	74		8		51	134	20
4-Chloro-3-methylphenol	1900		1500	ug/Kg	79		7		57	132	20
2-Methylnaphthalene	1900		1500	ug/Kg	79		7		59	123	20
Hexachlorocyclopentadiene	3700		1700	ug/Kg	46		11		10	175	20
2,4,6-Trichlorophenol	1900		1600	ug/Kg	84		6		72	117	20
2,4,5-Trichlorophenol	1900		1500	ug/Kg	79		7		72	117	20
1,1-Biphenyl	1900		1700	ug/Kg	89		6		75	113	20
2-Chloronaphthalene	1900		1600	ug/Kg	84		6		67	118	20
2-Nitroaniline	1900		1600	ug/Kg	84		0		69	127	20
Dimethylphthalate	1900		1700	ug/Kg	89		6		70	113	20
Acenaphthylene	1900		1700	ug/Kg	89		6		79	118	20
2,6-Dinitrotoluene	1900		1600	ug/Kg	84		6		70	125	20
3-Nitroaniline	1900		1200	ug/Kg	63		0		20	111	20
Acenaphthene	1900		1600	ug/Kg	84		6		70	121	20
Total PAH	30400	2680	26700	ug/Kg	88		5		70	121	20
2,4-Dinitrophenol	3700		630	ug/Kg	17		27	*	16	160	20
4-Nitrophenol	3700		2500	ug/Kg	68		9		45	133	20
Dibenzofuran	1900		1600	ug/Kg	84		6		72	110	20
2,4-Dinitrotoluene	1900		1500	ug/Kg	79		7		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

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	3800		3100	ug/Kg	82		8		55	128	20
Diethylphthalate	1900		1600	ug/Kg	84		6		70	112	20
4-Chlorophenyl-phenylether	1900		1500	ug/Kg	79		0		71	108	20
Fluorene	1900		1500	ug/Kg	79		0		68	116	20
4-Nitroaniline	1900		1300	ug/Kg	68		0		55	120	20
4,6-Dinitro-2-methylphenol	1900		490	ug/Kg	26	*	36	*	32	145	20
N-Nitrosodiphenylamine	1900		1900	ug/Kg	100		5		73	118	20
Azobenzene	1900		1500	ug/Kg	79		7		73	110	20
4-Bromophenyl-phenylether	1900		1700	ug/Kg	89		0		65	121	20
Hexachlorobenzene	1900		1600	ug/Kg	84		0		67	118	20
Atrazine	1900		2200	ug/Kg	116		0		79	127	20
Pentachlorophenol	3700		2700	ug/Kg	73		12		47	128	20
Phenanthrene	1900	400	2000	ug/Kg	84		6		72	113	20
Anthracene	1900	0	1800	ug/Kg	89		6		62	124	20
Carbazole	1900		1600	ug/Kg	84		6		59	119	20
Di-n-butylphthalate	1900		1800	ug/Kg	95		7		69	118	20
Fluoranthene	1900	540	2000	ug/Kg	77		15		59	125	20
Benzidine	3700		1000	ug/Kg	27		8		10	119	20
Pyrene	1900	390	1700	ug/Kg	69		8		52	128	20
Butylbenzylphthalate	1900		1500	ug/Kg	79		6		64	126	20
3,3-Dichlorobenzidine	1900		1800	ug/Kg	95		7		10	164	20
Benzo(a)anthracene	1900	310	1900	ug/Kg	84		0		71	114	20
Chrysene	1900	260	1800	ug/Kg	81		0		57	121	20
bis(2-Ethylhexyl)phthalate	1900		1800	ug/Kg	95		7		66	127	20
Di-n-octyl phthalate	1900		2100	ug/Kg	111		6		71	126	20
Benzo(b)fluoranthene	1900	320	2000	ug/Kg	88		6		67	121	20
Benzo(k)fluoranthene	1900	100	1600	ug/Kg	79		7		74	114	20
Benzo(a)pyrene	1900	260	1800	ug/Kg	81		6		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1300	ug/Kg	61		0		61	125	20
Dibenz(a,h)anthracene	1900		1300	ug/Kg	68		8		67	130	20
Benzo(g,h,i)perylene	1900	100	1200	ug/Kg	58		9		53	140	20
1,2,4,5-Tetrachlorobenzene	1900		1800	ug/Kg	95		12		69	124	20
1,4-Dioxane	1900		1400	ug/Kg	74		8		46	112	20
2,3,4,6-Tetrachlorophenol	1900		1400	ug/Kg	74		8		56	133	20
1-Methylnaphthalene	1900		1500	ug/Kg	79		7		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	O5940-05MS	Client Sample ID:	PL-04-122023MS					DataFile:	BF136782.D		
n-Nitrosodimethylamine	1100		830	ug/Kg	75				66	124	
Pyridine	1100		710	ug/Kg	65				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		510	ug/Kg	46				10	88	
Phenol	1100		830	ug/Kg	75				67	126	
bis(2-Chloroethyl)ether	1100		890	ug/Kg	81				74	116	
2-Chlorophenol	1100		860	ug/Kg	78				61	138	
1,2-Dichlorobenzene	1100		850	ug/Kg	77				61	105	
1,3-Dichlorobenzene	1100		850	ug/Kg	77				62	101	
1,4-Dichlorobenzene	1100		870	ug/Kg	79				63	104	
Benzyl Alcohol	1100		850	ug/Kg	77				47	126	
2-Methylphenol	1100		830	ug/Kg	75				66	122	
2,2-oxybis(1-Chloropropane)	1100		860	ug/Kg	78				52	115	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		830	ug/Kg	75				53	132	
N-Nitroso-di-n-propylamine	1100		830	ug/Kg	75				59	119	
Hexachloroethane	1100		740	ug/Kg	67				65	117	
Nitrobenzene	1100		910	ug/Kg	83				70	119	
Isophorone	1100		910	ug/Kg	83				76	122	
2-Nitrophenol	1100		620	ug/Kg	56				54	145	
2,4-Dimethylphenol	1100		1100	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1100		940	ug/Kg	85				68	112	
2,4-Dichlorophenol	1100		790	ug/Kg	72				72	118	
1,2,4-Trichlorobenzene	1100		900	ug/Kg	82				57	103	
Benzoic acid	1100		0	ug/Kg	0	*			50	104	
Naphthalene	1100		970	ug/Kg	88				72	110	
4-Chloroaniline	1100		610	ug/Kg	55				10	100	
Hexachlorobutadiene	1100		900	ug/Kg	82				66	114	
Caprolactam	1100		750	ug/Kg	68				51	134	
4-Chloro-3-methylphenol	1100		750	ug/Kg	68				57	132	
2-Methylnaphthalene	1100		880	ug/Kg	80				59	123	
Hexachlorocyclopentadiene	2100		0	ug/Kg	0	*			10	175	
2,4,6-Trichlorophenol	1100		950	ug/Kg	86				72	117	
2,4,5-Trichlorophenol	1100		880	ug/Kg	80				72	117	
1,1-Biphenyl	1100		1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100		960	ug/Kg	87				67	118	
2-Nitroaniline	1100		930	ug/Kg	85				69	127	
Dimethylphthalate	1100		1000	ug/Kg	91				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		810	ug/Kg	74				70	125	
3-Nitroaniline	1100		880	ug/Kg	80				20	111	
Acenaphthene	1100		1000	ug/Kg	91				70	121	
Total PAH	17600	12710	24010	ug/Kg	136	*			70	121	
2,4-Dinitrophenol	2100			ug/Kg		*			16	160	
4-Nitrophenol	2100		1500	ug/Kg	71				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1580	ug/Kg	72				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1100		770	ug/Kg	70				55	128	
Diethylphthalate	1100		980	ug/Kg	89				70	112	
4-Chlorophenyl-phenylether	1100		940	ug/Kg	85				71	108	
Fluorene	1100	300	1200	ug/Kg	82				68	116	
4-Nitroaniline	1100		880	ug/Kg	80				55	120	
4,6-Dinitro-2-methylphenol	1100		0	ug/Kg	0	*			32	145	
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91				73	118	
Azobenzene	1100		860	ug/Kg	78				73	110	
4-Bromophenyl-phenylether	1100		910	ug/Kg	83				65	121	
Hexachlorobenzene	1100		840	ug/Kg	76				67	118	
Atrazine	1100		1200	ug/Kg	109				79	127	
Pentachlorophenol	2100		1400	ug/Kg	67				47	128	
Phenanthrene	1100	2000	2500	ug/Kg	45	*			72	113	
Anthracene	1100	570	1400	ug/Kg	75				62	124	
Carbazole	1100		1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100		1100	ug/Kg	100				69	118	
Fluoranthene	1100	3100	3300	ug/Kg	18	*			59	125	
Benzidine	2100		900	ug/Kg	43				10	119	
Pyrene	1100	1700	1900	ug/Kg	18	*			52	128	
Butylbenzylphthalate	1100		890	ug/Kg	81				64	126	
3,3-Dichlorobenzidine	1100		1000	ug/Kg	91				10	164	
Benzo(a)anthracene	1100	1000	1800	ug/Kg	73				71	114	
Chrysene	1100	840	1600	ug/Kg	69				57	121	
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100				66	127	
Di-n-octyl phthalate	1100		1200	ug/Kg	109				71	126	
Benzo(b)fluoranthene	1100	1100	1700	ug/Kg	55	*			67	121	
Benzo(k)fluoranthene	1100	350	1300	ug/Kg	86				74	114	
Benzo(a)pyrene	1100	910	1500	ug/Kg	54	*			70	142	
Indeno(1,2,3-cd)pyrene	1100	400	950	ug/Kg	50	*			61	125	
Dibenz(a,h)anthracene	1100		810	ug/Kg	74				67	130	
Benzo(g,h,i)perylene	1100	440	980	ug/Kg	49	*			53	140	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		830	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1100		910	ug/Kg	83				56	133	
1-Methylnaphthalene	1100		860	ug/Kg	78				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Lab Sample ID:	O5940-05MSD	Client Sample ID:	PL-04-122023MSD					DataFile:	BF136783.D		
n-Nitrosodimethylamine	1100		810	ug/Kg	74		1		66	124	20
Pyridine	1100		750	ug/Kg	68		5		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		520	ug/Kg	47		2		10	88	20
Phenol	1100		810	ug/Kg	74		1		67	126	20
bis(2-Chloroethyl)ether	1100		870	ug/Kg	79		3		74	116	20
2-Chlorophenol	1100		830	ug/Kg	75		4		61	138	20
1,2-Dichlorobenzene	1100		860	ug/Kg	78		1		61	105	20
1,3-Dichlorobenzene	1100		850	ug/Kg	77		0		62	101	20
1,4-Dichlorobenzene	1100		870	ug/Kg	79		0		63	104	20
Benzyl Alcohol	1100		800	ug/Kg	73		5		47	126	20
2-Methylphenol	1100		780	ug/Kg	71		5		66	122	20
2,2-oxybis(1-Chloropropane)	1100		840	ug/Kg	76		3		52	115	20
Acetophenone	1100		1000	ug/Kg	91		0		75	111	20
3+4-Methylphenols	1100		810	ug/Kg	74		1		53	132	20
N-Nitroso-di-n-propylamine	1100		790	ug/Kg	72		4		59	119	20
Hexachloroethane	1100		700	ug/Kg	64	*	5		65	117	20
Nitrobenzene	1100		880	ug/Kg	80		4		70	119	20
Isophorone	1100		880	ug/Kg	80		4		76	122	20
2-Nitrophenol	1100		580	ug/Kg	53	*	6		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		0		83	144	20
bis(2-Chloroethoxy)methane	1100		930	ug/Kg	85		0		68	112	20
2,4-Dichlorophenol	1100		800	ug/Kg	73		1		72	118	20
1,2,4-Trichlorobenzene	1100		910	ug/Kg	83		1		57	103	20
Benzoic acid	1100		0	ug/Kg	0	*			50	104	20
Naphthalene	1100		920	ug/Kg	84		5		72	110	20
4-Chloroaniline	1100		580	ug/Kg	53		4		10	100	20
Hexachlorobutadiene	1100		950	ug/Kg	86		5		66	114	20
Caprolactam	1100		780	ug/Kg	71		4		51	134	20
4-Chloro-3-methylphenol	1100		730	ug/Kg	66		3		57	132	20
2-Methylnaphthalene	1100		870	ug/Kg	79		1		59	123	20
Hexachlorocyclopentadiene	2100		0	ug/Kg	0	*			10	175	20
2,4,6-Trichlorophenol	1100		900	ug/Kg	82		5		72	117	20
2,4,5-Trichlorophenol	1100		900	ug/Kg	82		2		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		9		75	113	20
2-Chloronaphthalene	1100		940	ug/Kg	85		2		67	118	20
2-Nitroaniline	1100		1000	ug/Kg	91		7		69	127	20
Dimethylphthalate	1100		960	ug/Kg	87		4		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1100		790	ug/Kg	72		3		70	125	20
3-Nitroaniline	1100		890	ug/Kg	81		1		20	111	20
Acenaphthene	1100		1000	ug/Kg	91		0		70	121	20
Total PAH	17600	12710	23980	ug/Kg	136	*	0		70	121	20
2,4-Dinitrophenol	2100			ug/Kg		*			16	160	20
4-Nitrophenol	2100		1500	ug/Kg	71		0		45	133	20
Dibenzofuran	1100		1000	ug/Kg	91		0		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1520	ug/Kg	69		4		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene	1100		730	ug/Kg	66		6		55	128	20
Diethylphthalate	1100		980	ug/Kg	89		0		70	112	20
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86		1		71	108	20
Fluorene	1100	300	1200	ug/Kg	82		0		68	116	20
4-Nitroaniline	1100		950	ug/Kg	86		7		55	120	20
4,6-Dinitro-2-methylphenol	1100		0	ug/Kg	0	*			32	145	20
N-Nitrosodiphenylamine	1100		960	ug/Kg	87		4		73	118	20
Azobenzene	1100		900	ug/Kg	82		5		73	110	20
4-Bromophenyl-phenylether	1100		910	ug/Kg	83		0		65	121	20
Hexachlorobenzene	1100		840	ug/Kg	76		0		67	118	20
Atrazine	1100		1200	ug/Kg	109		0		79	127	20
Pentachlorophenol	2100		1500	ug/Kg	71		6		47	128	20
Phenanthrene	1100	2000	2400	ug/Kg	36	*	22	*	72	113	20
Anthracene	1100	570	1400	ug/Kg	75		0		62	124	20
Carbazole	1100		1100	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1100		1000	ug/Kg	91		9		69	118	20
Fluoranthene	1100	3100	3300	ug/Kg	18	*	0		59	125	20
Benzidine	2100		920	ug/Kg	44		2		10	119	20
Pyrene	1100	1700	2000	ug/Kg	27	*	40	*	52	128	20
Butylbenzylphthalate	1100		930	ug/Kg	85		5		64	126	20
3,3-Dichlorobenzidine	1100		1000	ug/Kg	91		0		10	164	20
Benzo(a)anthracene	1100	1000	1700	ug/Kg	64	*	13		71	114	20
Chrysene	1100	840	1500	ug/Kg	60		14		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100		0		66	127	20
Di-n-octyl phthalate	1100		1200	ug/Kg	109		0		71	126	20
Benzo(b)fluoranthene	1100	1100	1700	ug/Kg	55	*	0		67	121	20
Benzo(k)fluoranthene	1100	350	1300	ug/Kg	86		0		74	114	20
Benzo(a)pyrene	1100	910	1500	ug/Kg	54	*	0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	400	1100	ug/Kg	64		25	*	61	125	20
Dibenz(a,h)anthracene	1100		860	ug/Kg	78		5		67	130	20
Benzo(g,h,i)perylene	1100	440	1000	ug/Kg	51	*	4		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		0		69	124	20
1,4-Dioxane	1100		930	ug/Kg	85		13		46	112	20
2,3,4,6-Tetrachlorophenol	1100		960	ug/Kg	87		5		56	133	20
1-Methylnaphthalene	1100		830	ug/Kg	75		4		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Lab Sample ID:	O5796-05MS	Client Sample ID:	RT-SB-04-13-14MS					DataFile:	BF136765.D		
n-Nitrosodimethylamine	1900		1500	ug/Kg	79				66	124	
Pyridine	1900		1300	ug/Kg	68				45	119	
Benzaldehyde	1900		750	ug/Kg	39				26	163	
Aniline	1900		720	ug/Kg	38				10	88	
Phenol	1900		1400	ug/Kg	74				67	126	
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79				74	116	
2-Chlorophenol	1900		1500	ug/Kg	79				61	138	
1,2-Dichlorobenzene	1900		1500	ug/Kg	79				61	105	
1,3-Dichlorobenzene	1900		1500	ug/Kg	79				62	101	
1,4-Dichlorobenzene	1900		1400	ug/Kg	74				63	104	
Benzyl Alcohol	1900		1600	ug/Kg	84				47	126	
2-Methylphenol	1900		1400	ug/Kg	74				66	122	
2,2-oxybis(1-Chloropropane)	1900		1500	ug/Kg	79				52	115	
Acetophenone	1900		1700	ug/Kg	89				75	111	
3+4-Methylphenols	1900		1400	ug/Kg	74				53	132	
N-Nitroso-di-n-propylamine	1900		1500	ug/Kg	79				59	119	
Hexachloroethane	1900		1400	ug/Kg	74				65	117	
Nitrobenzene	1900		1500	ug/Kg	79				70	119	
Isophorone	1900		1500	ug/Kg	79				76	122	
2-Nitrophenol	1900		1600	ug/Kg	84				54	145	
2,4-Dimethylphenol	1900		1200	ug/Kg	63	*			83	144	
bis(2-Chloroethoxy)methane	1900		1600	ug/Kg	84				68	112	
2,4-Dichlorophenol	1900		1600	ug/Kg	84				72	118	
1,2,4-Trichlorobenzene	1900		1500	ug/Kg	79				57	103	
Benzoic acid	1900		1600	ug/Kg	84				50	104	
Naphthalene	1900		1500	ug/Kg	79				72	110	
4-Chloroaniline	1900		380	ug/Kg	20				10	100	
Hexachlorobutadiene	1900		1500	ug/Kg	79				66	114	
Caprolactam	1900		1600	ug/Kg	84				51	134	
4-Chloro-3-methylphenol	1900		1500	ug/Kg	79				57	132	
2-Methylnaphthalene	1900		1400	ug/Kg	74				59	123	
Hexachlorocyclopentadiene	3800		3800	ug/Kg	100				10	175	
2,4,6-Trichlorophenol	1900		1800	ug/Kg	95				72	117	
2,4,5-Trichlorophenol	1900		1700	ug/Kg	89				72	117	
1,1-Biphenyl	1900		1800	ug/Kg	95				75	113	
2-Chloronaphthalene	1900		1600	ug/Kg	84				67	118	
2-Nitroaniline	1900		1700	ug/Kg	89				69	127	
Dimethylphthalate	1900		1700	ug/Kg	89				70	113	
Acenaphthylene	1900		1700	ug/Kg	89				79	118	
2,6-Dinitrotoluene	1900		1600	ug/Kg	84				70	125	
3-Nitroaniline	1900		1300	ug/Kg	68				20	111	
Acenaphthene	1900		1500	ug/Kg	79				70	121	
Total PAH	30400	0	24900	ug/Kg	82				70	121	
2,4-Dinitrophenol	3800		2700	ug/Kg	71				16	160	
4-Nitrophenol	3800		3000	ug/Kg	79				45	133	
Dibenzofuran	1900		1500	ug/Kg	79				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3100	ug/Kg	82				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1900		1500	ug/Kg	79				55	128	
Diethylphthalate	1900		1600	ug/Kg	84				70	112	
4-Chlorophenyl-phenylether	1900		1500	ug/Kg	79				71	108	
Fluorene	1900		1400	ug/Kg	74				68	116	
4-Nitroaniline	1900		1200	ug/Kg	63				55	120	
4,6-Dinitro-2-methylphenol	1900		1800	ug/Kg	95				32	145	
N-Nitrosodiphenylamine	1900		1900	ug/Kg	100				73	118	
Azobenzene	1900		1400	ug/Kg	74				73	110	
4-Bromophenyl-phenylether	1900		1700	ug/Kg	89				65	121	
Hexachlorobenzene	1900		1600	ug/Kg	84				67	118	
Atrazine	1900		2200	ug/Kg	116				79	127	
Pentachlorophenol	3800		3300	ug/Kg	87				47	128	
Phenanthrene	1900		1700	ug/Kg	89				72	113	
Anthracene	1900		1600	ug/Kg	84				62	124	
Carbazole	1900		1600	ug/Kg	84				59	119	
Di-n-butylphthalate	1900		1700	ug/Kg	89				69	118	
Fluoranthene	1900		1500	ug/Kg	79				59	125	
Benzidine	3800		0	ug/Kg	0	*			10	119	
Pyrene	1900	94.8	1600	ug/Kg	79				52	128	
Butylbenzylphthalate	1900		1600	ug/Kg	84				64	126	
3,3-Dichlorobenzidine	1900		1400	ug/Kg	74				10	164	
Benzo(a)anthracene	1900	360	1900	ug/Kg	81				71	114	
Chrysene	1900	460	1900	ug/Kg	76				57	121	
bis(2-Ethylhexyl)phthalate	1900		1700	ug/Kg	89				66	127	
Di-n-octyl phthalate	1900		2000	ug/Kg	105				71	126	
Benzo(b)fluoranthene	1900	100	1600	ug/Kg	79				67	121	
Benzo(k)fluoranthene	1900		1400	ug/Kg	74				74	114	
Benzo(a)pyrene	1900		1600	ug/Kg	84				70	142	
Indeno(1,2,3-cd)pyrene	1900		1400	ug/Kg	74				61	125	
Dibenz(a,h)anthracene	1900		1400	ug/Kg	74				67	130	
Benzo(g,h,i)perylene	1900		1200	ug/Kg	63				53	140	
1,2,4,5-Tetrachlorobenzene	1900		1800	ug/Kg	95				69	124	
1,4-Dioxane	1900		1400	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1900		1600	ug/Kg	84				56	133	
1-Methylnaphthalene	1900		1400	ug/Kg	74				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Lab Sample ID:	O5796-06MSD	Client Sample ID:	RT-SB-04-13-14MSD					DataFile:	BF136766.D		
n-Nitrosodimethylamine	1900		1500	ug/Kg	79		0		66	124	20
Pyridine	1900		1300	ug/Kg	68		0		45	119	20
Benzaldehyde	1900		760	ug/Kg	40		3		26	163	20
Aniline	1900		700	ug/Kg	37		3		10	88	20
Phenol	1900		1500	ug/Kg	79		7		67	126	20
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79		0		74	116	20
2-Chlorophenol	1900		1500	ug/Kg	79		0		61	138	20
1,2-Dichlorobenzene	1900		1500	ug/Kg	79		0		61	105	20
1,3-Dichlorobenzene	1900		1500	ug/Kg	79		0		62	101	20
1,4-Dichlorobenzene	1900		1400	ug/Kg	74		0		63	104	20
Benzyl Alcohol	1900		1600	ug/Kg	84		0		47	126	20
2-Methylphenol	1900		1400	ug/Kg	74		0		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1500	ug/Kg	79		0		52	115	20
Acetophenone	1900		1600	ug/Kg	84		6		75	111	20
3+4-Methylphenols	1900		1400	ug/Kg	74		0		53	132	20
N-Nitroso-di-n-propylamine	1900		1500	ug/Kg	79		0		59	119	20
Hexachloroethane	1900		1400	ug/Kg	74		0		65	117	20
Nitrobenzene	1900		1500	ug/Kg	79		0		70	119	20
Isophorone	1900		1500	ug/Kg	79		0		76	122	20
2-Nitrophenol	1900		1600	ug/Kg	84		0		54	145	20
2,4-Dimethylphenol	1900		1100	ug/Kg	58	*	8		83	144	20
bis(2-Chloroethoxy)methane	1900		1600	ug/Kg	84		0		68	112	20
2,4-Dichlorophenol	1900		1600	ug/Kg	84		0		72	118	20
1,2,4-Trichlorobenzene	1900		1500	ug/Kg	79		0		57	103	20
Benzoic acid	1900		1600	ug/Kg	84		0		50	104	20
Naphthalene	1900		1500	ug/Kg	79		0		72	110	20
4-Chloroaniline	1900		370	ug/Kg	19		5		10	100	20
Hexachlorobutadiene	1900		1500	ug/Kg	79		0		66	114	20
Caprolactam	1900		1600	ug/Kg	84		0		51	134	20
4-Chloro-3-methylphenol	1900		1500	ug/Kg	79		0		57	132	20
2-Methylnaphthalene	1900		1400	ug/Kg	74		0		59	123	20
Hexachlorocyclopentadiene	3800		3400	ug/Kg	89		12		10	175	20
2,4,6-Trichlorophenol	1900		1700	ug/Kg	89		7		72	117	20
2,4,5-Trichlorophenol	1900		1600	ug/Kg	84		6		72	117	20
1,1-Biphenyl	1900		1700	ug/Kg	89		7		75	113	20
2-Chloronaphthalene	1900		1600	ug/Kg	84		0		67	118	20
2-Nitroaniline	1900		1700	ug/Kg	89		0		69	127	20
Dimethylphthalate	1900		1700	ug/Kg	89		0		70	113	20
Acenaphthylene	1900		1600	ug/Kg	84		6		79	118	20
2,6-Dinitrotoluene	1900		1600	ug/Kg	84		0		70	125	20
3-Nitroaniline	1900		1200	ug/Kg	63		8		20	111	20
Acenaphthene	1900		1500	ug/Kg	79		0		70	121	20
Total PAH	30400	0	24700	ug/Kg	81		1		70	121	20
2,4-Dinitrophenol	3800		2600	ug/Kg	68		4		16	160	20
4-Nitrophenol	3800		3000	ug/Kg	79		0		45	133	20
Dibenzofuran	1900		1500	ug/Kg	79		0		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3100	ug/Kg	82		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1900		1500	ug/Kg	79		0		55	128	20
Diethylphthalate	1900		1600	ug/Kg	84		0		70	112	20
4-Chlorophenyl-phenylether	1900		1400	ug/Kg	74		7		71	108	20
Fluorene	1900		1400	ug/Kg	74		0		68	116	20
4-Nitroaniline	1900		1200	ug/Kg	63		0		55	120	20
4,6-Dinitro-2-methylphenol	1900		1700	ug/Kg	89		7		32	145	20
N-Nitrosodiphenylamine	1900		1900	ug/Kg	100		0		73	118	20
Azobenzene	1900		1400	ug/Kg	74		0		73	110	20
4-Bromophenyl-phenylether	1900		1700	ug/Kg	89		0		65	121	20
Hexachlorobenzene	1900		1600	ug/Kg	84		0		67	118	20
Atrazine	1900		2300	ug/Kg	121		4		79	127	20
Pentachlorophenol	3800		3300	ug/Kg	87		0		47	128	20
Phenanthrene	1900		1600	ug/Kg	84		6		72	113	20
Anthracene	1900		1600	ug/Kg	84		0		62	124	20
Carbazole	1900		1600	ug/Kg	84		0		59	119	20
Di-n-butylphthalate	1900		1600	ug/Kg	84		6		69	118	20
Fluoranthene	1900		1500	ug/Kg	79		0		59	125	20
Benzidine	3800		0	ug/Kg	0	*			10	119	20
Pyrene	1900	94.8	1500	ug/Kg	74		7		52	128	20
Butylbenzylphthalate	1900		1700	ug/Kg	89		6		64	126	20
3,3-Dichlorobenzidine	1900		1400	ug/Kg	74		0		10	164	20
Benzo(a)anthracene	1900	360	1900	ug/Kg	81		0		71	114	20
Chrysene	1900	460	1900	ug/Kg	76		0		57	121	20
bis(2-Ethylhexyl)phthalate	1900		1700	ug/Kg	89		0		66	127	20
Di-n-octyl phthalate	1900		2000	ug/Kg	105		0		71	126	20
Benzo(b)fluoranthene	1900	100	1600	ug/Kg	79		0		67	121	20
Benzo(k)fluoranthene	1900		1500	ug/Kg	79		7		74	114	20
Benzo(a)pyrene	1900		1600	ug/Kg	84		0		70	142	20
Indeno(1,2,3-cd)pyrene	1900		1400	ug/Kg	74		0		61	125	20
Dibenz(a,h)anthracene	1900		1400	ug/Kg	74		0		67	130	20
Benzo(g,h,i)perylene	1900		1200	ug/Kg	63		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1900		1800	ug/Kg	95		0		69	124	20
1,4-Dioxane	1900		1400	ug/Kg	74		0		46	112	20
2,3,4,6-Tetrachlorophenol	1900		1600	ug/Kg	84		0		56	133	20
1-Methylnaphthalene	1900		1400	ug/Kg	74		0		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	O5862-13MS	Client Sample ID:	WC-LIQUIDS-20231213-01MS				DataFile:	BF136769.D			
n-Nitrosodimethylamine	500		400	ug/L	80				10	130	
Pyridine	500		270	ug/L	54				10	109	
Benzaldehyde	500		210	ug/L	42				10	137	
Aniline	500		230	ug/L	46				10	130	
Phenol	500		370	ug/L	74				10	130	
bis(2-Chloroethyl)ether	500		410	ug/L	82				29	141	
2-Chlorophenol	500		430	ug/L	86				23	127	
1,2-Dichlorobenzene	500		390	ug/L	78				61	114	
1,3-Dichlorobenzene	500		390	ug/L	78				65	106	
1,4-Dichlorobenzene	500		390	ug/L	78				55	125	
Benzyl Alcohol	500		460	ug/L	92				31	94	
2-Methylphenol	500		410	ug/L	82				23	132	
2,2-oxybis(1-Chloropropane)	500		410	ug/L	82				36	141	
Acetophenone	500		440	ug/L	88				31	164	
3+4-Methylphenols	500		400	ug/L	80				17	136	
N-Nitroso-di-n-propylamine	500		420	ug/L	84				36	147	
Hexachloroethane	500		390	ug/L	78				35	137	
Nitrobenzene	500		400	ug/L	80				40	134	
Isophorone	500		430	ug/L	86				39	146	
2-Nitrophenol	500		430	ug/L	86				30	148	
2,4-Dimethylphenol	500		520	ug/L	104				17	143	
bis(2-Chloroethoxy)methane	500		430	ug/L	86				39	143	
2,4-Dichlorophenol	500		430	ug/L	86				22	146	
1,2,4-Trichlorobenzene	500		410	ug/L	82				66	110	
Benzoic acid	500		250	ug/L	50				10	101	
Naphthalene	500	1100	1600	ug/L	100				17	157	
4-Chloroaniline	500		49.8	ug/L	10				10	95	
Hexachlorobutadiene	500		390	ug/L	78				52	125	
Caprolactam	500		390	ug/L	78				10	130	
4-Chloro-3-methylphenol	500		430	ug/L	86				17	148	
2-Methylnaphthalene	500	190	600	ug/L	82				38	146	
Hexachlorocyclopentadiene	1000		710	ug/L	71				20	153	
2,4,6-Trichlorophenol	500		450	ug/L	90				46	139	
2,4,5-Trichlorophenol	500		430	ug/L	86				42	129	
1,1-Biphenyl	500		470	ug/L	94				38	154	
2-Chloronaphthalene	500		430	ug/L	86				41	145	
2-Nitroaniline	500		450	ug/L	90				39	151	
Dimethylphthalate	500		460	ug/L	92				42	147	
Acenaphthylene	500		480	ug/L	96				40	141	
2,6-Dinitrotoluene	500		430	ug/L	86				43	148	
3-Nitroaniline	500		240	ug/L	48				10	111	
Acenaphthene	500	25.4	460	ug/L	87				37	146	
Total PAH	8000	1147.3	8130	ug/L	87				37	146	
2,4-Dinitrophenol	1000		510	ug/L	51				14	167	
4-Nitrophenol	1000		740	ug/L	74				10	130	
Dibenzofuran	500		440	ug/L	88				41	145	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		860	ug/L	86				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	500		430	ug/L	86				40	151	
Diethylphthalate	500		450	ug/L	90				41	148	
4-Chlorophenyl-phenylether	500		430	ug/L	86				38	149	
Fluorene	500		460	ug/L	92				39	144	
4-Nitroaniline	500		400	ug/L	80				27	138	
4,6-Dinitro-2-methylphenol	500		370	ug/L	74				32	175	
N-Nitrosodiphenylamine	500		480	ug/L	96				40	150	
Azobenzene	500		440	ug/L	88				72	112	
4-Bromophenyl-phenylether	500		460	ug/L	92				42	151	
Hexachlorobenzene	500		450	ug/L	90				60	129	
Atrazine	500		600	ug/L	120				20	162	
Pentachlorophenol	1000		830	ug/L	83				15	137	
Phenanthrene	500	21.9	480	ug/L	92				40	147	
Anthracene	500		460	ug/L	92				41	146	
Carbazole	500		430	ug/L	86				37	154	
Di-n-butylphthalate	500		490	ug/L	98				40	151	
Fluoranthene	500		400	ug/L	80				42	146	
Benzidine	1000		230	ug/L	23				10	130	
Pyrene	500		420	ug/L	84				41	149	
Butylbenzylphthalate	500		500	ug/L	100				39	155	
3,3-Dichlorobenzidine	500		230	ug/L	46				10	114	
Benzo(a)anthracene	500		450	ug/L	90				41	147	
Chrysene	500		440	ug/L	88				44	144	
bis(2-Ethylhexyl)phthalate	500		550	ug/L	110				33	160	
Di-n-octyl phthalate	500		590	ug/L	118				36	158	
Benzo(b)fluoranthene	500		420	ug/L	84				40	150	
Benzo(k)fluoranthene	500		400	ug/L	80				40	147	
Benzo(a)pyrene	500		430	ug/L	86				42	147	
Indeno(1,2,3-cd)pyrene	500		420	ug/L	84				30	166	
Dibenz(a,h)anthracene	500		430	ug/L	86				23	172	
Benzo(g,h,i)perylene	500		380	ug/L	76				27	167	
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92				89	102	
1,4-Dioxane	500		360	ug/L	72				38	130	
2,3,4,6-Tetrachlorophenol	500		460	ug/L	92				91	111	
1-Methylnaphthalene	500	140	550	ug/L	82				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	O5862-13MSD	Client Sample ID:	WC-LIQUIDS-20231213-01MSD				DataFile:	BF136770.D			
n-Nitrosodimethylamine	500		370	ug/L	74	8			10	130	20
Pyridine	500		250	ug/L	50	8			10	109	20
Benzaldehyde	500		190	ug/L	38	10			10	137	20
Aniline	500		220	ug/L	44	4			10	130	20
Phenol	500		340	ug/L	68	8			10	130	20
bis(2-Chloroethyl)ether	500		380	ug/L	76	8			29	141	20
2-Chlorophenol	500		390	ug/L	78	10			23	127	20
1,2-Dichlorobenzene	500		360	ug/L	72	8			61	114	20
1,3-Dichlorobenzene	500		360	ug/L	72	8			65	106	20
1,4-Dichlorobenzene	500		360	ug/L	72	8			55	125	20
Benzyl Alcohol	500		430	ug/L	86	7			31	94	20
2-Methylphenol	500		380	ug/L	76	8			23	132	20
2,2-oxybis(1-Chloropropane)	500		380	ug/L	76	8			36	141	20
Acetophenone	500		410	ug/L	82	7			31	164	20
3+4-Methylphenols	500		380	ug/L	76	5			17	136	20
N-Nitroso-di-n-propylamine	500		390	ug/L	78	7			36	147	20
Hexachloroethane	500		360	ug/L	72	8			35	137	20
Nitrobenzene	500		380	ug/L	76	5			40	134	20
Isophorone	500		400	ug/L	80	7			39	146	20
2-Nitrophenol	500		400	ug/L	80	7			30	148	20
2,4-Dimethylphenol	500		490	ug/L	98	6			17	143	20
bis(2-Chloroethoxy)methane	500		400	ug/L	80	7			39	143	20
2,4-Dichlorophenol	500		410	ug/L	82	5			22	146	20
1,2,4-Trichlorobenzene	500		390	ug/L	78	5			66	110	20
Benzoic acid	500		230	ug/L	46	8			10	101	20
Naphthalene	500	1100	1500	ug/L	80	22		*	17	157	20
4-Chloroaniline	500		52.8	ug/L	11	10			10	95	20
Hexachlorobutadiene	500		360	ug/L	72	8			52	125	20
Caprolactam	500		380	ug/L	76	3			10	130	20
4-Chloro-3-methylphenol	500		400	ug/L	80	7			17	148	20
2-Methylnaphthalene	500	190	570	ug/L	76	8			38	146	20
Hexachlorocyclopentadiene	1000		630	ug/L	63	12			20	153	20
2,4,6-Trichlorophenol	500		410	ug/L	82	9			46	139	20
2,4,5-Trichlorophenol	500		390	ug/L	78	10			42	129	20
1,1-Biphenyl	500		420	ug/L	84	11			38	154	20
2-Chloronaphthalene	500		390	ug/L	78	10			41	145	20
2-Nitroaniline	500		420	ug/L	84	7			39	151	20
Dimethylphthalate	500		420	ug/L	84	9			42	147	20
Acenaphthylene	500		440	ug/L	88	9			40	141	20
2,6-Dinitrotoluene	500		410	ug/L	82	5			43	148	20
3-Nitroaniline	500		230	ug/L	46	4			10	111	20
Acenaphthene	500	25.4	420	ug/L	79	10			37	146	20
Total PAH	8000	1147.3	7540	ug/L	80	8			37	146	20
2,4-Dinitrophenol	1000		440	ug/L	44	15			14	167	20
4-Nitrophenol	1000		710	ug/L	71	4			10	130	20
Dibenzofuran	500		400	ug/L	80	10			41	145	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		810	ug/L	81	6			40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	500	21.9	400	ug/L	80		7		40	151	20
Diethylphthalate	500		420	ug/L	84		7		41	148	20
4-Chlorophenyl-phenylether	500		400	ug/L	80		7		38	149	20
Fluorene	500		420	ug/L	84		9		39	144	20
4-Nitroaniline	500		380	ug/L	76		5		27	138	20
4,6-Dinitro-2-methylphenol	500		340	ug/L	68		8		32	175	20
N-Nitrosodiphenylamine	500		430	ug/L	86		11		40	150	20
Azobenzene	500		410	ug/L	82		7		72	112	20
4-Bromophenyl-phenylether	500		420	ug/L	84		9		42	151	20
Hexachlorobenzene	500		410	ug/L	82		9		60	129	20
Atrazine	500		550	ug/L	110		9		20	162	20
Pentachlorophenol	1000		760	ug/L	76		9		15	137	20
Phenanthrene	500		440	ug/L	84		9		40	147	20
Anthracene	500		430	ug/L	86		7		41	146	20
Carbazole	500		400	ug/L	80		7		37	154	20
Di-n-butylphthalate	500		450	ug/L	90		9		40	151	20
Fluoranthene	500		370	ug/L	74		8		42	146	20
Benzidine	1000		220	ug/L	22		4		10	130	20
Pyrene	500		420	ug/L	84		0		41	149	20
Butylbenzylphthalate	500		490	ug/L	98		2		39	155	20
3,3-Dichlorobenzidine	500		220	ug/L	44		4		10	114	20
Benzo(a)anthracene	500		410	ug/L	82		9		41	147	20
Chrysene	500		410	ug/L	82		7		44	144	20
bis(2-Ethylhexyl)phthalate	500		540	ug/L	108		2		33	160	20
Di-n-octyl phthalate	500		550	ug/L	110		7		36	158	20
Benzo(b)fluoranthene	500		400	ug/L	80		5		40	150	20
Benzo(k)fluoranthene	500		370	ug/L	74		8		40	147	20
Benzo(a)pyrene	500		400	ug/L	80		7		42	147	20
Indeno(1,2,3-cd)pyrene	500		380	ug/L	76		10		30	166	20
Dibenz(a,h)anthracene	500		390	ug/L	78		10		23	172	20
Benzo(g,h,i)perylene	500		340	ug/L	68		11		27	167	20
1,2,4,5-Tetrachlorobenzene	500		420	ug/L	84	*	9		89	102	20
1,4-Dioxane	500		330	ug/L	66		9		38	130	20
2,3,4,6-Tetrachlorophenol	500		430	ug/L	86	*	7		91	111	20
1-Methylnaphthalene	500	140	520	ug/L	76		8		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF122723**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5791-03RE	597-P-2RE	BF136767.D	2-Fluorophenol	150	82.42	55		18	112
			Phenol-d6	150	79.58	53		15	107
			Nitrobenzene-d5	100	53.99	54		18	107
			2-Fluorobiphenyl	100	56.05	56		20	109
			2,4,6-Tribromophenol	150	75.50	50		10	110
			Terphenyl-d14	100	50.63	51		14	112
O5796-01	RT-SB-04-10-11	BF136759.D	2-Fluorophenol	150	69.27	46		18	112
			Phenol-d6	150	68.48	46		15	107
			Nitrobenzene-d5	100	50.47	50		18	107
			2-Fluorobiphenyl	100	54.56	55		20	109
			2,4,6-Tribromophenol	150	52.89	35		10	110
			Terphenyl-d14	100	41.31	41		14	112
O5796-03RE	RT-SB-04-12-13RE	BF136758.D	2-Fluorophenol	150	1.55	1	*	18	112
			Phenol-d6	150	46.49	31		15	107
			Nitrobenzene-d5	100	56.62	57		18	107
			2-Fluorobiphenyl	100	62.33	62		20	109
			2,4,6-Tribromophenol	150	0.00	0	*	10	110
			Terphenyl-d14	100	45.70	46		14	112
O5796-05MS	RT-SB-04-13-14MS	BF136765.D	2-Fluorophenol	150	84.17	56		18	112
			Phenol-d6	150	83.12	55		15	107
			Nitrobenzene-d5	100	61.28	61		18	107
			2-Fluorobiphenyl	100	68.42	68		20	109
			2,4,6-Tribromophenol	150	79.40	53		10	110
			Terphenyl-d14	100	59.91	60		14	112
O5796-06MSD	RT-SB-04-13-14MS	BF136766.D	2-Fluorophenol	150	84.90	57		18	112
			Phenol-d6	150	83.26	56		15	107
			Nitrobenzene-d5	100	60.95	61		18	107
			2-Fluorobiphenyl	100	67.62	68		20	109
			2,4,6-Tribromophenol	150	80.15	53		10	110
			Terphenyl-d14	100	58.74	59		14	112



Surrogate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5791-11RE	MW-1B-EE-NNRE	BF136754.D	2-Fluorophenol	150	69.59	46		10	139
			Phenol-d6	150	43.34	29		10	134
			Nitrobenzene-d5	100	45.71	46	*	49	133
			2-Fluorobiphenyl	100	49.56	50	*	52	132
			2,4,6-Tribromophenol	150	118.71	79		32	145
			Terphenyl-d14	100	36.47	36		36	145



Surrogate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5827-03	RT-SB-07-10-11	BF136771.D	2-Fluorophenol	150	74.35	50		18	112
			Phenol-d6	150	73.42	49		15	107
			Nitrobenzene-d5	100	53.70	54		18	107
			2-Fluorobiphenyl	100	57.21	57		20	109
			2,4,6-Tribromophenol	150	52.16	35		10	110
			Terphenyl-d14	100	45.05	45		14	112
O5827-09	RT-SB-09-10.5-11.5	BF136772.D	2-Fluorophenol	150	88.25	59		18	112
			Phenol-d6	150	89.69	60		15	107
			Nitrobenzene-d5	100	62.87	63		18	107
			2-Fluorobiphenyl	100	62.37	62		20	109
			2,4,6-Tribromophenol	150	55.39	37		10	110
			Terphenyl-d14	100	52.22	52		14	112



Surrogate Summary
SW-846

SDG No.: BF122723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5853-04	EAST-WALL	BF136776.D	2-Fluorophenol	150	75.49	50		18	112
			Phenol-d6	150	72.71	48		15	107
			Nitrobenzene-d5	100	50.85	51		18	107
			2-Fluorobiphenyl	100	56.60	57		20	109
			2,4,6-Tribromophenol	150	61.50	41		10	110
			Terphenyl-d14	100	42.32	42		14	112
O5853-04MS	EAST-WALLMS	BF136777.D	2-Fluorophenol	150	81.44	54		18	112
			Phenol-d6	150	78.84	53		15	107
			Nitrobenzene-d5	100	55.11	55		18	107
			2-Fluorobiphenyl	100	59.47	59		20	109
			2,4,6-Tribromophenol	150	70.90	47		10	110
			Terphenyl-d14	100	47.71	48		14	112
O5853-04MSD	EAST-WALLMSD	BF136778.D	2-Fluorophenol	150	85.68	57		18	112
			Phenol-d6	150	82.56	55		15	107
			Nitrobenzene-d5	100	58.89	59		18	107
			2-Fluorobiphenyl	100	63.59	64		20	109
			2,4,6-Tribromophenol	150	75.61	50		10	110
			Terphenyl-d14	100	47.87	48		14	112



Surrogate Summary
SW-846

SDG No.: BF122723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5862-12	WC-LIQUIDS-202:BF136773.D		2-Fluorophenol	150	56.97	38		10	139
			Phenol-d6	150	36.79	25		10	134
			Nitrobenzene-d5	100	131.55	132		49	133
			2-Fluorobiphenyl	100	91.69	92		52	132
			2,4,6-Tribromophenol	150	97.57	65		32	145
			Terphenyl-d14	100	94.11	94		36	145

Surrogate Summary

SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5862-13	WC-LIQUIDS-202\BF136768.D		2-Fluorophenol	150	100.80	67		10	139
			Phenol-d6	150	91.94	61		10	134
			Nitrobenzene-d5	100	75.57	76		49	133
			2-Fluorobiphenyl	100	77.45	77		52	132
			2,4,6-Tribromophenol	150	110.58	74		32	145
			Terphenyl-d14	100	75.64	76		36	145
O5862-13MS	WC-LIQUIDS-202\BF136769.D		2-Fluorophenol	150	113.11	75		10	139
			Phenol-d6	150	103.83	69		10	134
			Nitrobenzene-d5	100	82.73	83		49	133
			2-Fluorobiphenyl	100	85.23	85		52	132
			2,4,6-Tribromophenol	150	122.42	82		32	145
			Terphenyl-d14	100	87.00	87		36	145
O5862-13MSD	WC-LIQUIDS-202\BF136770.D		2-Fluorophenol	150	104.44	70		10	139
			Phenol-d6	150	97.43	65		10	134
			Nitrobenzene-d5	100	78.48	78		49	133
			2-Fluorobiphenyl	100	76.70	77		52	132
			2,4,6-Tribromophenol	150	114.17	76		32	145
			Terphenyl-d14	100	85.89	86		36	145
PB157875TB	PB157875TB	BF136763.D	2-Fluorophenol	150	118.14	79		10	139
			Phenol-d6	150	112.56	75		10	134
			Nitrobenzene-d5	100	80.67	81		49	133
			2-Fluorobiphenyl	100	81.03	81		52	132
			2,4,6-Tribromophenol	150	107.21	71		32	145
			Terphenyl-d14	100	76.01	76		36	145
PB157937BL	PB157937BL	BF136751.D	2-Fluorophenol	150	124.15	83		10	139
			Phenol-d6	150	119.87	80		10	134
			Nitrobenzene-d5	100	80.94	81		49	133
			2-Fluorobiphenyl	100	83.30	83		52	132
			2,4,6-Tribromophenol	150	113.46	76		32	145
			Terphenyl-d14	100	77.35	77		36	145
PB157937BS	PB157937BS	BF136752.D	2-Fluorophenol	150	118.69	79		10	139
			Phenol-d6	150	108.42	72		10	134
			Nitrobenzene-d5	100	73.81	74		49	133
			2-Fluorobiphenyl	100	74.85	75		52	132
			2,4,6-Tribromophenol	150	103.31	69		32	145
			Terphenyl-d14	100	68.06	68		36	145



Surrogate Summary
SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5900-08	GHL-SS-61	BF136764.D	2-Fluorophenol	150	71.17	47		18	112
			Phenol-d6	150	69.64	46		15	107
			Nitrobenzene-d5	100	49.19	49		18	107
			2-Fluorobiphenyl	100	50.77	51		20	109
			2,4,6-Tribromophenol	150	72.11	48		10	110
			Terphenyl-d14	100	47.99	48		14	112



Surrogate Summary
SW-846

SDG No.: BF122723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5926-01	MR-319-0-2	BF136775.D	2-Fluorophenol	150	92.04	61		18	112
			Phenol-d6	150	88.65	59		15	107
			Nitrobenzene-d5	100	62.06	62		18	107
			2-Fluorobiphenyl	100	66.81	67		20	109
			2,4,6-Tribromophenol	150	67.79	45		10	110
			Terphenyl-d14	100	52.91	53		14	112
O5940-05MS	PL-04-122023MS	BF136782.D	2-Fluorophenol	150	81.55	54		18	112
			Phenol-d6	150	78.13	52		15	107
			Nitrobenzene-d5	100	57.46	57		18	107
			2-Fluorobiphenyl	100	68.80	69		20	109
			2,4,6-Tribromophenol	150	76.35	51		10	110
			Terphenyl-d14	100	45.92	46		14	112
O5940-05MSD	PL-04-122023MSD	BF136783.D	2-Fluorophenol	150	81.00	54		18	112
			Phenol-d6	150	73.35	49		15	107
			Nitrobenzene-d5	100	56.94	57		18	107
			2-Fluorobiphenyl	100	64.82	65		20	109
			2,4,6-Tribromophenol	150	83.75	56		10	110
			Terphenyl-d14	100	47.94	48		14	112



Surrogate Summary

SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5921-03	SP-303-20231218	BF136753.D	2-Fluorophenol	150	40.52	27		10	139
			Phenol-d6	150	21.46	14		10	134
			Nitrobenzene-d5	100	78.57	79		49	133
			2-Fluorobiphenyl	100	80.86	81		52	132
			2,4,6-Tribromophenol	150	107.85	72		32	145
			Terphenyl-d14	100	68.45	68		36	145
O5967-11	COLT0	BF136755.D	2-Fluorophenol	150	33.70	22		10	139
			Phenol-d6	150	18.74	12		10	134
			Nitrobenzene-d5	100	61.32	61		49	133
			2-Fluorobiphenyl	100	63.15	63		52	132
			2,4,6-Tribromophenol	150	92.93	62		32	145
			Terphenyl-d14	100	65.09	65		36	145
O5967-12MS	COLT0MS	BF136756.D	2-Fluorophenol	150	31.88	21		10	139
			Phenol-d6	150	18.02	12		10	134
			Nitrobenzene-d5	100	64.17	64		49	133
			2-Fluorobiphenyl	100	64.64	65		52	132
			2,4,6-Tribromophenol	150	85.96	57		32	145
			Terphenyl-d14	100	65.59	66		36	145
O5967-13MSD	COLT0MSD	BF136757.D	2-Fluorophenol	150	33.17	22		10	139
			Phenol-d6	150	18.06	12		10	134
			Nitrobenzene-d5	100	66.60	67		49	133
			2-Fluorobiphenyl	100	69.76	70		52	132
			2,4,6-Tribromophenol	150	84.95	57		32	145
			Terphenyl-d14	100	58.90	59		36	145
PB158018BL	PB158018BL	BF136749.D	2-Fluorophenol	150	125.82	84		10	139
			Phenol-d6	150	121.66	81		10	134
			Nitrobenzene-d5	100	82.78	83		49	133
			2-Fluorobiphenyl	100	83.31	83		52	132
			2,4,6-Tribromophenol	150	110.51	74		32	145
			Terphenyl-d14	100	76.54	77		36	145
PB158018BS	PB158018BS	BF136750.D	2-Fluorophenol	150	116.31	78		10	139
			Phenol-d6	150	107.05	71		10	134
			Nitrobenzene-d5	100	73.29	73		49	133
			2-Fluorobiphenyl	100	77.04	77		52	132
			2,4,6-Tribromophenol	150	105.09	70		32	145
			Terphenyl-d14	100	69.44	69		36	145

Surrogate Summary

SW-846

SDG No.: BF122723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O6011-01	SU-03-122223	BF136781.D	2-Fluorophenol	150	83.64	56		18	112
			Phenol-d6	150	76.04	51		15	107
			Nitrobenzene-d5	100	56.41	56		18	107
			2-Fluorobiphenyl	100	69.04	69		20	109
			2,4,6-Tribromophenol	150	72.68	48		10	110
			Terphenyl-d14	100	45.13	45		14	112
O6018-01	COMP-1	BF136774.D	2-Fluorophenol	150	84.55	56		18	112
			Phenol-d6	150	82.85	55		15	107
			Nitrobenzene-d5	100	55.87	56		18	107
			2-Fluorobiphenyl	100	62.29	62		20	109
			2,4,6-Tribromophenol	150	58.70	39		10	110
			Terphenyl-d14	100	50.78	51		14	112
O6018-02	COMP-2	BF136780.D	2-Fluorophenol	150	82.98	55		18	112
			Phenol-d6	150	77.86	52		15	107
			Nitrobenzene-d5	100	58.40	58		18	107
			2-Fluorobiphenyl	100	67.66	68		20	109
			2,4,6-Tribromophenol	150	73.68	49		10	110
			Terphenyl-d14	100	46.15	46		14	112
O6018-03	COMP-3	BF136779.D	2-Fluorophenol	150	93.31	62		18	112
			Phenol-d6	150	91.97	61		15	107
			Nitrobenzene-d5	100	67.25	67		18	107
			2-Fluorobiphenyl	100	71.57	72		20	109
			2,4,6-Tribromophenol	150	77.57	52		10	110
			Terphenyl-d14	100	51.79	52		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF122723Lab Code: CHEMSAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136747.DDFTPP Injection Date: 12/27/2023Instrument ID: BNA_FDFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.8
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	32
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.5
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	5.6
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136748.D	12/27/2023	09:41
PB158018BL	PB158018BL	BF136749.D	12/27/2023	10:13
PB158018BS	PB158018BS	BF136750.D	12/27/2023	10:44
PB157937BL	PB157937BL	BF136751.D	12/27/2023	11:14
PB157937BS	PB157937BS	BF136752.D	12/27/2023	11:45
SP-303-20231218	O5921-03	BF136753.D	12/27/2023	12:21
MW-1B-EE-NNRE	O5791-11RE	BF136754.D	12/27/2023	12:53
C0LT0	O5967-11	BF136755.D	12/27/2023	13:25
C0LT0MS	O5967-12MS	BF136756.D	12/27/2023	13:56
C0LT0MSD	O5967-13MSD	BF136757.D	12/27/2023	14:26
RT-SB-04-12-13RE	O5796-03RE	BF136758.D	12/27/2023	15:04
RT-SB-04-10-11	O5796-01	BF136759.D	12/27/2023	15:34
SSTDCCC040EC	SSTDCCC040	BF136760.D	12/27/2023	16:14



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF122723Lab Code: CHEMSAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136761.DDFTPP Injection Date: 12/27/2023Instrument ID: BNA_FDFTPP Injection Time: 16:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.4
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	48.5
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	7.1
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	97.3
443	15.0 - 24.0% of mass 442	17.4 (17.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136762.D	12/27/2023	17:18
PB157875TB	PB157875TB	BF136763.D	12/27/2023	17:49
GHL-SS-61	O5900-08	BF136764.D	12/27/2023	18:25
RT-SB-04-13-14MS	O5796-05MS	BF136765.D	12/27/2023	18:56
RT-SB-04-13-14MSD	O5796-06MSD	BF136766.D	12/27/2023	19:27
597-P-2RE	O5791-03RE	BF136767.D	12/27/2023	19:58
WC-LIQUIDS-20231213-01	O5862-13	BF136768.D	12/27/2023	20:28
WC-LIQUIDS-20231213-01MS	O5862-13MS	BF136769.D	12/27/2023	20:59
WC-LIQUIDS-20231213-01MSD	O5862-13MSD	BF136770.D	12/27/2023	21:30
RT-SB-07-10-11	O5827-03	BF136771.D	12/27/2023	22:01
RT-SB-09-10.5-11.5	O5827-09	BF136772.D	12/27/2023	22:32
WC-LIQUIDS-20231213-01	O5862-12	BF136773.D	12/27/2023	23:02
COMP-1	O6018-01	BF136774.D	12/27/2023	23:33
MR-319-0-2	O5926-01	BF136775.D	12/28/2023	00:03
EAST-WALL	O5853-04	BF136776.D	12/28/2023	00:35
EAST-WALLMS	O5853-04MS	BF136777.D	12/28/2023	01:06
EAST-WALLMSD	O5853-04MSD	BF136778.D	12/28/2023	01:37
COMP-3	O6018-03	BF136779.D	12/28/2023	02:07
COMP-2	O6018-02	BF136780.D	12/28/2023	02:38



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF122723Lab Code: CHEMSAS No.: BF122723 SDG NO.: BF122723Lab File ID: BF136761.DDFTPP Injection Date: 12/27/2023Instrument ID: BNA_FDFTPP Injection Time: 16:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.4
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	48.5
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	7.1
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	97.3
443	15.0 - 24.0% of mass 442	17.4 (17.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SU-03-122223	O6011-01	BF136781.D	12/28/2023	03:09
PL-04-122023MS	O5940-05MS	BF136782.D	12/28/2023	03:40
PL-04-122023MSD	O5940-05MSD	BF136783.D	12/28/2023	04:11