

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG No.: BF010424

Instrument ID: BNA_F Calibration Date/Time: 1/4/2024 12: 11:31

Lab File ID: BF136934.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	0.667		-4.167	
Pyridine	1.303	1.313		0.767	
2-Fluorophenol	1.282	1.320		2.964	
Benzaldehyde	0.945	0.922		-2.434	
Aniline	1.661	1.534		-7.646	
Phenol-d6	1.661	1.667		0.361	
Phenol	1.773	1.751		-1.241	20.0
bis(2-Chloroethyl)ether	1.348	1.369		1.558	
2-Chlorophenol	1.403	1.436		2.352	
1,2-Dichlorobenzene	1.455	1.494		2.68	
1,3-Dichlorobenzene	1.530	1.570		2.614	
1,4-Dichlorobenzene	1.564	1.599		2.238	20.0
Benzyl Alcohol	1.121	1.125		0.357	
2-Methylphenol	1.162	1.155		-0.602	
2,2-oxybis(1-Chloropropane)	2.205	2.092		-5.125	
Acetophenone	0.501	0.504		0.599	
3+4-Methylphenols	1.452	1.485		2.273	
n-Nitroso-di-n-propylamine	1.007	1.001	0.050	-0.596	
Nitrobenzene-d5	0.391	0.389		-0.512	
Hexachloroethane	0.568	0.573		0.88	
Nitrobenzene	0.392	0.387		-1.276	
Isophorone	0.711	0.697		-1.969	
2-Nitrophenol	0.187	0.199		6.417	20.0
2,4-Dimethylphenol	0.228	0.231		1.316	
bis(2-Chloroethoxy)methane	0.432	0.424		-1.852	
2,4-Dichlorophenol	0.294	0.295		0.34	20.0
1,2,4-Trichlorobenzene	0.327	0.332		1.529	
Benzoic acid	0.221	0.233		5.43	
Naphthalene	1.099	1.106		0.637	
4-Chloroaniline	0.406	0.392		-3.448	
Hexachlorobutadiene	0.199	0.202		1.508	20.0
Caprolactam	0.097	0.113		16.495	
4-Chloro-3-methylphenol	0.331	0.327		-1.208	20.0
2-Methylnaphthalene	0.707	0.702		-0.707	
Hexachlorocyclopentadiene	0.172	0.246	0.050	43.023	
2,4,6-Trichlorophenol	0.397	0.399		0.504	20.0
2-Fluorobiphenyl	1.487	1.497		0.672	
2,4,5-Trichlorophenol	0.443	0.444		0.226	
1,1-Biphenyl	1.678	1.723		2.682	
2-Chloronaphthalene	1.276	1.319		3.37	
2-Nitroaniline	0.400	0.402		0.5	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.461	1.483		1.506	
Acenaphthylene	1.950	1.986		1.846	
2,6-Dinitrotoluene	0.332	0.344		3.614	
3-Nitroaniline	0.351	0.353		0.57	
Acenaphthene	1.209	1.229		1.654	20.0
2,4-Dinitrophenol	0.165	0.190	0.050	15.152	
4-Nitrophenol	0.237	0.243	0.050	2.532	
Dibenzofuran	1.832	1.832		0.0	
2,4-Dinitrotoluene	0.430	0.435		1.163	
Diethylphthalate	1.516	1.522		0.396	
4-Chlorophenyl-phenylether	0.707	0.720		1.839	
Fluorene	1.454	1.495		2.82	
4-Nitroaniline	0.339	0.330		-2.655	
4,6-Dinitro-2-methylphenol	0.115	0.119		3.478	
n-Nitrosodiphenylamine	0.650	0.658		1.231	20.0
Azobenzene	1.416	1.396		-1.412	
2,4,6-Tribromophenol	0.236	0.239		1.271	
4-Bromophenyl-phenylether	0.222	0.228		2.703	
Hexachlorobenzene	0.248	0.259		4.435	
Atrazine	0.166	0.170		2.41	
Pentachlorophenol	0.115	0.109		-5.217	20.0
Phenanthrene	1.026	1.043		1.657	
Anthracene	1.039	1.067		2.695	
Carbazole	0.980	0.985		0.51	
Di-n-butylphthalate	1.196	1.263		5.602	
Fluoranthene	1.098	1.086		-1.093	20.0
Benzidine	0.590	0.695		17.797	
Pyrene	1.963	2.093		6.623	
Terphenyl-d14	1.431	1.555		8.665	
Butylbenzylphthalate	0.714	0.807		13.025	
3,3-Dichlorobenzidine	0.394	0.417		5.838	
Benzo (a) anthracene	1.389	1.453		4.608	
Chrysene	1.358	1.363		0.368	
Bis (2-ethylhexyl) phthalate	0.899	1.094		21.691	
Di-n-octyl phthalate	1.390	1.555		11.871	20.0
Benzo (b) fluoranthene	1.336	1.344		0.599	
Benzo (k) fluoranthene	1.262	1.214		-3.803	
Benzo (a) pyrene	1.128	1.140		1.064	20.0
Indeno (1,2,3-cd) pyrene	1.444	1.536		6.371	
Dibenzo (a,h) anthracene	1.185	1.251		5.57	
Benzo (g,h,i) perylene	1.213	1.282		5.688	



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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	0.647		4.523	
1,4-Dioxane	0.534	0.534		0.0	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.323		-5.279	
1-Methylnaphthalene	0.694	0.692		-0.288	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG No.: BF010424

Instrument ID: BNA_F Calibration Date/Time: 1/4/2024 12:17:04

Lab File ID: BF136944.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	0.657		-5.603	
Pyridine	1.303	1.283		-1.535	
2-Fluorophenol	1.282	1.293		0.858	
Benzaldehyde	0.945	0.886		-6.243	
Aniline	1.661	1.517		-8.669	
Phenol-d6	1.661	1.609		-3.131	
Phenol	1.773	1.697		-4.287	20.0
bis(2-Chloroethyl)ether	1.348	1.303		-3.338	
2-Chlorophenol	1.403	1.401		-0.143	
1,2-Dichlorobenzene	1.455	1.439		-1.1	
1,3-Dichlorobenzene	1.530	1.535		0.327	
1,4-Dichlorobenzene	1.564	1.526		-2.43	20.0
Benzyl Alcohol	1.121	1.061		-5.352	
2-Methylphenol	1.162	1.121		-3.528	
2,2-oxybis(1-Chloropropane)	2.205	2.035		-7.71	
Acetophenone	0.501	0.507		1.198	
3+4-Methylphenols	1.452	1.428		-1.653	
n-Nitroso-di-n-propylamine	1.007	0.960	0.050	-4.667	
Nitrobenzene-d5	0.391	0.393		0.512	
Hexachloroethane	0.568	0.543		-4.401	
Nitrobenzene	0.392	0.397		1.276	
Isophorone	0.711	0.717		0.844	
2-Nitrophenol	0.187	0.198		5.882	20.0
2,4-Dimethylphenol	0.228	0.233		2.193	
bis(2-Chloroethoxy)methane	0.432	0.432		0.0	
2,4-Dichlorophenol	0.294	0.302		2.721	20.0
1,2,4-Trichlorobenzene	0.327	0.332		1.529	
Benzoic acid	0.221	0.216		-2.262	
Naphthalene	1.099	1.122		2.093	
4-Chloroaniline	0.406	0.401		-1.232	
Hexachlorobutadiene	0.199	0.200		0.503	20.0
Caprolactam	0.097	0.113		16.495	
4-Chloro-3-methylphenol	0.331	0.333		0.604	20.0
2-Methylnaphthalene	0.707	0.718		1.556	
Hexachlorocyclopentadiene	0.172	0.244	0.050	41.86	
2,4,6-Trichlorophenol	0.397	0.398		0.252	20.0
2-Fluorobiphenyl	1.487	1.498		0.74	
2,4,5-Trichlorophenol	0.443	0.433		-2.257	
1,1-Biphenyl	1.678	1.708		1.788	
2-Chloronaphthalene	1.276	1.303		2.116	
2-Nitroaniline	0.400	0.399		-0.25	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.461	1.446		-1.027	
Acenaphthylene	1.950	1.934		-0.821	
2,6-Dinitrotoluene	0.332	0.344		3.614	
3-Nitroaniline	0.351	0.338		-3.704	
Acenaphthene	1.209	1.218		0.744	20.0
2,4-Dinitrophenol	0.165	0.188	0.050	13.939	
4-Nitrophenol	0.237	0.242	0.050	2.11	
Dibenzofuran	1.832	1.785		-2.566	
2,4-Dinitrotoluene	0.430	0.426		-0.93	
Diethylphthalate	1.516	1.485		-2.045	
4-Chlorophenyl-phenylether	0.707	0.707		0.0	
Fluorene	1.454	1.470		1.1	
4-Nitroaniline	0.339	0.326		-3.835	
4,6-Dinitro-2-methylphenol	0.115	0.119		3.478	
n-Nitrosodiphenylamine	0.650	0.653		0.462	20.0
Azobenzene	1.416	1.396		-1.412	
2,4,6-Tribromophenol	0.236	0.230		-2.542	
4-Bromophenyl-phenylether	0.222	0.225		1.351	
Hexachlorobenzene	0.248	0.253		2.016	
Atrazine	0.166	0.165		-0.602	
Pentachlorophenol	0.115	0.115		0.0	20.0
Phenanthrene	1.026	1.021		-0.487	
Anthracene	1.039	1.030		-0.866	
Carbazole	0.980	0.960		-2.041	
Di-n-butylphthalate	1.196	1.215		1.589	
Fluoranthene	1.098	1.064		-3.097	20.0
Benzidine	0.590	0.701		18.814	
Pyrene	1.963	2.062		5.043	
Terphenyl-d14	1.431	1.511		5.59	
Butylbenzylphthalate	0.714	0.816		14.286	
3,3-Dichlorobenzidine	0.394	0.408		3.553	
Benzo (a) anthracene	1.389	1.429		2.88	
Chrysene	1.358	1.347		-0.81	
Bis (2-ethylhexyl) phthalate	0.899	1.089		21.135	
Di-n-octyl phthalate	1.390	1.497		7.698	20.0
Benzo (b) fluoranthene	1.336	1.296		-2.994	
Benzo (k) fluoranthene	1.262	1.189		-5.784	
Benzo (a) pyrene	1.128	1.099		-2.571	20.0
Indeno (1,2,3-cd) pyrene	1.444	1.417		-1.87	
Dibenzo (a,h) anthracene	1.185	1.166		-1.603	
Benzo (g,h,i) perylene	1.213	1.180		-2.721	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.619	0.643		3.877	
1,4-Dioxane	0.534	0.527		-1.311	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.338		-0.88	
1-Methylnaphthalene	0.694	0.699		0.72	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BL	SDG No.:	BF010424
Lab Sample ID:	PB158180BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136935.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

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

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BL	SDG No.:	BF010424
Lab Sample ID:	PB158180BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136935.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

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

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BL	SDG No.:	BF010424
Lab Sample ID:	PB158180BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136935.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	142.978		18-112		95	SPK: -150
13127-88-3	Phenol-d6	136.894		15-107		91	SPK: -150
4165-60-0	Nitrobenzene-d5	94.9		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	93.923		20-109		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	138.671		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	92.908		14-112		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89308	6.787				
1146-65-2	Naphthalene-d8	349722	8.063				
15067-26-2	Acenaphthene-d10	184753	9.816				
1517-22-2	Phenanthrene-d10	386077	11.31				
1719-03-5	Chrysene-d12	236449	13.969				
1520-96-3	Perylene-d12	187129	15.457				



Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BL	SDG No.:	BF010424
Lab Sample ID:	PB158180BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136935.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.069	

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BS	SDG No.:	BF010424
Lab Sample ID:	PB158180BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136936.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		77.3	270	330	ug/Kg
110-86-1	Pyridine	1100		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	800		150	270	330	ug/Kg
62-53-3	Aniline	1100		120	130	170	ug/Kg
108-95-2	Phenol	1200		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1300		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1300		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1200		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		100	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1200		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.2	130	170	ug/Kg
78-59-1	Isophorone	1200		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1300		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1300		210	270	330	ug/Kg
91-20-3	Naphthalene	1200		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	680		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		84	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BS	SDG No.:	BF010424
Lab Sample ID:	PB158180BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136936.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2900	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1300		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1300		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1300		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.3	130	170	ug/Kg
Total PAH	Total PAH	21600		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2200		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2200		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2600		189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	1300		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.4	130	170	ug/Kg
86-73-7	Fluorene	1300		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		98.8	130	170	ug/Kg
1912-24-9	Atrazine	2400		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2100		110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.7	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BS	SDG No.:	BF010424
Lab Sample ID:	PB158180BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136936.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		190	270	330	ug/Kg
129-00-0	Pyrene	1300		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.9	130	170	ug/Kg
218-01-9	Chrysene	1300		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.167		18-112		73	SPK: -150
13127-88-3	Phenol-d6	104.821		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	72.423		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	73.857		20-109		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	115.445		10-110		77	SPK: -150
1718-51-0	Terphenyl-d14	79.053		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82538	6.787				
1146-65-2	Naphthalene-d8	319407	8.063				
15067-26-2	Acenaphthene-d10	164316	9.822				
1517-22-2	Phenanthrene-d10	325198	11.316				
1719-03-5	Chrysene-d12	180810	13.974				
1520-96-3	Perylene-d12	156989	15.457				



Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	PB158180BS	SDG No.:	BF010424
Lab Sample ID:	PB158180BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136936.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

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

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BL	SDG No.:	BF010424
Lab Sample ID:	PB158204BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136937.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BL	SDG No.:	BF010424
Lab Sample ID:	PB158204BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136937.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.9	U	189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BL	SDG No.:	BF010424
Lab Sample ID:	PB158204BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136937.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.274		18-112		96	SPK: -150
13127-88-3	Phenol-d6	137.25		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	94.297		18-107		94	SPK: -100
321-60-8	2-Fluorobiphenyl	92.905		20-109		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	136.638		10-110		91	SPK: -150
1718-51-0	Terphenyl-d14	87.867		14-112		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87001	6.781				
1146-65-2	Naphthalene-d8	344505	8.057				
15067-26-2	Acenaphthene-d10	180117	9.816				
1517-22-2	Phenanthrene-d10	360607	11.31				
1719-03-5	Chrysene-d12	237174	13.968				
1520-96-3	Perylene-d12	182203	15.456				



Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BL	SDG No.:	BF010424
Lab Sample ID:	PB158204BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF136937.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.063	
000593-45-3	Octadecane	67.6	J			16.445	

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BS	SDG No.:	BF010424
Lab Sample ID:	PB158204BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136938.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		77.2	270	330	ug/Kg
110-86-1	Pyridine	1100		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	820		150	270	330	ug/Kg
62-53-3	Aniline	1100		120	130	170	ug/Kg
108-95-2	Phenol	1200		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1300		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1300		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		100	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1200		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1300		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	710		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BS	SDG No.:	BF010424
Lab Sample ID:	PB158204BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136938.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2900	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1300		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1300		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1300		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	980		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.2	130	170	ug/Kg
Total PAH	Total PAH	21900		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2200		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2200		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2600		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.3	130	170	ug/Kg
86-73-7	Fluorene	1300		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2400		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2200		110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.6	130	170	ug/Kg
120-12-7	Anthracene	1300		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BS	SDG No.:	BF010424
Lab Sample ID:	PB158204BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136938.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		190	270	330	ug/Kg
129-00-0	Pyrene	1400		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.8	130	170	ug/Kg
218-01-9	Chrysene	1300		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.44		18-112		74	SPK: -150
13127-88-3	Phenol-d6	108.442		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	72.514		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	74.158		20-109		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	117.149		10-110		78	SPK: -150
1718-51-0	Terphenyl-d14	82.338		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82525	6.786				
1146-65-2	Naphthalene-d8	321859	8.063				
15067-26-2	Acenaphthene-d10	168380	9.822				
1517-22-2	Phenanthrene-d10	337178	11.316				
1719-03-5	Chrysene-d12	178690	13.974				
1520-96-3	Perylene-d12	151058	15.457				



Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	PB158204BS	SDG No.:	BF010424
Lab Sample ID:	PB158204BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136938.D	1	1/3/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158204

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

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BS	SDG No.:	BF010424
Lab Sample ID:	PB158038BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136939.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		77.2	270	330	ug/Kg
110-86-1	Pyridine	1100		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	820		150	270	330	ug/Kg
62-53-3	Aniline	1100		120	130	170	ug/Kg
108-95-2	Phenol	1200		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1300		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1300		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		100	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1200		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1200		75.1	130	170	ug/Kg
78-59-1	Isophorone	1300		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1300		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1300		210	270	330	ug/Kg
91-20-3	Naphthalene	1200		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1200		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BS	SDG No.:	BF010424
Lab Sample ID:	PB158038BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136939.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2900	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1300		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1300		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	990		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1300		80.2	130	170	ug/Kg
Total PAH	Total PAH	21600		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2200		180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2200		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1300		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		90.3	130	170	ug/Kg
86-73-7	Fluorene	1300		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1200		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1300		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1300		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2400		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2100		110	270	330	ug/Kg
85-01-8	Phenanthrene	1300		92.6	130	170	ug/Kg
120-12-7	Anthracene	1300		100	130	170	ug/Kg
86-74-8	Carbazole	1300		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		100	130	170	ug/Kg
206-44-0	Fluoranthene	1300		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BS	SDG No.:	BF010424
Lab Sample ID:	PB158038BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136939.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000		190	270	330	ug/Kg
129-00-0	Pyrene	1300		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.8	130	170	ug/Kg
218-01-9	Chrysene	1300		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.985		18-112		75	SPK: -150
13127-88-3	Phenol-d6	108.855		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	72.488		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	73.152		20-109		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	112.967		10-110		75	SPK: -150
1718-51-0	Terphenyl-d14	79.799		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89477	6.787				
1146-65-2	Naphthalene-d8	354306	8.063				
15067-26-2	Acenaphthene-d10	186066	9.822				
1517-22-2	Phenanthrene-d10	363757	11.316				
1719-03-5	Chrysene-d12	200039	13.974				
1520-96-3	Perylene-d12	154085	15.457				



Report of Analysis

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BS	SDG No.:	BF010424
Lab Sample ID:	PB158038BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Final Vol:	1000 uL
Soil Aliquot Vol:		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136939.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

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:	GHL-SS-36aMS	SDG No.:	BF010424
Lab Sample ID:	O5897-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136940.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	4000		240	830	1000	ug/Kg
110-86-1	Pyridine	3900		220	400	520	ug/Kg
100-52-7	Benzaldehyde	1600		450	830	1000	ug/Kg
62-53-3	Aniline	1900		360	400	520	ug/Kg
108-95-2	Phenol	3900		230	400	520	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4200		280	400	520	ug/Kg
95-57-8	2-Chlorophenol	4300		220	400	520	ug/Kg
95-50-1	1,2-Dichlorobenzene	4100		250	400	520	ug/Kg
541-73-1	1,3-Dichlorobenzene	4200		270	400	520	ug/Kg
106-46-7	1,4-Dichlorobenzene	4100		250	400	520	ug/Kg
100-51-6	Benzyl Alcohol	4100		300	830	1000	ug/Kg
95-48-7	2-Methylphenol	3900		350	400	520	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4000		320	400	520	ug/Kg
98-86-2	Acetophenone	4400		270	400	520	ug/Kg
65794-96-9	3+4-Methylphenols	4100		330	830	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	3900		180	240	240	ug/Kg
67-72-1	Hexachloroethane	4100		230	400	520	ug/Kg
98-95-3	Nitrobenzene	4000		230	400	520	ug/Kg
78-59-1	Isophorone	4000		210	400	520	ug/Kg
88-75-5	2-Nitrophenol	4400		290	400	520	ug/Kg
105-67-9	2,4-Dimethylphenol	4900		310	400	520	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4200		340	400	520	ug/Kg
120-83-2	2,4-Dichlorophenol	4100		240	400	520	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4200		240	400	520	ug/Kg
65-85-0	Benzoic acid	4000		660	830	1000	ug/Kg
91-20-3	Naphthalene	4100		250	400	520	ug/Kg
106-47-8	4-Chloroaniline	600		320	400	520	ug/Kg
87-68-3	Hexachlorobutadiene	4200		260	400	520	ug/Kg
105-60-2	Caprolactam	3700		360	830	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	3600		250	400	520	ug/Kg
91-57-6	2-Methylnaphthalene	3900		290	400	520	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:	GHL-SS-36aMS	SDG No.:	BF010424
Lab Sample ID:	O5897-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136940.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	10300	E	640	830	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4400		240	400	520	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4000		270	400	520	ug/Kg
92-52-4	1,1-Biphenyl	4600		280	400	520	ug/Kg
91-58-7	2-Chloronaphthalene	4400		260	400	520	ug/Kg
88-74-4	2-Nitroaniline	3900		300	400	520	ug/Kg
131-11-3	Dimethylphthalate	4100		270	400	520	ug/Kg
208-96-8	Acenaphthylene	4600		270	400	520	ug/Kg
606-20-2	2,6-Dinitrotoluene	3900		280	400	520	ug/Kg
99-09-2	3-Nitroaniline	2200		290	400	520	ug/Kg
83-32-9	Acenaphthene	4200		250	400	520	ug/Kg
Total PAH	Total PAH	67900		4420	400	8320	ug/Kg
51-28-5	2,4-Dinitrophenol	6400		550	830	1000	ug/Kg
100-02-7	4-Nitrophenol	6200		350	830	1000	ug/Kg
132-64-9	Dibenzofuran	4200		240	400	520	ug/Kg
121-14-2	2,4-Dinitrotoluene	3700		310	400	520	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	7600		590	400	1040	ug/Kg
84-66-2	Diethylphthalate	3900		260	400	520	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4100		280	400	520	ug/Kg
86-73-7	Fluorene	4200		260	400	520	ug/Kg
100-01-6	4-Nitroaniline	3300		320	400	520	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3900		270	830	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	4500		290	400	520	ug/Kg
103-33-3	Azobenzene	3900		230	400	520	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4400		300	400	520	ug/Kg
118-74-1	Hexachlorobenzene	4400		300	400	520	ug/Kg
1912-24-9	Atrazine	5300		290	400	520	ug/Kg
87-86-5	Pentachlorophenol	7000		340	830	1000	ug/Kg
85-01-8	Phenanthrene	4500		280	400	520	ug/Kg
120-12-7	Anthracene	4300		310	400	520	ug/Kg
86-74-8	Carbazole	4200		260	400	520	ug/Kg
84-74-2	Di-n-butylphthalate	4600		320	400	520	ug/Kg
206-44-0	Fluoranthene	4300		290	400	520	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:	GHL-SS-36aMS	SDG No.:	BF010424
Lab Sample ID:	O5897-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136940.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1900		590	830	1000	ug/Kg
129-00-0	Pyrene	3400		260	400	520	ug/Kg
85-68-7	Butylbenzylphthalate	4400		320	400	520	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3100		490	830	1000	ug/Kg
56-55-3	Benzo(a)anthracene	4400		260	400	520	ug/Kg
218-01-9	Chrysene	4200		270	400	520	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	5500		350	400	520	ug/Kg
117-84-0	Di-n-octyl phthalate	6500		380	830	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900		250	400	520	ug/Kg
207-08-9	Benzo(k)fluoranthene	3900		270	400	520	ug/Kg
50-32-8	Benzo(a)pyrene	4200		290	400	520	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4600		330	400	520	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4700		300	400	520	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4400		280	400	520	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4900		270	400	520	ug/Kg
123-91-1	1,4-Dioxane	4000		360	400	520	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4100		250	400	520	ug/Kg
90-12-0	1-Methylnaphthalene	3800		280	520	520	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.403		18-112		70	SPK: -150
13127-88-3	Phenol-d6	98.366		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	70.717		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	72.241		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.548		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	54.434		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60541	6.781				
1146-65-2	Naphthalene-d8	226183	8.063				
15067-26-2	Acenaphthene-d10	103932	9.816				
1517-22-2	Phenanthrene-d10	178803	11.31				
1719-03-5	Chrysene-d12	129139	13.968				
1520-96-3	Perylene-d12	157732	15.457				



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

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	GHL-SS-36aMS	SDG No.:	BF010424
Lab Sample ID:	O5897-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136940.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

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

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	GHL-SS-36aMSD	SDG No.:	BF010424
Lab Sample ID:	O5897-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
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
BF136941.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	4200		240	830	1000	ug/Kg
110-86-1	Pyridine	3900		220	400	520	ug/Kg
100-52-7	Benzaldehyde	1600		450	830	1000	ug/Kg
62-53-3	Aniline	1800		360	400	520	ug/Kg
108-95-2	Phenol	3900		230	400	520	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4300		280	400	520	ug/Kg
95-57-8	2-Chlorophenol	4300		220	400	520	ug/Kg
95-50-1	1,2-Dichlorobenzene	4200		250	400	520	ug/Kg
541-73-1	1,3-Dichlorobenzene	4200		270	400	520	ug/Kg
106-46-7	1,4-Dichlorobenzene	4200		250	400	520	ug/Kg
100-51-6	Benzyl Alcohol	4200		300	830	1000	ug/Kg
95-48-7	2-Methylphenol	3900		350	400	520	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4100		320	400	520	ug/Kg
98-86-2	Acetophenone	4600		270	400	520	ug/Kg
65794-96-9	3+4-Methylphenols	4000		330	830	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	4000		180	250	250	ug/Kg
67-72-1	Hexachloroethane	4200		230	400	520	ug/Kg
98-95-3	Nitrobenzene	4200		230	400	520	ug/Kg
78-59-1	Isophorone	4100		210	400	520	ug/Kg
88-75-5	2-Nitrophenol	4500		290	400	520	ug/Kg
105-67-9	2,4-Dimethylphenol	4900		310	400	520	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4200		340	400	520	ug/Kg
120-83-2	2,4-Dichlorophenol	4300		240	400	520	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4400		240	400	520	ug/Kg
65-85-0	Benzoic acid	3900		660	830	1000	ug/Kg
91-20-3	Naphthalene	4300		250	400	520	ug/Kg
106-47-8	4-Chloroaniline	540		320	400	520	ug/Kg
87-68-3	Hexachlorobutadiene	4300		260	400	520	ug/Kg
105-60-2	Caprolactam	3700		360	830	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	3800		250	400	520	ug/Kg
91-57-6	2-Methylnaphthalene	4100		290	400	520	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:	GHL-SS-36aMSD	SDG No.:	BF010424
Lab Sample ID:	O5897-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
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
BF136941.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	10300	E	640	830	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4500		240	400	520	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4300		270	400	520	ug/Kg
92-52-4	1,1-Biphenyl	4800		280	400	520	ug/Kg
91-58-7	2-Chloronaphthalene	4600		260	400	520	ug/Kg
88-74-4	2-Nitroaniline	4100		300	400	520	ug/Kg
131-11-3	Dimethylphthalate	4300		270	400	520	ug/Kg
208-96-8	Acenaphthylene	4800		270	400	520	ug/Kg
606-20-2	2,6-Dinitrotoluene	4100		280	400	520	ug/Kg
99-09-2	3-Nitroaniline	1900		290	400	520	ug/Kg
83-32-9	Acenaphthene	4500		250	400	520	ug/Kg
Total PAH	Total PAH	71300		4420	400	8320	ug/Kg
51-28-5	2,4-Dinitrophenol	6300		550	830	1000	ug/Kg
100-02-7	4-Nitrophenol	6300		350	830	1000	ug/Kg
132-64-9	Dibenzofuran	4400		240	400	520	ug/Kg
121-14-2	2,4-Dinitrotoluene	3900		310	400	520	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	8000		590	400	1040	ug/Kg
84-66-2	Diethylphthalate	4100		260	400	520	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4300		280	400	520	ug/Kg
86-73-7	Fluorene	4400		260	400	520	ug/Kg
100-01-6	4-Nitroaniline	3500		320	400	520	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4100		270	830	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	4800		290	400	520	ug/Kg
103-33-3	Azobenzene	4100		230	400	520	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4700		300	400	520	ug/Kg
118-74-1	Hexachlorobenzene	4600		300	400	520	ug/Kg
1912-24-9	Atrazine	5600		290	400	520	ug/Kg
87-86-5	Pentachlorophenol	6900		340	830	1000	ug/Kg
85-01-8	Phenanthrene	4700		280	400	520	ug/Kg
120-12-7	Anthracene	4600		310	400	520	ug/Kg
86-74-8	Carbazole	4500		260	400	520	ug/Kg
84-74-2	Di-n-butylphthalate	4900		320	400	520	ug/Kg
206-44-0	Fluoranthene	4600		290	400	520	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:	GHL-SS-36aMSD	SDG No.:	BF010424
Lab Sample ID:	O5897-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
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
BF136941.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2200		590	830	1000	ug/Kg
129-00-0	Pyrene	3500		260	400	520	ug/Kg
85-68-7	Butylbenzylphthalate	4600		320	400	520	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3300		490	830	1000	ug/Kg
56-55-3	Benzo(a)anthracene	4700		260	400	520	ug/Kg
218-01-9	Chrysene	4500		270	400	520	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	5800		350	400	520	ug/Kg
117-84-0	Di-n-octyl phthalate	6700		380	830	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	4100		250	400	520	ug/Kg
207-08-9	Benzo(k)fluoranthene	4000		270	400	520	ug/Kg
50-32-8	Benzo(a)pyrene	4300		290	400	520	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4800		330	400	520	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4900		300	400	520	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4600		280	400	520	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	5100		270	400	520	ug/Kg
123-91-1	1,4-Dioxane	4200		360	400	520	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4100		250	400	520	ug/Kg
90-12-0	1-Methylnaphthalene	3900		280	520	520	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.145		18-112		71	SPK: -150
13127-88-3	Phenol-d6	99.254		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	73.325		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	76.485		20-109		76	SPK: -100
118-79-6	2,4,6-Tribromophenol	97.054		10-110		65	SPK: -150
1718-51-0	Terphenyl-d14	56.482		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60222	6.781				
1146-65-2	Naphthalene-d8	220374	8.063				
15067-26-2	Acenaphthene-d10	99894	9.816				
1517-22-2	Phenanthrene-d10	170037	11.31				
1719-03-5	Chrysene-d12	128551	13.968				
1520-96-3	Perylene-d12	158092	15.451				



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:	GHL-SS-36aMSD	SDG No.:	BF010424
Lab Sample ID:	O5897-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	67.4
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
BF136941.D	1	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

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

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	T-803	SDG No.:	BF010424
Lab Sample ID:	O6038-06	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
BF136942.D	1	12/29/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158168

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	1300	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	210		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	T-803	SDG No.:	BF010424
Lab Sample ID:	O6038-06	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
BF136942.D	1	12/29/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158168

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	33.4	J	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	81.9		17.2	40	50	ug/L
Total PAH	Total PAH	1700.3		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	44.3	J	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	120		20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	20.4	J	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	43.9	J	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	T-803	SDG No.:	BF010424
Lab Sample ID:	O6038-06	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
BF136942.D	1	12/29/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158168

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	47.5	J	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	31.2	J	14.5	40	50	ug/L
218-01-9	Chrysene	31.5	J	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	180		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	82.115		10-139		55	SPK: -150
13127-88-3	Phenol-d6	70.519		10-134		47	SPK: -150
4165-60-0	Nitrobenzene-d5	84.184		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	94.927		52-132		95	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.716		32-145		60	SPK: -150
1718-51-0	Terphenyl-d14	72.522		36-145		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	57623	6.781				
1146-65-2	Naphthalene-d8	206919	8.063				
15067-26-2	Acenaphthene-d10	93740	9.816				
1517-22-2	Phenanthrene-d10	158690	11.31				
1719-03-5	Chrysene-d12	128529	13.968				
1520-96-3	Perylene-d12	155213	15.451				



Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	T-803	SDG No.:	BF010424
Lab Sample ID:	O6038-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136942.D	1	12/29/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158168

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

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BL	SDG No.:	BF010424
Lab Sample ID:	PB158038BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136945.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BL	SDG No.:	BF010424
Lab Sample ID:	PB158038BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136945.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	189.9	U	189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BL	SDG No.:	BF010424
Lab Sample ID:	PB158038BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136945.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	142.078		18-112		95	SPK: -150
13127-88-3	Phenol-d6	138.153		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	93.305		18-107		93	SPK: -100
321-60-8	2-Fluorobiphenyl	94.075		20-109		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	136.666		10-110		91	SPK: -150
1718-51-0	Terphenyl-d14	93.44		14-112		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88268	6.781				
1146-65-2	Naphthalene-d8	343246	8.057				
15067-26-2	Acenaphthene-d10	178402	9.816				
1517-22-2	Phenanthrene-d10	355276	11.31				
1719-03-5	Chrysene-d12	212739	13.963				
1520-96-3	Perylene-d12	171449	15.451				



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

Report of Analysis

Client:		Date Collected:	12/23/2023 12:00:00 AM
Project:		Date Received:	12/23/2023 12:00:00 AM
Client Sample ID:	PB158038BL	SDG No.:	BF010424
Lab Sample ID:	PB158038BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136945.D	1	12/23/2023 12:00:00 AM	1/4/2024 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-	110	A			5.063	
000112-95-8	Eicosane	77.3	J			16.439	

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:	SB32-2-20231222-7.5-8.5	SDG No.:	BF010424
Lab Sample ID:	O6017-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136946.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	99.9	U	99.9	350	430	ug/Kg
110-86-1	Pyridine	93.5	U	93.5	170	220	ug/Kg
100-52-7	Benzaldehyde	190	U	190	350	430	ug/Kg
62-53-3	Aniline	150	U	150	170	220	ug/Kg
108-95-2	Phenol	96.1	U	96.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	170	220	ug/Kg
95-57-8	2-Chlorophenol	93	U	93	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	350	430	ug/Kg
95-48-7	2-Methylphenol	150	U	150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	76.2	U	76.2	100	100	ug/Kg
67-72-1	Hexachloroethane	95.1	U	95.1	170	220	ug/Kg
98-95-3	Nitrobenzene	97.2	U	97.2	170	220	ug/Kg
78-59-1	Isophorone	88	U	88	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	170	220	ug/Kg
65-85-0	Benzoic acid	280	U	280	350	430	ug/Kg
91-20-3	Naphthalene	3400		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	150	U	150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	6800	E	120	170	220	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:	SB32-2-20231222-7.5-8.5	SDG No.:	BF010424
Lab Sample ID:	O6017-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136946.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	270	U	270	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	99.6	U	99.6	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	170	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	460		100	170	220	ug/Kg
Total PAH	Total PAH	13430		1840	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	300		99.4	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	170	220	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	170	220	ug/Kg
86-73-7	Fluorene	430		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	170	220	ug/Kg
103-33-3	Azobenzene	95	U	95	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	350	430	ug/Kg
85-01-8	Phenanthrene	2000		120	170	220	ug/Kg
120-12-7	Anthracene	480		130	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	170	220	ug/Kg
206-44-0	Fluoranthene	1700		120	170	220	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:	SB32-2-20231222-7.5-8.5	SDG No.:	BF010424
Lab Sample ID:	O6017-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136946.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	350	430	ug/Kg
129-00-0	Pyrene	1300		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	770		110	170	220	ug/Kg
218-01-9	Chrysene	580		110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	730		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	270		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	670		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300		140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340		120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	3400		120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.547		18-112		48	SPK: -150
13127-88-3	Phenol-d6	77.796		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	57.024		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	61.185		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	47.5		10-110		32	SPK: -150
1718-51-0	Terphenyl-d14	53.42		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51897	6.787				
1146-65-2	Naphthalene-d8	185311	8.063				
15067-26-2	Acenaphthene-d10	98036	9.816				
1517-22-2	Phenanthrene-d10	186175	11.31				
1719-03-5	Chrysene-d12	118129	13.968				
1520-96-3	Perylene-d12	130901	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:	SB32-2-20231222-7.5-8.5	SDG No.:	BF010424
Lab Sample ID:	O6017-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136946.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000592-27-8	Heptane, 2-methyl-	1000	J			3.81	
000589-81-1	Heptane, 3-methyl-	920	J			3.957	
002216-30-0	Heptane, 2,5-dimethyl-	1000	J			4.928	
002216-34-4	Octane, 4-methyl-	1300	J			5.292	
003221-61-2	Octane, 2-methyl-	1100	J			5.316	
006434-77-1	cis-2-Nonene	880	J			5.563	
005911-04-6	Nonane, 3-methyl-	940	J			6.034	
015869-86-0	Octane, 4-ethyl-	870	J			6.222	
000103-65-1	Benzene, propyl-	3000	J			6.251	
062016-28-8	Octane, 2,2,6-trimethyl-	1800	J			6.281	
000871-83-0	Nonane, 2-methyl-	1300	J			6.316	
005881-17-4	Octane, 3-ethyl-	1300	J			6.375	
000496-11-7	Indane	2600	J			6.969	
000141-93-5	Benzene, 1,3-diethyl-	1700	J			7.034	
098640-10-9	3a,6-Methano-3aH-indene, 2,3,4,5,6	2700	J			7.104	
013151-34-3	Decane, 3-methyl-	1100	J			7.169	
000824-90-8	1-Phenyl-1-butene	1100	J			7.81	
000581-42-0	Naphthalene, 2,6-dimethyl-	1300	J			9.404	
000581-40-8	Naphthalene, 2,3-dimethyl-	1100	J			9.475	
000057-10-3	n-Hexadecanoic acid	930	J			11.845	

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:	SB32-2-20231222-7.5-8.5MS	SDG No.:	BF010424
Lab Sample ID:	O6017-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
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
BF136947.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		99.7	350	430	ug/Kg
110-86-1	Pyridine	1400		93.3	170	220	ug/Kg
100-52-7	Benzaldehyde	810		190	350	430	ug/Kg
62-53-3	Aniline	500		150	170	220	ug/Kg
108-95-2	Phenol	1600		95.9	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		120	170	220	ug/Kg
95-57-8	2-Chlorophenol	1700		92.8	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	1500		130	350	430	ug/Kg
95-48-7	2-Methylphenol	1500		150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		140	170	220	ug/Kg
98-86-2	Acetophenone	1600		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	1600		140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		76.1	100	100	ug/Kg
67-72-1	Hexachloroethane	1700		94.9	170	220	ug/Kg
98-95-3	Nitrobenzene	2100		97	170	220	ug/Kg
78-59-1	Isophorone	1700		87.8	170	220	ug/Kg
88-75-5	2-Nitrophenol	1800		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		140	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		99.9	170	220	ug/Kg
65-85-0	Benzoic acid	1700		280	350	430	ug/Kg
91-20-3	Naphthalene	4800	E	100	170	220	ug/Kg
106-47-8	4-Chloroaniline	300		140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	1700		110	170	220	ug/Kg
105-60-2	Caprolactam	2100		150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	7900	E	120	170	220	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:	SB32-2-20231222-7.5-8.5MS	SDG No.:	BF010424
Lab Sample ID:	O6017-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
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
BF136947.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2100		270	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		99.4	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		110	170	220	ug/Kg
92-52-4	1,1-Biphenyl	1800		120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	1600		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	1700		130	170	220	ug/Kg
131-11-3	Dimethylphthalate	1600		110	170	220	ug/Kg
208-96-8	Acenaphthylene	1800		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		120	170	220	ug/Kg
99-09-2	3-Nitroaniline	1000		120	170	220	ug/Kg
83-32-9	Acenaphthene	2000		100	170	220	ug/Kg
Total PAH	Total PAH	39400		1830	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		230	350	430	ug/Kg
100-02-7	4-Nitrophenol	2900		150	350	430	ug/Kg
132-64-9	Dibenzofuran	1900		99.2	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		130	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		250	170	440	ug/Kg
84-66-2	Diethylphthalate	1700		110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		120	170	220	ug/Kg
86-73-7	Fluorene	2100		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	1300		130	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		110	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		120	170	220	ug/Kg
103-33-3	Azobenzene	1600		94.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	1700		130	170	220	ug/Kg
1912-24-9	Atrazine	2200		120	170	220	ug/Kg
87-86-5	Pentachlorophenol	2900		140	350	430	ug/Kg
85-01-8	Phenanthrene	3500	E	120	170	220	ug/Kg
120-12-7	Anthracene	2200		130	170	220	ug/Kg
86-74-8	Carbazole	1800		110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	1800		130	170	220	ug/Kg
206-44-0	Fluoranthene	3300		120	170	220	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:	SB32-2-20231222-7.5-8.5MS	SDG No.:	BF010424
Lab Sample ID:	O6017-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
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
BF136947.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	350	430	ug/Kg
129-00-0	Pyrene	2700		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	1800		130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	2400		110	170	220	ug/Kg
218-01-9	Chrysene	2200		110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	2300		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		120	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		120	170	220	ug/Kg
123-91-1	1,4-Dioxane	1500		150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	4700	E	120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.198		18-112		59	SPK: -150
13127-88-3	Phenol-d6	84.442		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	57.156		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	58.043		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.628		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	54.084		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52056	6.787				
1146-65-2	Naphthalene-d8	184040	8.069				
15067-26-2	Acenaphthene-d10	100792	9.816				
1517-22-2	Phenanthrene-d10	186675	11.31				
1719-03-5	Chrysene-d12	115127	13.968				
1520-96-3	Perylene-d12	127289	15.451				



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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:	SB32-2-20231222-7.5-8.5MS	SDG No.:	BF010424
Lab Sample ID:	O6017-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
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
BF136947.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	SB32-2-20231222-7.5-8.5MSD	SDG No.:	BF010424
Lab Sample ID:	O6017-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
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
BF136948.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		99.7	350	430	ug/Kg
110-86-1	Pyridine	1500		93.4	170	220	ug/Kg
100-52-7	Benzaldehyde	870		190	350	430	ug/Kg
62-53-3	Aniline	480		150	170	220	ug/Kg
108-95-2	Phenol	1700		96	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		120	170	220	ug/Kg
95-57-8	2-Chlorophenol	1800		92.9	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	1700		130	350	430	ug/Kg
95-48-7	2-Methylphenol	1700		150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		140	170	220	ug/Kg
98-86-2	Acetophenone	1800		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	1800		140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		76.1	100	100	ug/Kg
67-72-1	Hexachloroethane	1900		94.9	170	220	ug/Kg
98-95-3	Nitrobenzene	2200		97	170	220	ug/Kg
78-59-1	Isophorone	1900		87.8	170	220	ug/Kg
88-75-5	2-Nitrophenol	2000		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		140	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	2100		100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		100	170	220	ug/Kg
65-85-0	Benzoic acid	1800		280	350	430	ug/Kg
91-20-3	Naphthalene	5200	E	100	170	220	ug/Kg
106-47-8	4-Chloroaniline	290		140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	1800		110	170	220	ug/Kg
105-60-2	Caprolactam	2100		150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	8500	E	120	170	220	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:	SB32-2-20231222-7.5-8.5MSD	SDG No.:	BF010424
Lab Sample ID:	O6017-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
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
BF136948.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2200		270	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		99.4	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		110	170	220	ug/Kg
92-52-4	1,1-Biphenyl	1900		120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	1800		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	1900		130	170	220	ug/Kg
131-11-3	Dimethylphthalate	1800		110	170	220	ug/Kg
208-96-8	Acenaphthylene	2000		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		120	170	220	ug/Kg
99-09-2	3-Nitroaniline	1100		120	170	220	ug/Kg
83-32-9	Acenaphthene	2200		100	170	220	ug/Kg
Total PAH	Total PAH	41900		1830	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	2800		230	350	430	ug/Kg
100-02-7	4-Nitrophenol	3200		150	350	430	ug/Kg
132-64-9	Dibenzofuran	2100		99.2	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		250	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		130	170	220	ug/Kg
84-66-2	Diethylphthalate	1800		110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		120	170	220	ug/Kg
86-73-7	Fluorene	2200		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	1300		130	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		110	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		120	170	220	ug/Kg
103-33-3	Azobenzene	1700		94.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	1800		130	170	220	ug/Kg
1912-24-9	Atrazine	2400		120	170	220	ug/Kg
87-86-5	Pentachlorophenol	3200		140	350	430	ug/Kg
85-01-8	Phenanthrene	3800	E	120	170	220	ug/Kg
120-12-7	Anthracene	2400		130	170	220	ug/Kg
86-74-8	Carbazole	1900		110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	2000		130	170	220	ug/Kg
206-44-0	Fluoranthene	3500	E	120	170	220	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:	SB32-2-20231222-7.5-8.5MSD	SDG No.:	BF010424
Lab Sample ID:	O6017-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
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
BF136948.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	350	430	ug/Kg
129-00-0	Pyrene	2900		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	2000		130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	2700		110	170	220	ug/Kg
218-01-9	Chrysene	2400		110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2300		150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	2400		160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	2400		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		120	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		120	170	220	ug/Kg
123-91-1	1,4-Dioxane	1700		150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	5100	E	120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.689		18-112		64	SPK: -150
13127-88-3	Phenol-d6	90.987		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	62.899		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	63.151		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	91.674		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	58.741		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53007	6.787				
1146-65-2	Naphthalene-d8	188405	8.069				
15067-26-2	Acenaphthene-d10	102081	9.816				
1517-22-2	Phenanthrene-d10	188528	11.31				
1719-03-5	Chrysene-d12	114413	13.968				
1520-96-3	Perylene-d12	136752	15.457				



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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:	SB32-2-20231222-7.5-8.5MSD	SDG No.:	BF010424
Lab Sample ID:	O6017-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.7
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136948.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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:	SB32-2-20231222-7.5-8.5-A	SDG No.:	BF010424
Lab Sample ID:	O6017-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24
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
BF136949.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	350	430	ug/Kg
110-86-1	Pyridine	95	U	95	170	220	ug/Kg
100-52-7	Benzaldehyde	190	U	190	350	430	ug/Kg
62-53-3	Aniline	150	U	150	170	220	ug/Kg
108-95-2	Phenol	97.6	U	97.6	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	170	220	ug/Kg
95-57-8	2-Chlorophenol	94.5	U	94.5	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	350	430	ug/Kg
95-48-7	2-Methylphenol	150	U	150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	240	J	140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	77.4	U	77.4	100	100	ug/Kg
67-72-1	Hexachloroethane	96.6	U	96.6	170	220	ug/Kg
98-95-3	Nitrobenzene	98.7	U	98.7	170	220	ug/Kg
78-59-1	Isophorone	89.4	U	89.4	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	170	220	ug/Kg
65-85-0	Benzoic acid	280	U	280	350	430	ug/Kg
91-20-3	Naphthalene	520		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	150	U	150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	780		120	170	220	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:	SB32-2-20231222-7.5-8.5-A	SDG No.:	BF010424
Lab Sample ID:	O6017-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24
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
BF136949.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	280	U	280	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	170	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	220	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	170	220	ug/Kg
208-96-8	Acenaphthylene	120	U	120	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	220	ug/Kg
Total PAH	Total PAH	1890	U	1890	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	100	U	100	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	170	220	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	170	220	ug/Kg
103-33-3	Azobenzene	96.5	U	96.5	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	170	220	ug/Kg
1912-24-9	Atrazine	130	U	130	170	220	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	350	430	ug/Kg
85-01-8	Phenanthrene	250		120	170	220	ug/Kg
120-12-7	Anthracene	130	U	130	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	170	220	ug/Kg
206-44-0	Fluoranthene	250		120	170	220	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:	SB32-2-20231222-7.5-8.5-A	SDG No.:	BF010424
Lab Sample ID:	O6017-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24
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
BF136949.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	350	430	ug/Kg
129-00-0	Pyrene	190	J	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	110	170	220	ug/Kg
218-01-9	Chrysene	150	J	110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	350		120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.726		18-112		63	SPK: -150
13127-88-3	Phenol-d6	89.052		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	60.176		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	60.81		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.485		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	48.172		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49540	6.781				
1146-65-2	Naphthalene-d8	184048	8.057				
15067-26-2	Acenaphthene-d10	92300	9.816				
1517-22-2	Phenanthrene-d10	173021	11.31				
1719-03-5	Chrysene-d12	113002	13.963				
1520-96-3	Perylene-d12	128142	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:	SB32-2-20231222-7.5-8.5-A	SDG No.:	BF010424
Lab Sample ID:	O6017-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24
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
BF136949.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000589-81-1	Heptane, 3-methyl-	330	J			3.951	
002216-30-0	Heptane, 2,5-dimethyl-	330	J			4.928	
001072-05-5	Heptane, 2,6-dimethyl-	420	J			5.31	
000103-65-1	Benzene, propyl-	810	J			6.245	
062108-22-9	Decane, 2,5,9-trimethyl-	540	J			6.275	
000871-83-0	Nonane, 2-methyl-	440	J			6.31	
005911-04-6	Nonane, 3-methyl-	380	J			6.369	
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)	340	J			6.857	
000496-11-7	Indane	930	J			6.957	
000135-01-3	Benzene, 1,2-diethyl-	540	J			7.028	
036231-13-7	1,2,3,4,5,8-Hexahydronaphthalene	560	J			7.098	
001002-43-3	Undecane, 3-methyl-	390	J			7.116	
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	420	J			7.545	
000767-58-8	Indan, 1-methyl-	470	J			7.728	
000824-90-8	1-Phenyl-1-butene	740	J			7.792	
033675-75-1	Phenol, 3-(2-phenylethyl)-	310	J			11.422	
000057-10-3	n-Hexadecanoic acid	550	J			11.845	
000483-65-8	Retene	380	J			13.039	
	unknown17.392	1000	J			17.392	

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:	MR-322-4-6	SDG No.:	BF010424
Lab Sample ID:	O6016-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
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
BF136950.D	1	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	89.9	U	89.9	310	380	ug/Kg
110-86-1	Pyridine	84.2	U	84.2	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	86.5	U	86.5	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	83.7	U	83.7	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	95	U	95	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.8	U	95.8	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	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68.6	U	68.6	93.1	93.1	ug/Kg
67-72-1	Hexachloroethane	85.6	U	85.6	150	200	ug/Kg
98-95-3	Nitrobenzene	87.5	U	87.5	150	200	ug/Kg
78-59-1	Isophorone	79.2	U	79.2	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	90.8	U	90.8	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.1	U	90.1	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	310	380	ug/Kg
91-20-3	Naphthalene	94.7	U	94.7	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.7	U	97.7	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96	U	96	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	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:	MR-322-4-6	SDG No.:	BF010424
Lab Sample ID:	O6016-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136950.D	1	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

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	89.7	U	89.7	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	98.4	U	98.4	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	100	U	100	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	93.4	U	93.4	150	200	ug/Kg
Total PAH	Total PAH	1665.1	U	1665.1	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	89.4	U	89.4	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	99.9	U	99.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	98.6	U	98.6	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	85.5	U	85.5	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	98.8	U	98.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/22/2023 12:00:00 AM
Project:		Date Received:	12/22/2023 12:00:00 AM
Client Sample ID:	MR-322-4-6	SDG No.:	BF010424
Lab Sample ID:	O6016-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136950.D	1	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

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	97.4	U	97.4	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	97.6	U	97.6	150	200	ug/Kg
218-01-9	Chrysene	100	U	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	93.4	U	93.4	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.4	U	96.4	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.489		18-112		58	SPK: -150
13127-88-3	Phenol-d6	84.179		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	58.207		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	62.619		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.004		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	52.366		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50274	6.781				
1146-65-2	Naphthalene-d8	188020	8.057				
15067-26-2	Acenaphthene-d10	95717	9.816				
1517-22-2	Phenanthrene-d10	175916	11.31				
1719-03-5	Chrysene-d12	117555	13.963				
1520-96-3	Perylene-d12	133428	15.451				



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

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:	MR-322-4-6	SDG No.:	BF010424
Lab Sample ID:	O6016-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136950.D	1	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	250	J			11.839	
	unknown	13.474	J			13.474	
015594-90-8	1-Heneicosanol	180	J			13.857	

Report of Analysis

Client:		Date Collected:	12/26/2023 12:00:00 AM
Project:		Date Received:	12/26/2023 12:00:00 AM
Client Sample ID:	MR-321-0-2	SDG No.:	BF010424
Lab Sample ID:	O6031-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
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
BF136951.D	1	12/28/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158126

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.5	U	90.5	320	390	ug/Kg
110-86-1	Pyridine	84.8	U	84.8	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	87.1	U	87.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.3	U	84.3	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	95.7	U	95.7	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.5	U	96.5	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	69.1	U	69.1	93.7	93.7	ug/Kg
67-72-1	Hexachloroethane	86.2	U	86.2	150	200	ug/Kg
98-95-3	Nitrobenzene	88.1	U	88.1	150	200	ug/Kg
78-59-1	Isophorone	79.8	U	79.8	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	91.5	U	91.5	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.8	U	90.8	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	95.3	U	95.3	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.4	U	98.4	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.6	U	96.6	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/26/2023 12:00:00 AM
Project:		Date Received:	12/26/2023 12:00:00 AM
Client Sample ID:	MR-321-0-2	SDG No.:	BF010424
Lab Sample ID:	O6031-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
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
BF136951.D	1	12/28/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158126

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	90.3	U	90.3	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	99.1	U	99.1	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	94.1	U	94.1	150	200	ug/Kg
Total PAH	Total PAH	1679.1	U	1679.1	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	90.1	U	90.1	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	99.3	U	99.3	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	86.1	U	86.1	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	110	J	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	99.4	U	99.4	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	220		110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/26/2023 12:00:00 AM
Project:		Date Received:	12/26/2023 12:00:00 AM
Client Sample ID:	MR-321-0-2	SDG No.:	BF010424
Lab Sample ID:	O6031-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
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
BF136951.D	1	12/28/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158126

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	160	J	98	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	150	J	98.3	150	200	ug/Kg
218-01-9	Chrysene	160	J	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	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	94.1	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	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	97.1	U	97.1	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.392		18-112		53	SPK: -150
13127-88-3	Phenol-d6	77.731		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	54.057		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	56.782		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	77.61		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	44.684		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51235	6.781				
1146-65-2	Naphthalene-d8	188427	8.057				
15067-26-2	Acenaphthene-d10	91992	9.816				
1517-22-2	Phenanthrene-d10	174147	11.31				
1719-03-5	Chrysene-d12	117872	13.963				
1520-96-3	Perylene-d12	135328	15.451				



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

Report of Analysis

Client:		Date Collected:	12/26/2023 12:00:00 AM
Project:		Date Received:	12/26/2023 12:00:00 AM
Client Sample ID:	MR-321-0-2	SDG No.:	BF010424
Lab Sample ID:	O6031-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.8
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
BF136951.D	1	12/28/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158126

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	A			5.004	
000057-10-3	n-Hexadecanoic acid	220	J			11.839	
351064-45-4	Acetic acid, 2-[5-(4-nitrophenyl)-	110	J			14.492	
000111-02-4	Squalene	110	J			14.815	
000198-55-0	Perylene	99.2	J			15.321	

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-2.0-2.5	SDG No.:	BF010424
Lab Sample ID:	O6045-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136952.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	84.8	U	84.8	300	360	ug/Kg
110-86-1	Pyridine	79.4	U	79.4	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	300	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	81.6	U	81.6	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	98.5	U	98.5	140	190	ug/Kg
95-57-8	2-Chlorophenol	79	U	79	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.6	U	89.6	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.1	U	97.1	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.4	U	90.4	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	360	ug/Kg
95-48-7	2-Methylphenol	130	U	130	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	140	190	ug/Kg
98-86-2	Acetophenone	95.1	U	95.1	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.7	U	64.7	87.8	87.8	ug/Kg
67-72-1	Hexachloroethane	80.7	U	80.7	140	190	ug/Kg
98-95-3	Nitrobenzene	82.5	U	82.5	140	190	ug/Kg
78-59-1	Isophorone	74.7	U	74.7	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.7	U	85.7	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85	U	85	140	190	ug/Kg
65-85-0	Benzoic acid	230	U	230	300	360	ug/Kg
91-20-3	Naphthalene	89.3	U	89.3	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.1	U	92.1	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.5	U	90.5	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-2.0-2.5	SDG No.:	BF010424
Lab Sample ID:	O6045-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136952.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84.6	U	84.6	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96.4	U	96.4	140	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.8	U	92.8	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	97.5	U	97.5	140	190	ug/Kg
208-96-8	Acenaphthylene	97	U	97	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	98.7	U	98.7	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	88.1	U	88.1	140	190	ug/Kg
Total PAH	Total PAH	4400	U	1571.1	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	208.7	U	208.7	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	94.2	U	94.2	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.2	U	99.2	140	190	ug/Kg
86-73-7	Fluorene	93	U	93	140	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	96.3	U	96.3	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	80.6	U	80.6	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	360	ug/Kg
85-01-8	Phenanthrene	610		100	140	190	ug/Kg
120-12-7	Anthracene	110	U	110	140	190	ug/Kg
86-74-8	Carbazole	93.1	U	93.1	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	190	ug/Kg
206-44-0	Fluoranthene	930		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-2.0-2.5	SDG No.:	BF010424
Lab Sample ID:	O6045-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136952.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	300	360	ug/Kg
129-00-0	Pyrene	660		91.8	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	420		92	140	190	ug/Kg
218-01-9	Chrysene	430		95.2	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	460		88.1	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	J	96.6	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	360		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	200		100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.1	U	98.1	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.9	U	90.9	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	98.9	U	98.9	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.274		18-112		45	SPK: -150
13127-88-3	Phenol-d6	65.24		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	45.067		18-107		45	SPK: -100
321-60-8	2-Fluorobiphenyl	48.686		20-109		49	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.078		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	41.313		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45018	6.781				
1146-65-2	Naphthalene-d8	166377	8.057				
15067-26-2	Acenaphthene-d10	83372	9.816				
1517-22-2	Phenanthrene-d10	155281	11.31				
1719-03-5	Chrysene-d12	108453	13.963				
1520-96-3	Perylene-d12	124527	15.451				

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-2.0-2.5	SDG No.:	BF010424
Lab Sample ID:	O6045-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136952.D	1	1/2/2024 12:00:00 AM	1/4/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			4.999	
002531-84-2	Phenanthrene, 2-methyl-	84.5	J			11.81	
000613-12-7	Anthracene, 2-methyl-	320	J			11.839	
000832-69-9	Phenanthrene, 1-methyl-	130	J			11.922	
000192-97-2	Benzo[e]pyrene	81.2	J			15.121	
000198-55-0	Perylene	280	J			15.321	
000112-95-8	Eicosane	80.4	J			15.921	
	unknown18.045	83.4	J			18.045	

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	GHL-SS-31DL	SDG No.:	BF010424
Lab Sample ID:	O5897-06DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21
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
BF136953.D	2	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	200	U	200	680	830	ug/Kg
110-86-1	Pyridine	180	U	180	330	430	ug/Kg
100-52-7	Benzaldehyde	370	U	370	680	830	ug/Kg
62-53-3	Aniline	300	U	300	330	430	ug/Kg
108-95-2	Phenol	190	U	190	330	430	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	U	230	330	430	ug/Kg
95-57-8	2-Chlorophenol	180	U	180	330	430	ug/Kg
95-50-1	1,2-Dichlorobenzene	210	U	210	330	430	ug/Kg
541-73-1	1,3-Dichlorobenzene	220	U	220	330	430	ug/Kg
106-46-7	1,4-Dichlorobenzene	210	U	210	330	430	ug/Kg
100-51-6	Benzyl Alcohol	250	U	250	680	830	ug/Kg
95-48-7	2-Methylphenol	290	U	290	330	430	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	270	330	430	ug/Kg
98-86-2	Acetophenone	220	U	220	330	430	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	270	680	830	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	150	200	200	ug/Kg
67-72-1	Hexachloroethane	190	U	190	330	430	ug/Kg
98-95-3	Nitrobenzene	190	U	190	330	430	ug/Kg
78-59-1	Isophorone	170	U	170	330	430	ug/Kg
88-75-5	2-Nitrophenol	240	U	240	330	430	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	250	330	430	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	330	430	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	200	330	430	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	200	U	200	330	430	ug/Kg
65-85-0	Benzoic acid	540	U	540	680	830	ug/Kg
91-20-3	Naphthalene	210	U	210	330	430	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	330	430	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	210	330	430	ug/Kg
105-60-2	Caprolactam	300	U	300	680	830	ug/Kg
59-50-7	4-Chloro-3-methylphenol	210	U	210	330	430	ug/Kg
91-57-6	2-Methylnaphthalene	240	U	240	330	430	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	GHL-SS-31DL	SDG No.:	BF010424
Lab Sample ID:	O5897-06DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21
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
BF136953.D	2	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	530	U	530	680	830	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	190	330	430	ug/Kg
95-95-4	2,4,5-Trichlorophenol	220	U	220	330	430	ug/Kg
92-52-4	1,1-Biphenyl	230	U	230	330	430	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	210	330	430	ug/Kg
88-74-4	2-Nitroaniline	250	U	250	330	430	ug/Kg
131-11-3	Dimethylphthalate	220	U	220	330	430	ug/Kg
208-96-8	Acenaphthylene	220	U	220	330	430	ug/Kg
606-20-2	2,6-Dinitrotoluene	230	U	230	330	430	ug/Kg
99-09-2	3-Nitroaniline	240	U	240	330	430	ug/Kg
83-32-9	Acenaphthene	200	U	200	330	430	ug/Kg
Total PAH	Total PAH	6120	JD	3610	330	6880	ug/Kg
51-28-5	2,4-Dinitrophenol	450	U	450	680	830	ug/Kg
100-02-7	4-Nitrophenol	290	U	290	680	830	ug/Kg
132-64-9	Dibenzofuran	230	JD	190	330	430	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	250	330	430	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	480	U	480	330	860	ug/Kg
84-66-2	Diethylphthalate	220	U	220	330	430	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	U	230	330	430	ug/Kg
86-73-7	Fluorene	450	D	210	330	430	ug/Kg
100-01-6	4-Nitroaniline	260	U	260	330	430	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	220	U	220	680	830	ug/Kg
86-30-6	n-Nitrosodiphenylamine	240	U	240	330	430	ug/Kg
103-33-3	Azobenzene	190	U	190	330	430	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	330	430	ug/Kg
118-74-1	Hexachlorobenzene	250	U	250	330	430	ug/Kg
1912-24-9	Atrazine	240	U	240	330	430	ug/Kg
87-86-5	Pentachlorophenol	280	U	280	680	830	ug/Kg
85-01-8	Phenanthrene	1100	D	230	330	430	ug/Kg
120-12-7	Anthracene	3500	D	260	330	430	ug/Kg
86-74-8	Carbazole	1300	D	210	330	430	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	330	430	ug/Kg
206-44-0	Fluoranthene	510	D	240	330	430	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	GHL-SS-31DL	SDG No.:	BF010424
Lab Sample ID:	O5897-06DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21
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
BF136953.D	2	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	490	U	490	680	830	ug/Kg
129-00-0	Pyrene	320	JD	210	330	430	ug/Kg
85-68-7	Butylbenzylphthalate	260	U	260	330	430	ug/Kg
91-94-1	3,3-Dichlorobenzidine	410	U	410	680	830	ug/Kg
56-55-3	Benzo(a)anthracene	210	U	210	330	430	ug/Kg
218-01-9	Chrysene	240	JD	220	330	430	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	330	430	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	310	680	830	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	U	200	330	430	ug/Kg
207-08-9	Benzo(k)fluoranthene	220	U	220	330	430	ug/Kg
50-32-8	Benzo(a)pyrene	240	U	240	330	430	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	270	330	430	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	240	U	240	330	430	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	230	330	430	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	230	330	430	ug/Kg
123-91-1	1,4-Dioxane	300	U	300	330	430	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	210	330	430	ug/Kg
90-12-0	1-Methylnaphthalene	230	U	230	430	430	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.134		18-112		69	SPK: -150
13127-88-3	Phenol-d6	99.41		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	65.924		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	69.058		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	98.836		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	58.86		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45938	6.781				
1146-65-2	Naphthalene-d8	175935	8.057				
15067-26-2	Acenaphthene-d10	89304	9.816				
1517-22-2	Phenanthrene-d10	169795	11.31				
1719-03-5	Chrysene-d12	113831	13.963				
1520-96-3	Perylene-d12	125886	15.451				



Report of Analysis

Client:		Date Collected:	12/11/2023 12:00:00 AM
Project:		Date Received:	12/11/2023 12:00:00 AM
Client Sample ID:	GHL-SS-31DL	SDG No.:	BF010424
Lab Sample ID:	O5897-06DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21
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
BF136953.D	2	12/20/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB157949

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

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	GHL-SS-18-0-2DL	SDG No.:	BF010424
Lab Sample ID:	O5899-21DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.3
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
BF136954.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	970	U	970	3400	4100	ug/Kg
110-86-1	Pyridine	910	U	910	1600	2100	ug/Kg
100-52-7	Benzaldehyde	1900	U	1900	3400	4100	ug/Kg
62-53-3	Aniline	1500	U	1500	1600	2100	ug/Kg
108-95-2	Phenol	930	U	930	1600	2100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100	U	1100	1600	2100	ug/Kg
95-57-8	2-Chlorophenol	900	U	900	1600	2100	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000	U	1000	1600	2100	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100	U	1100	1600	2100	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000	U	1000	1600	2100	ug/Kg
100-51-6	Benzyl Alcohol	1200	U	1200	3400	4100	ug/Kg
95-48-7	2-Methylphenol	1400	U	1400	1600	2100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300	U	1300	1600	2100	ug/Kg
98-86-2	Acetophenone	1100	U	1100	1600	2100	ug/Kg
65794-96-9	3+4-Methylphenols	1400	U	1400	3400	4100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	740	U	740	1000	1000	ug/Kg
67-72-1	Hexachloroethane	920	U	920	1600	2100	ug/Kg
98-95-3	Nitrobenzene	940	U	940	1600	2100	ug/Kg
78-59-1	Isophorone	850	U	850	1600	2100	ug/Kg
88-75-5	2-Nitrophenol	1200	U	1200	1600	2100	ug/Kg
105-67-9	2,4-Dimethylphenol	1200	U	1200	1600	2100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400	U	1400	1600	2100	ug/Kg
120-83-2	2,4-Dichlorophenol	980	U	980	1600	2100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970	U	970	1600	2100	ug/Kg
65-85-0	Benzoic acid	2700	U	2700	3400	4100	ug/Kg
91-20-3	Naphthalene	8700	D	1000	1600	2100	ug/Kg
106-47-8	4-Chloroaniline	1300	U	1300	1600	2100	ug/Kg
87-68-3	Hexachlorobutadiene	1100	U	1100	1600	2100	ug/Kg
105-60-2	Caprolactam	1500	U	1500	3400	4100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000	U	1000	1600	2100	ug/Kg
91-57-6	2-Methylnaphthalene	7400	D	1200	1600	2100	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:	GHL-SS-18-0-2DL	SDG No.:	BF010424
Lab Sample ID:	O5899-21DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.3
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
BF136954.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2600	U	2600	3400	4100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970	U	970	1600	2100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	U	1100	1600	2100	ug/Kg
92-52-4	1,1-Biphenyl	1200	JD	1100	1600	2100	ug/Kg
91-58-7	2-Chloronaphthalene	1100	U	1100	1600	2100	ug/Kg
88-74-4	2-Nitroaniline	1200	U	1200	1600	2100	ug/Kg
131-11-3	Dimethylphthalate	1100	U	1100	1600	2100	ug/Kg
208-96-8	Acenaphthylene	1100	U	1100	1600	2100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100	U	1100	1600	2100	ug/Kg
99-09-2	3-Nitroaniline	1200	U	1200	1600	2100	ug/Kg
83-32-9	Acenaphthene	5900	D	1000	1600	2100	ug/Kg
Total PAH	Total PAH	350500	D	18100	1600	33600	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	U	2300	3400	4100	ug/Kg
100-02-7	4-Nitrophenol	1400	U	1400	3400	4100	ug/Kg
132-64-9	Dibenzofuran	10100	D	960	1600	2100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400	U	2400	1600	4200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300	U	1300	1600	2100	ug/Kg
84-66-2	Diethylphthalate	1100	U	1100	1600	2100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	U	1100	1600	2100	ug/Kg
86-73-7	Fluorene	25000	D	1100	1600	2100	ug/Kg
100-01-6	4-Nitroaniline	1300	U	1300	1600	2100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	1100	3400	4100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200	U	1200	1600	2100	ug/Kg
103-33-3	Azobenzene	920	U	920	1600	2100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200	U	1200	1600	2100	ug/Kg
118-74-1	Hexachlorobenzene	1200	U	1200	1600	2100	ug/Kg
1912-24-9	Atrazine	1200	U	1200	1600	2100	ug/Kg
87-86-5	Pentachlorophenol	1400	U	1400	3400	4100	ug/Kg
85-01-8	Phenanthrene	49200	ED	1200	1600	2100	ug/Kg
120-12-7	Anthracene	190300	ED	1300	1600	2100	ug/Kg
86-74-8	Carbazole	83400	ED	1100	1600	2100	ug/Kg
84-74-2	Di-n-butylphthalate	1300	U	1300	1600	2100	ug/Kg
206-44-0	Fluoranthene	25800	D	1200	1600	2100	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:	GHL-SS-18-0-2DL	SDG No.:	BF010424
Lab Sample ID:	O5899-21DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.3
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
BF136954.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2400	U	2400	3400	4100	ug/Kg
129-00-0	Pyrene	15100	D	1000	1600	2100	ug/Kg
85-68-7	Butylbenzylphthalate	1300	U	1300	1600	2100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000	U	2000	3400	4100	ug/Kg
56-55-3	Benzo(a)anthracene	7700	D	1100	1600	2100	ug/Kg
218-01-9	Chrysene	9700	D	1100	1600	2100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	18800	D	1400	1600	2100	ug/Kg
117-84-0	Di-n-octyl phthalate	1500	U	1500	3400	4100	ug/Kg
205-99-2	Benzo(b)fluoranthene	5400	D	1000	1600	2100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900	JD	1100	1600	2100	ug/Kg
50-32-8	Benzo(a)pyrene	3300	D	1200	1600	2100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300	JD	1300	1600	2100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200	U	1200	1600	2100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200	JD	1200	1600	2100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100	U	1100	1600	2100	ug/Kg
123-91-1	1,4-Dioxane	1500	U	1500	1600	2100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000	U	1000	1600	2100	ug/Kg
90-12-0	1-Methylnaphthalene	1100	U	1100	2100	2100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.32		18-112		64	SPK: -150
13127-88-3	Phenol-d6	88.99		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	61.51		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	72.86		20-109		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.74		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	62.81		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38794	6.781				
1146-65-2	Naphthalene-d8	149996	8.057				
15067-26-2	Acenaphthene-d10	78095	9.816				
1517-22-2	Phenanthrene-d10	145461	11.31				
1719-03-5	Chrysene-d12	97397	13.968				
1520-96-3	Perylene-d12	105857	15.451				



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:	GHL-SS-18-0-2DL	SDG No.:	BF010424
Lab Sample ID:	O5899-21DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.3
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
BF136954.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

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:	GHL-SS-18-2-4DL	SDG No.:	BF010424
Lab Sample ID:	O5899-22DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.4
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
BF136955.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	970	U	970	3400	4100	ug/Kg
110-86-1	Pyridine	910	U	910	1600	2100	ug/Kg
100-52-7	Benzaldehyde	1900	U	1900	3400	4100	ug/Kg
62-53-3	Aniline	1500	U	1500	1600	2100	ug/Kg
108-95-2	Phenol	930	U	930	1600	2100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100	U	1100	1600	2100	ug/Kg
95-57-8	2-Chlorophenol	900	U	900	1600	2100	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000	U	1000	1600	2100	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100	U	1100	1600	2100	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000	U	1000	1600	2100	ug/Kg
100-51-6	Benzyl Alcohol	1200	U	1200	3400	4100	ug/Kg
95-48-7	2-Methylphenol	1400	U	1400	1600	2100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300	U	1300	1600	2100	ug/Kg
98-86-2	Acetophenone	1100	U	1100	1600	2100	ug/Kg
65794-96-9	3+4-Methylphenols	1400	U	1400	3400	4100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	740	U	740	1000	1000	ug/Kg
67-72-1	Hexachloroethane	920	U	920	1600	2100	ug/Kg
98-95-3	Nitrobenzene	940	U	940	1600	2100	ug/Kg
78-59-1	Isophorone	850	U	850	1600	2100	ug/Kg
88-75-5	2-Nitrophenol	1200	U	1200	1600	2100	ug/Kg
105-67-9	2,4-Dimethylphenol	1200	U	1200	1600	2100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400	U	1400	1600	2100	ug/Kg
120-83-2	2,4-Dichlorophenol	980	U	980	1600	2100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970	U	970	1600	2100	ug/Kg
65-85-0	Benzoic acid	2700	U	2700	3400	4100	ug/Kg
91-20-3	Naphthalene	14700	D	1000	1600	2100	ug/Kg
106-47-8	4-Chloroaniline	1300	U	1300	1600	2100	ug/Kg
87-68-3	Hexachlorobutadiene	1100	U	1100	1600	2100	ug/Kg
105-60-2	Caprolactam	1500	U	1500	3400	4100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000	U	1000	1600	2100	ug/Kg
91-57-6	2-Methylnaphthalene	11900	D	1200	1600	2100	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:	GHL-SS-18-2-4DL	SDG No.:	BF010424
Lab Sample ID:	O5899-22DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.4
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
BF136955.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2600	U	2600	3400	4100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970	U	970	1600	2100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	U	1100	1600	2100	ug/Kg
92-52-4	1,1-Biphenyl	2100	D	1100	1600	2100	ug/Kg
91-58-7	2-Chloronaphthalene	1100	U	1100	1600	2100	ug/Kg
88-74-4	2-Nitroaniline	1200	U	1200	1600	2100	ug/Kg
131-11-3	Dimethylphthalate	1100	U	1100	1600	2100	ug/Kg
208-96-8	Acenaphthylene	1100	U	1100	1600	2100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100	U	1100	1600	2100	ug/Kg
99-09-2	3-Nitroaniline	1200	U	1200	1600	2100	ug/Kg
83-32-9	Acenaphthene	4900	D	1000	1600	2100	ug/Kg
Total PAH	Total PAH	484900	D	18100	1600	33600	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	U	2300	3400	4100	ug/Kg
100-02-7	4-Nitrophenol	1400	U	1400	3400	4100	ug/Kg
132-64-9	Dibenzofuran	14700	D	960	1600	2100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400	U	2400	1600	4200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300	U	1300	1600	2100	ug/Kg
84-66-2	Diethylphthalate	1100	U	1100	1600	2100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	U	1100	1600	2100	ug/Kg
86-73-7	Fluorene	39200	ED	1100	1600	2100	ug/Kg
100-01-6	4-Nitroaniline	1300	U	1300	1600	2100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	1100	3400	4100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200	U	1200	1600	2100	ug/Kg
103-33-3	Azobenzene	920	U	920	1600	2100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200	U	1200	1600	2100	ug/Kg
118-74-1	Hexachlorobenzene	1200	U	1200	1600	2100	ug/Kg
1912-24-9	Atrazine	1200	U	1200	1600	2100	ug/Kg
87-86-5	Pentachlorophenol	1400	U	1400	3400	4100	ug/Kg
85-01-8	Phenanthrene	67700	ED	1200	1600	2100	ug/Kg
120-12-7	Anthracene	283800	ED	1300	1600	2100	ug/Kg
86-74-8	Carbazole	139400	ED	1100	1600	2100	ug/Kg
84-74-2	Di-n-butylphthalate	1300	U	1300	1600	2100	ug/Kg
206-44-0	Fluoranthene	28400	D	1200	1600	2100	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:	GHL-SS-18-2-4DL	SDG No.:	BF010424
Lab Sample ID:	O5899-22DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.4
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
BF136955.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2400	U	2400	3400	4100	ug/Kg
129-00-0	Pyrene	15400	D	1000	1600	2100	ug/Kg
85-68-7	Butylbenzylphthalate	1300	U	1300	1600	2100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000	U	2000	3400	4100	ug/Kg
56-55-3	Benzo(a)anthracene	7700	D	1100	1600	2100	ug/Kg
218-01-9	Chrysene	13800	D	1100	1600	2100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2600	D	1400	1600	2100	ug/Kg
117-84-0	Di-n-octyl phthalate	1500	U	1500	3400	4100	ug/Kg
205-99-2	Benzo(b)fluoranthene	4800	D	1000	1600	2100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600	JD	1100	1600	2100	ug/Kg
50-32-8	Benzo(a)pyrene	2900	D	1200	1600	2100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300	U	1300	1600	2100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200	U	1200	1600	2100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200	U	1200	1600	2100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100	U	1100	1600	2100	ug/Kg
123-91-1	1,4-Dioxane	1500	U	1500	1600	2100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000	U	1000	1600	2100	ug/Kg
90-12-0	1-Methylnaphthalene	1100	U	1100	2100	2100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.08		18-112		59	SPK: -150
13127-88-3	Phenol-d6	87.05		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	55.61		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	69.44		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.65		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	61.3		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	41978	6.781				
1146-65-2	Naphthalene-d8	160960	8.057				
15067-26-2	Acenaphthene-d10	81999	9.816				
1517-22-2	Phenanthrene-d10	152088	11.31				
1719-03-5	Chrysene-d12	105935	13.969				
1520-96-3	Perylene-d12	119762	15.451				



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

Report of Analysis

Client:		Date Collected:	12/13/2023 12:00:00 AM
Project:		Date Received:	12/13/2023 12:00:00 AM
Client Sample ID:	GHL-SS-18-2-4DL	SDG No.:	BF010424
Lab Sample ID:	O5899-22DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136955.D	10	12/24/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158053

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:	MR-323-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136956.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.1	U	92.1	320	390	ug/Kg
110-86-1	Pyridine	86.3	U	86.3	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	88.7	U	88.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	85.8	U	85.8	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	97.4	U	97.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.2	U	98.2	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	140	U	140	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.3	U	70.3	95.3	95.3	ug/Kg
67-72-1	Hexachloroethane	87.7	U	87.7	150	200	ug/Kg
98-95-3	Nitrobenzene	89.6	U	89.6	150	200	ug/Kg
78-59-1	Isophorone	81.2	U	81.2	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93.1	U	93.1	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.4	U	92.4	150	200	ug/Kg
65-85-0	Benzoic acid	260	U	260	320	390	ug/Kg
91-20-3	Naphthalene	97	U	97	150	200	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.3	U	98.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/21/2023 12:00:00 AM
Project:		Date Received:	12/21/2023 12:00:00 AM
Client Sample ID:	MR-323-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136956.D	1	12/23/2023 12:00:00 AM	1/4/2024 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	91.9	U	91.9	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	150	200	ug/Kg
208-96-8	Acenaphthylene	110	U	110	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	95.7	U	95.7	150	200	ug/Kg
Total PAH	Total PAH	3000	U	1708.1	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	390	ug/Kg
132-64-9	Dibenzofuran	91.6	U	91.6	150	200	ug/Kg
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	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	87.6	U	87.6	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	360		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	590		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:	MR-323-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136956.D	1	12/23/2023 12:00:00 AM	1/4/2024 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	350		99.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	280		100	150	200	ug/Kg
218-01-9	Chrysene	330		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	370		95.7	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	J	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	290		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	J	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	98.8	U	98.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.301		18-112		60	SPK: -150
13127-88-3	Phenol-d6	86.357		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	59.214		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	58.616		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.286		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	43.77		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47240	6.781				
1146-65-2	Naphthalene-d8	174029	8.057				
15067-26-2	Acenaphthene-d10	85849	9.816				
1517-22-2	Phenanthrene-d10	148136	11.31				
1719-03-5	Chrysene-d12	112410	13.968				
1520-96-3	Perylene-d12	127354	15.457				

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:	MR-323-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136956.D	1	12/23/2023 12:00:00 AM	1/4/2024 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-	95.3	A			5.004	
	unknown10.810	100	J			10.81	
006165-40-8	Pentadecane, 7-methyl-	93.7	J			10.916	
000057-10-3	n-Hexadecanoic acid	760	J			11.845	
1000397-51-4	butanoic acid, 2-ethyl-, 2-[(acety	100	J			12.245	
000544-76-3	Hexadecane	130	J			12.404	
000057-11-4	Octadecanoic acid	280	J			12.633	
000629-94-7	Heneicosane	100	J			13.133	
000646-31-1	Tetracosane	180	J			13.48	
	unknown13.762	130	J			13.762	
	unknown13.810	320	J			13.81	
000120-55-8	Diethylene glycol dibenzoate	780	J			13.839	
000629-78-7	Heptadecane	300	J			14.127	
000593-45-3	Octadecane	300	J			14.439	
	unknown14.598	98.1	J			14.598	
002882-96-4	Pentadecane, 3-methyl-	220	J			14.745	
000192-97-2	Benzo[e]pyrene	170	J			15.327	
006418-44-6	Heptadecane, 3-methyl-	180	J			15.921	
000629-92-5	Nonadecane	130	J			16.445	
000111-63-7	Octadecanoic acid, ethenyl ester	600	J			18.586	

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:	MR-323-6-8	SDG No.:	BF010424
Lab Sample ID:	O6015-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136957.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93.4	U	93.4	330	400	ug/Kg
110-86-1	Pyridine	87.4	U	87.4	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	89.9	U	89.9	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	87	U	87	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.7	U	98.7	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	99.5	U	99.5	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	71.3	U	71.3	96.6	96.6	ug/Kg
67-72-1	Hexachloroethane	88.9	U	88.9	160	210	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	160	210	ug/Kg
78-59-1	Isophorone	82.3	U	82.3	160	210	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	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	94.3	U	94.3	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.6	U	93.6	160	210	ug/Kg
65-85-0	Benzoic acid	260	U	260	330	400	ug/Kg
91-20-3	Naphthalene	98.3	U	98.3	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	99.6	U	99.6	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:	MR-323-6-8	SDG No.:	BF010424
Lab Sample ID:	O6015-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136957.D	1	12/23/2023 12:00:00 AM	1/4/2024 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	93.1	U	93.1	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	97	U	97	160	210	ug/Kg
Total PAH	Total PAH	2780	U	1722.3	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	92.9	U	92.9	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	ug/Kg
84-66-2	Diethylphthalate	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	88.8	U	88.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	210	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	330	400	ug/Kg
85-01-8	Phenanthrene	520		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	560		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:	MR-323-6-8	SDG No.:	BF010424
Lab Sample ID:	O6015-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136957.D	1	12/23/2023 12:00:00 AM	1/4/2024 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	390		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	310		100	160	210	ug/Kg
218-01-9	Chrysene	310		100	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	310		97	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	260		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	85.563		18-112		57	SPK: -150
13127-88-3	Phenol-d6	82.292		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	56.72		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	59.428		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.357		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	42.412		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46508	6.781				
1146-65-2	Naphthalene-d8	169108	8.057				
15067-26-2	Acenaphthene-d10	81792	9.816				
1517-22-2	Phenanthrene-d10	144430	11.31				
1719-03-5	Chrysene-d12	115157	13.969				
1520-96-3	Perylene-d12	112872	15.451				



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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:	MR-323-6-8	SDG No.:	BF010424
Lab Sample ID:	O6015-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136957.D	1	12/23/2023 12:00:00 AM	1/4/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown5.004	87	J			5.004	
002531-84-2	Phenanthrene, 2-methyl-	110	J			11.81	
000832-64-4	Phenanthrene, 4-methyl-	340	J			11.839	
	unknown11.922	190	J			11.922	
003674-66-6	Phenanthrene, 2,5-dimethyl-	95.8	J			12.363	
001576-67-6	Phenanthrene, 3,6-dimethyl-	84.1	J			12.398	
	unknown13.874	100	J			13.874	
000192-97-2	Benzo[e]pyrene	150	J			15.321	

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF010424
Lab Sample ID:	P1003-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136958.D	1	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53.5	U	53.5	190	230	ug/Kg
110-86-1	Pyridine	50.1	U	50.1	90	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	81	U	81	90	120	ug/Kg
108-95-2	Phenol	51.5	U	51.5	90	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.2	U	62.2	90	120	ug/Kg
95-57-8	2-Chlorophenol	49.9	U	49.9	90	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.6	U	56.6	90	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.3	U	61.3	90	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.1	U	57.1	90	120	ug/Kg
100-51-6	Benzyl Alcohol	68.4	U	68.4	190	230	ug/Kg
95-48-7	2-Methylphenol	78.9	U	78.9	90	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.7	U	72.7	90	120	ug/Kg
98-86-2	Acetophenone	60	U	60	90	120	ug/Kg
65794-96-9	3+4-Methylphenols	74.8	U	74.8	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.9	U	40.9	55.4	55.4	ug/Kg
67-72-1	Hexachloroethane	51	U	51	90	120	ug/Kg
98-95-3	Nitrobenzene	52.1	U	52.1	90	120	ug/Kg
78-59-1	Isophorone	47.2	U	47.2	90	120	ug/Kg
88-75-5	2-Nitrophenol	65.9	U	65.9	90	120	ug/Kg
105-67-9	2,4-Dimethylphenol	69	U	69	90	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	77.6	U	77.6	90	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.1	U	54.1	90	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.7	U	53.7	90	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	56.4	U	56.4	90	120	ug/Kg
106-47-8	4-Chloroaniline	72.7	U	72.7	90	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.2	U	58.2	90	120	ug/Kg
105-60-2	Caprolactam	81	U	81	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.1	U	57.1	90	120	ug/Kg
91-57-6	2-Methylnaphthalene	65.7	U	65.7	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF010424
Lab Sample ID:	P1003-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136958.D	1	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53.4	U	53.4	90	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.9	U	60.9	90	120	ug/Kg
92-52-4	1,1-Biphenyl	63.2	U	63.2	90	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.6	U	58.6	90	120	ug/Kg
88-74-4	2-Nitroaniline	68.8	U	68.8	90	120	ug/Kg
131-11-3	Dimethylphthalate	61.6	U	61.6	90	120	ug/Kg
208-96-8	Acenaphthylene	61.2	U	61.2	90	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	62.3	U	62.3	90	120	ug/Kg
99-09-2	3-Nitroaniline	64.7	U	64.7	90	120	ug/Kg
83-32-9	Acenaphthene	55.6	U	55.6	90	120	ug/Kg
Total PAH	Total PAH	2419	U	995.2	90	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	190	230	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	190	230	ug/Kg
132-64-9	Dibenzofuran	53.3	U	53.3	90	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	69.2	U	69.2	90	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	31.5	U	131.5	90	240	ug/Kg
84-66-2	Diethylphthalate	59.5	U	59.5	90	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.6	U	62.6	90	120	ug/Kg
86-73-7	Fluorene	58.7	U	58.7	90	120	ug/Kg
100-01-6	4-Nitroaniline	72	U	72	90	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.8	U	60.8	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64.6	U	64.6	90	120	ug/Kg
103-33-3	Azobenzene	50.9	U	50.9	90	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.5	U	67.5	90	120	ug/Kg
118-74-1	Hexachlorobenzene	68.4	U	68.4	90	120	ug/Kg
1912-24-9	Atrazine	66.1	U	66.1	90	120	ug/Kg
87-86-5	Pentachlorophenol	76.9	U	76.9	190	230	ug/Kg
85-01-8	Phenanthrene	260		64.2	90	120	ug/Kg
120-12-7	Anthracene	70.6	U	70.6	90	120	ug/Kg
86-74-8	Carbazole	58.8	U	58.8	90	120	ug/Kg
84-74-2	Di-n-butylphthalate	72	U	72	90	120	ug/Kg
206-44-0	Fluoranthene	480		65.4	90	120	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF010424
Lab Sample ID:	P1003-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136958.D	1	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	190	230	ug/Kg
129-00-0	Pyrene	340		58	90	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.3	U	71.3	90	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	270		58.1	90	120	ug/Kg
218-01-9	Chrysene	250		60.1	90	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	79.6	U	79.6	90	120	ug/Kg
117-84-0	Di-n-octyl phthalate	85.2	U	85.2	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	280		55.6	90	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	120		61	90	120	ug/Kg
50-32-8	Benzo(a)pyrene	230		65.3	90	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89	J	74.1	90	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.8	U	66.8	90	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	J	64.1	90	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.9	U	61.9	90	120	ug/Kg
123-91-1	1,4-Dioxane	81	U	81	90	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.4	U	57.4	90	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.5	U	62.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.337		18-112		54	SPK: -150
13127-88-3	Phenol-d6	77.173		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	52.822		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	53.79		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.71		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	35.128		14-112		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46646	6.781				
1146-65-2	Naphthalene-d8	174181	8.057				
15067-26-2	Acenaphthene-d10	81377	9.816				
1517-22-2	Phenanthrene-d10	142389	11.31				
1719-03-5	Chrysene-d12	116309	13.969				
1520-96-3	Perylene-d12	107249	15.451				

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF010424
Lab Sample ID:	P1003-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.5
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136958.D	1	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	A			5.004	
000766-90-5	(Z)-1-Phenylpropene	57.7	J			6.61	
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	64.6	J			10.733	
000779-02-2	Anthracene, 9-methyl-	63.9	J			11.81	
002531-84-2	Phenanthrene, 2-methyl-	250	J			11.839	
027410-55-5	8,9-Dihydrocyclopenta[def]phenanth	110	J			11.922	
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	49.2	J			11.945	
000612-94-2	Naphthalene, 2-phenyl-	76.9	J			12.11	
000781-43-1	9,10-Dimethylantracene	71.6	J			12.363	
	unknown12.404	54.5	J			12.404	
005737-13-3	Cyclopenta(def)phenanthrenone	54.5	J			12.457	
	unknown14.745	53.3	J			14.745	
000192-97-2	Benzo[e]pyrene	180	J			15.327	

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:	MR-317-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136959.D	2	12/23/2023 12:00:00 AM	1/5/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	180	U	180	640	780	ug/Kg
110-86-1	Pyridine	170	U	170	310	400	ug/Kg
100-52-7	Benzaldehyde	350	U	350	640	780	ug/Kg
62-53-3	Aniline	280	U	280	310	400	ug/Kg
108-95-2	Phenol	180	U	180	310	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	210	310	400	ug/Kg
95-57-8	2-Chlorophenol	170	U	170	310	400	ug/Kg
95-50-1	1,2-Dichlorobenzene	190	U	190	310	400	ug/Kg
541-73-1	1,3-Dichlorobenzene	210	U	210	310	400	ug/Kg
106-46-7	1,4-Dichlorobenzene	200	U	200	310	400	ug/Kg
100-51-6	Benzyl Alcohol	230	U	230	640	780	ug/Kg
95-48-7	2-Methylphenol	270	U	270	310	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	250	310	400	ug/Kg
98-86-2	Acetophenone	210	U	210	310	400	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	640	780	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	140	190	190	ug/Kg
67-72-1	Hexachloroethane	170	U	170	310	400	ug/Kg
98-95-3	Nitrobenzene	180	U	180	310	400	ug/Kg
78-59-1	Isophorone	160	U	160	310	400	ug/Kg
88-75-5	2-Nitrophenol	230	U	230	310	400	ug/Kg
105-67-9	2,4-Dimethylphenol	240	U	240	310	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	310	400	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	190	310	400	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	180	U	180	310	400	ug/Kg
65-85-0	Benzoic acid	510	U	510	640	780	ug/Kg
91-20-3	Naphthalene	190	U	190	310	400	ug/Kg
106-47-8	4-Chloroaniline	250	U	250	310	400	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	200	310	400	ug/Kg
105-60-2	Caprolactam	280	U	280	640	780	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	200	310	400	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	230	310	400	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:	MR-317-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136959.D	2	12/23/2023 12:00:00 AM	1/5/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	500	U	500	640	780	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	180	310	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	210	310	400	ug/Kg
92-52-4	1,1-Biphenyl	220	U	220	310	400	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	200	310	400	ug/Kg
88-74-4	2-Nitroaniline	240	U	240	310	400	ug/Kg
131-11-3	Dimethylphthalate	210	U	210	310	400	ug/Kg
208-96-8	Acenaphthylene	210	U	210	310	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	U	210	310	400	ug/Kg
99-09-2	3-Nitroaniline	220	U	220	310	400	ug/Kg
83-32-9	Acenaphthene	190	U	190	310	400	ug/Kg
Total PAH	Total PAH	3700	U	3400	310	6400	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	640	780	ug/Kg
100-02-7	4-Nitrophenol	270	U	270	640	780	ug/Kg
132-64-9	Dibenzofuran	180	U	180	310	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	240	U	240	310	400	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	450	U	450	310	800	ug/Kg
84-66-2	Diethylphthalate	200	U	200	310	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	210	310	400	ug/Kg
86-73-7	Fluorene	200	U	200	310	400	ug/Kg
100-01-6	4-Nitroaniline	250	U	250	310	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	640	780	ug/Kg
86-30-6	n-Nitrosodiphenylamine	220	U	220	310	400	ug/Kg
103-33-3	Azobenzene	170	U	170	310	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	230	U	230	310	400	ug/Kg
118-74-1	Hexachlorobenzene	230	U	230	310	400	ug/Kg
1912-24-9	Atrazine	230	U	230	310	400	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	640	780	ug/Kg
85-01-8	Phenanthrene	570		220	310	400	ug/Kg
120-12-7	Anthracene	240	U	240	310	400	ug/Kg
86-74-8	Carbazole	200	U	200	310	400	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	250	310	400	ug/Kg
206-44-0	Fluoranthene	840		220	310	400	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:	MR-317-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136959.D	2	12/23/2023 12:00:00 AM	1/5/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	460	U	460	640	780	ug/Kg
129-00-0	Pyrene	530		200	310	400	ug/Kg
85-68-7	Butylbenzylphthalate	240	U	240	310	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	U	380	640	780	ug/Kg
56-55-3	Benzo(a)anthracene	450		200	310	400	ug/Kg
218-01-9	Chrysene	400		210	310	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	270	310	400	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	290	640	780	ug/Kg
205-99-2	Benzo(b)fluoranthene	510		190	310	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	U	210	310	400	ug/Kg
50-32-8	Benzo(a)pyrene	400		220	310	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	310	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	U	230	310	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220	U	220	310	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	210	310	400	ug/Kg
123-91-1	1,4-Dioxane	280	U	280	310	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	200	310	400	ug/Kg
90-12-0	1-Methylnaphthalene	210	U	210	400	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.378		18-112		70	SPK: -150
13127-88-3	Phenol-d6	100.32		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	72.366		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	84.206		20-109		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	101.692		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	57.318		14-112		57	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51184	6.781				
1146-65-2	Naphthalene-d8	180408	8.057				
15067-26-2	Acenaphthene-d10	86527	9.816				
1517-22-2	Phenanthrene-d10	150992	11.31				
1719-03-5	Chrysene-d12	126661	13.969				
1520-96-3	Perylene-d12	116471	15.451				



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:	MR-317-0-2	SDG No.:	BF010424
Lab Sample ID:	O6015-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.9
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136959.D	2	12/23/2023 12:00:00 AM	1/5/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
002531-84-2	Phenanthrene, 2-methyl-	380	J			11.839	
000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J			11.928	
000198-55-0	Perylene	310	J			15.321	
000630-01-3	Hexacosane	300	J			15.921	

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024	SDG No.:	BF010424
Lab Sample ID:	P1004-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136960.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	350	430	ug/Kg
110-86-1	Pyridine	95.1	U	95.1	170	220	ug/Kg
100-52-7	Benzaldehyde	190	U	190	350	430	ug/Kg
62-53-3	Aniline	150	U	150	170	220	ug/Kg
108-95-2	Phenol	97.7	U	97.7	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	170	220	ug/Kg
95-57-8	2-Chlorophenol	94.6	U	94.6	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	350	430	ug/Kg
95-48-7	2-Methylphenol	150	U	150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	77.5	U	77.5	110	110	ug/Kg
67-72-1	Hexachloroethane	96.7	U	96.7	170	220	ug/Kg
98-95-3	Nitrobenzene	98.8	U	98.8	170	220	ug/Kg
78-59-1	Isophorone	89.5	U	89.5	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	170	220	ug/Kg
65-85-0	Benzoic acid	280	U	280	350	430	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	150	U	150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024	SDG No.:	BF010424
Lab Sample ID:	P1004-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136960.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	280	U	280	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	170	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	220	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	170	220	ug/Kg
208-96-8	Acenaphthylene	120	U	120	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	220	ug/Kg
Total PAH	Total PAH	1890	U	1890	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	100	U	100	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	170	440	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	170	220	ug/Kg
103-33-3	Azobenzene	96.5	U	96.5	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	170	220	ug/Kg
1912-24-9	Atrazine	130	U	130	170	220	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	350	430	ug/Kg
85-01-8	Phenanthrene	120	U	120	170	220	ug/Kg
120-12-7	Anthracene	130	U	130	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	170	220	ug/Kg
206-44-0	Fluoranthene	280		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024	SDG No.:	BF010424
Lab Sample ID:	P1004-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136960.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	350	430	ug/Kg
129-00-0	Pyrene	160	J	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	110	170	220	ug/Kg
218-01-9	Chrysene	150	J	110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	J	110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	J	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114.9		18-112		77	SPK: -150
13127-88-3	Phenol-d6	107.412		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	74.564		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	85.842		20-109		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	104.876		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	63.336		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45590	6.781				
1146-65-2	Naphthalene-d8	164142	8.057				
15067-26-2	Acenaphthene-d10	76418	9.816				
1517-22-2	Phenanthrene-d10	137669	11.31				
1719-03-5	Chrysene-d12	116771	13.969				
1520-96-3	Perylene-d12	95138	15.457				



Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024	SDG No.:	BF010424
Lab Sample ID:	P1004-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136960.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A			4.999	
000057-10-3	n-Hexadecanoic acid	180	J			11.845	

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MS	SDG No.:	BF010424
Lab Sample ID:	P1004-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136961.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	830		100	350	430	ug/Kg
110-86-1	Pyridine	810		95	170	220	ug/Kg
100-52-7	Benzaldehyde	280	J	190	350	430	ug/Kg
62-53-3	Aniline	780		150	170	220	ug/Kg
108-95-2	Phenol	880		97.7	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	910		120	170	220	ug/Kg
95-57-8	2-Chlorophenol	910		94.5	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	880		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	870		120	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	890		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	860		130	350	430	ug/Kg
95-48-7	2-Methylphenol	890		150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	840		140	170	220	ug/Kg
98-86-2	Acetophenone	1000		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	870		140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	860		77.4	110	110	ug/Kg
67-72-1	Hexachloroethane	750		96.6	170	220	ug/Kg
98-95-3	Nitrobenzene	880		98.7	170	220	ug/Kg
78-59-1	Isophorone	890		89.4	170	220	ug/Kg
88-75-5	2-Nitrophenol	870		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		150	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	900		100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	920		100	170	220	ug/Kg
65-85-0	Benzoic acid	700		280	350	430	ug/Kg
91-20-3	Naphthalene	910		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	790		140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	860		110	170	220	ug/Kg
105-60-2	Caprolactam	950		150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	840		110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	880		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MS	SDG No.:	BF010424
Lab Sample ID:	P1004-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136961.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	280	U	280	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		100	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		120	170	220	ug/Kg
92-52-4	1,1-Biphenyl	1000		120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	970		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	940		130	170	220	ug/Kg
131-11-3	Dimethylphthalate	970		120	170	220	ug/Kg
208-96-8	Acenaphthylene	1000		120	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	860		120	170	220	ug/Kg
99-09-2	3-Nitroaniline	930		120	170	220	ug/Kg
83-32-9	Acenaphthene	960		110	170	220	ug/Kg
Total PAH	Total PAH	15940		1890	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	240	J	240	350	430	ug/Kg
100-02-7	4-Nitrophenol	1400		150	350	430	ug/Kg
132-64-9	Dibenzofuran	980		100	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	700		250	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	840		130	170	220	ug/Kg
84-66-2	Diethylphthalate	950		110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		120	170	220	ug/Kg
86-73-7	Fluorene	950		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	930		140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		120	170	220	ug/Kg
103-33-3	Azobenzene	890		96.5	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	940		130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	910		130	170	220	ug/Kg
1912-24-9	Atrazine	1300		130	170	220	ug/Kg
87-86-5	Pentachlorophenol	1500		150	350	430	ug/Kg
85-01-8	Phenanthrene	1100		120	170	220	ug/Kg
120-12-7	Anthracene	1000		130	170	220	ug/Kg
86-74-8	Carbazole	1000		110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	1000		140	170	220	ug/Kg
206-44-0	Fluoranthene	1300		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MS	SDG No.:	BF010424
Lab Sample ID:	P1004-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136961.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	680		250	350	430	ug/Kg
129-00-0	Pyrene	900		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	950		140	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	1100		110	170	220	ug/Kg
218-01-9	Chrysene	1100		110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		120	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	1000		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	830		140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	820		130	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	770		120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		120	170	220	ug/Kg
123-91-1	1,4-Dioxane	870		150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	850		120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.436		18-112		73	SPK: -150
13127-88-3	Phenol-d6	100.844		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	70.492		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	81.756		20-109		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	104.9		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	61.804		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45119	6.781				
1146-65-2	Naphthalene-d8	161856	8.057				
15067-26-2	Acenaphthene-d10	74258	9.816				
1517-22-2	Phenanthrene-d10	138982	11.31				
1719-03-5	Chrysene-d12	114498	13.969				
1520-96-3	Perylene-d12	91469	15.457				

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MS	SDG No.:	BF010424
Lab Sample ID:	P1004-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136961.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

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

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MSD	SDG No.:	BF010424
Lab Sample ID:	P1004-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136962.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	820		100	350	430	ug/Kg
110-86-1	Pyridine	770		95	170	220	ug/Kg
100-52-7	Benzaldehyde	290	J	190	350	430	ug/Kg
62-53-3	Aniline	790		150	170	220	ug/Kg
108-95-2	Phenol	930		97.6	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	890		120	170	220	ug/Kg
95-57-8	2-Chlorophenol	940		94.5	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	890		110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	870		120	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	910		110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	890		130	350	430	ug/Kg
95-48-7	2-Methylphenol	860		150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	850		140	170	220	ug/Kg
98-86-2	Acetophenone	1000		110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	920		140	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	880		77.4	100	100	ug/Kg
67-72-1	Hexachloroethane	750		96.6	170	220	ug/Kg
98-95-3	Nitrobenzene	900		98.7	170	220	ug/Kg
78-59-1	Isophorone	900		89.3	170	220	ug/Kg
88-75-5	2-Nitrophenol	850		120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		150	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	920		100	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	930		100	170	220	ug/Kg
65-85-0	Benzoic acid	730		280	350	430	ug/Kg
91-20-3	Naphthalene	930		110	170	220	ug/Kg
106-47-8	4-Chloroaniline	800		140	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	890		110	170	220	ug/Kg
105-60-2	Caprolactam	910		150	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	890		110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	890		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MSD	SDG No.:	BF010424
Lab Sample ID:	P1004-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136962.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	280	U	280	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		100	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		120	170	220	ug/Kg
92-52-4	1,1-Biphenyl	1000		120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	960		110	170	220	ug/Kg
88-74-4	2-Nitroaniline	970		130	170	220	ug/Kg
131-11-3	Dimethylphthalate	970		120	170	220	ug/Kg
208-96-8	Acenaphthylene	1000		120	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	870		120	170	220	ug/Kg
99-09-2	3-Nitroaniline	940		120	170	220	ug/Kg
83-32-9	Acenaphthene	960		110	170	220	ug/Kg
Total PAH	Total PAH	16280		1890	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	260	J	240	350	430	ug/Kg
100-02-7	4-Nitrophenol	1400		150	350	430	ug/Kg
132-64-9	Dibenzofuran	970		100	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	810		130	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	680		250	170	440	ug/Kg
84-66-2	Diethylphthalate	950		110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		120	170	220	ug/Kg
86-73-7	Fluorene	970		110	170	220	ug/Kg
100-01-6	4-Nitroaniline	940		140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	J	120	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		120	170	220	ug/Kg
103-33-3	Azobenzene	880		96.4	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	970		130	170	220	ug/Kg
118-74-1	Hexachlorobenzene	940		130	170	220	ug/Kg
1912-24-9	Atrazine	1300		130	170	220	ug/Kg
87-86-5	Pentachlorophenol	1500		150	350	430	ug/Kg
85-01-8	Phenanthrene	1100		120	170	220	ug/Kg
120-12-7	Anthracene	1000		130	170	220	ug/Kg
86-74-8	Carbazole	1000		110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	1100		140	170	220	ug/Kg
206-44-0	Fluoranthene	1300		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MSD	SDG No.:	BF010424
Lab Sample ID:	P1004-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136962.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	940		250	350	430	ug/Kg
129-00-0	Pyrene	920		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	940		140	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		210	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	1100		110	170	220	ug/Kg
218-01-9	Chrysene	1100		110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		160	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		120	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	1100		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	840		140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	860		130	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	800		120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		120	170	220	ug/Kg
123-91-1	1,4-Dioxane	840		150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	870		110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	890		120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110.616		18-112		74	SPK: -150
13127-88-3	Phenol-d6	102.788		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	70.234		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	81.942		20-109		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	101.106		10-110		67	SPK: -150
1718-51-0	Terphenyl-d14	62.654		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46666	6.781				
1146-65-2	Naphthalene-d8	171726	8.057				
15067-26-2	Acenaphthene-d10	82066	9.816				
1517-22-2	Phenanthrene-d10	146476	11.31				
1719-03-5	Chrysene-d12	112186	13.969				
1520-96-3	Perylene-d12	85036	15.457				



Report of Analysis

Client:		Date Collected:	1/2/2024 12:00:00 AM
Project:		Date Received:	1/2/2024 12:00:00 AM
Client Sample ID:	SU-04-01022024MSD	SDG No.:	BF010424
Lab Sample ID:	P1004-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.7
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136962.D	2	1/3/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158204

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:	MR-317-0-2D	SDG No.:	BF010424
Lab Sample ID:	O6015-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF136963.D	1	12/23/2023 12:00:00 AM	1/5/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.1	U	91.1	320	390	ug/Kg
110-86-1	Pyridine	85.3	U	85.3	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	87.7	U	87.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.8	U	84.8	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.3	U	96.3	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	97.1	U	97.1	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	69.5	U	69.5	94.3	94.3	ug/Kg
67-72-1	Hexachloroethane	86.7	U	86.7	150	200	ug/Kg
98-95-3	Nitrobenzene	88.6	U	88.6	150	200	ug/Kg
78-59-1	Isophorone	80.2	U	80.2	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	U	92	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.3	U	91.3	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	130	J	95.9	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	99	U	99	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.2	U	97.2	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:	MR-317-0-2D	SDG No.:	BF010424
Lab Sample ID:	O6015-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF136963.D	1	12/23/2023 12:00:00 AM	1/5/2024 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	90.8	U	90.8	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	99.7	U	99.7	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	400		94.6	150	200	ug/Kg
Total PAH	Total PAH	27090		1682.5	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	240		90.6	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	390		99.9	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	86.6	U	86.6	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	3800	E	110	150	200	ug/Kg
120-12-7	Anthracene	1100		120	150	200	ug/Kg
86-74-8	Carbazole	440		100	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	5100	E	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:	MR-317-0-2D	SDG No.:	BF010424
Lab Sample ID:	O6015-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF136963.D	1	12/23/2023 12:00:00 AM	1/5/2024 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	3200	E	98.6	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	2500		98.9	150	200	ug/Kg
218-01-9	Chrysene	2200		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	2800		94.6	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	950		100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	2200		110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910		130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	310		110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		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	97.7	U	97.7	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.509		18-112		62	SPK: -150
13127-88-3	Phenol-d6	86.963		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	61.26		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	67.909		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	87.03		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	50.02		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45683	6.781				
1146-65-2	Naphthalene-d8	164614	8.063				
15067-26-2	Acenaphthene-d10	75407	9.816				
1517-22-2	Phenanthrene-d10	135360	11.31				
1719-03-5	Chrysene-d12	105908	13.974				
1520-96-3	Perylene-d12	81893	15.463				

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:	MR-317-0-2D	SDG No.:	BF010424
Lab Sample ID:	O6015-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.3
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
BF136963.D	1	12/23/2023 12:00:00 AM	1/5/2024 12:00:00 AM	PB158038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000124-18-5	Decane	160	J			6.616	
001430-97-3	9H-Fluorene, 2-methyl-	130	J			10.916	
000131-17-9	Diallyl phthalate	270	J			10.957	
000486-25-9	9H-Fluoren-9-one	140	J			11.116	
000132-65-0	Dibenzothiophene	220	J			11.204	
002531-84-2	Phenanthrene, 2-methyl-	450	J			11.816	
000832-69-9	Phenanthrene, 1-methyl-	910	J			11.845	
000613-12-7	Anthracene, 2-methyl-	240	J			11.892	
000203-64-5	4H-Cyclopenta[def]phenanthrene	800	J			11.927	
000779-02-2	Anthracene, 9-methyl-	190	J			11.951	
000612-94-2	Naphthalene, 2-phenyl-	300	J			12.116	
000084-65-1	9,10-Anthracenedione	180	J			12.145	
001576-67-6	Phenanthrene, 3,6-dimethyl-	230	J			12.369	
005737-13-3	Cyclopenta(def)phenanthrenone	230	J			12.463	
	unknown12.633	130	J			12.633	
000243-17-4	11H-Benzo[b]fluorene	140	J			13.092	
020627-31-0	Benz(a)anthracene, 8,12-dimethyl-	170	J			14.751	
1010396-68-8	9H-carbazole-3,6-diamine, N3,N3,N6	190	J			14.863	
000192-97-2	Benzo[e]pyrene	460	J			15.133	
000198-55-0	Perylene	1700	J			15.333	

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-0-2	SDG No.:	BF010424
Lab Sample ID:	O6045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136964.D	1	1/2/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	98.7	U	98.7	340	420	ug/Kg
110-86-1	Pyridine	92.5	U	92.5	170	220	ug/Kg
100-52-7	Benzaldehyde	190	U	190	340	420	ug/Kg
62-53-3	Aniline	150	U	150	170	220	ug/Kg
108-95-2	Phenol	95	U	95	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	92	U	92	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	340	420	ug/Kg
95-48-7	2-Methylphenol	150	U	150	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	75.4	U	75.4	100	100	ug/Kg
67-72-1	Hexachloroethane	94	U	94	170	220	ug/Kg
98-95-3	Nitrobenzene	96.1	U	96.1	170	220	ug/Kg
78-59-1	Isophorone	87	U	87	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	99.8	U	99.8	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	99	U	99	170	220	ug/Kg
65-85-0	Benzoic acid	270	U	270	340	420	ug/Kg
91-20-3	Naphthalene	100	U	100	170	220	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg
105-60-2	Caprolactam	150	U	150	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-0-2	SDG No.:	BF010424
Lab Sample ID:	O6045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136964.D	1	1/2/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	270	U	270	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	98.5	U	98.5	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	170	220	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	150	J	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	170	220	ug/Kg
Total PAH	Total PAH	6880	U	1830	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	ug/Kg
132-64-9	Dibenzofuran	98.2	U	98.2	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	170	220	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	170	220	ug/Kg
103-33-3	Azobenzene	93.9	U	93.9	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	170	220	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	340	420	ug/Kg
85-01-8	Phenanthrene	560		120	170	220	ug/Kg
120-12-7	Anthracene	170	J	130	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	170	220	ug/Kg
206-44-0	Fluoranthene	1100		120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-0-2	SDG No.:	BF010424
Lab Sample ID:	O6045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136964.D	1	1/2/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	250	U	250	340	420	ug/Kg
129-00-0	Pyrene	770		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	580		110	170	220	ug/Kg
218-01-9	Chrysene	570		110	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	900		100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	360		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	710		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	390		140	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	J	120	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	500		120	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.038		18-112		46	SPK: -150
13127-88-3	Phenol-d6	64.358		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	44.447		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	45.818		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	64.44		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	30.993		14-112		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	42327	6.781				
1146-65-2	Naphthalene-d8	154333	8.063				
15067-26-2	Acenaphthene-d10	71248	9.816				
1517-22-2	Phenanthrene-d10	131302	11.31				
1719-03-5	Chrysene-d12	102510	13.969				
1520-96-3	Perylene-d12	74108	15.457				

Report of Analysis

Client:		Date Collected:	12/28/2023 12:00:00 AM
Project:		Date Received:	12/28/2023 12:00:00 AM
Client Sample ID:	MR-300-0-2	SDG No.:	BF010424
Lab Sample ID:	O6045-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136964.D	1	1/2/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A			4.999	
000779-02-2	Anthracene, 9-methyl-	120	J			11.816	
000057-10-3	n-Hexadecanoic acid	440	J			11.845	
000203-64-5	4H-Cyclopenta[def]phenanthrene	200	J			11.928	
003674-66-6	Phenanthrene, 2,5-dimethyl-	87.3	J			12.369	
005737-13-3	Cyclopenta(def)phenanthrenone	97.9	J			12.457	
002381-21-7	Pyrene, 1-methyl-	140	J			13.092	
003353-12-6	Pyrene, 4-methyl-	86.4	J			13.198	
000791-28-6	Triphenylphosphine oxide	130	J			14.063	
000192-97-2	Benzo[e]pyrene	680	J			15.327	

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	NB-7-010324	SDG No.:	BF010424
Lab Sample ID:	P1006-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.8
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
BF136965.D	10	1/4/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158239

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	500	U	500	1800	2100	ug/Kg
110-86-1	Pyridine	470	U	470	850	1100	ug/Kg
100-52-7	Benzaldehyde	960	U	960	1800	2100	ug/Kg
62-53-3	Aniline	760	U	760	850	1100	ug/Kg
108-95-2	Phenol	480	U	480	850	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	580	U	580	850	1100	ug/Kg
95-57-8	2-Chlorophenol	470	U	470	850	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	530	U	530	850	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	580	U	580	850	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	540	U	540	850	1100	ug/Kg
100-51-6	Benzyl Alcohol	640	U	640	1800	2100	ug/Kg
95-48-7	2-Methylphenol	740	U	740	850	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	680	U	680	850	1100	ug/Kg
98-86-2	Acetophenone	560	U	560	850	1100	ug/Kg
65794-96-9	3+4-Methylphenols	700	U	700	1800	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	380	U	380	520	520	ug/Kg
67-72-1	Hexachloroethane	480	U	480	850	1100	ug/Kg
98-95-3	Nitrobenzene	490	U	490	850	1100	ug/Kg
78-59-1	Isophorone	440	U	440	850	1100	ug/Kg
88-75-5	2-Nitrophenol	620	U	620	850	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	650	U	650	850	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	730	U	730	850	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	510	U	510	850	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	500	850	1100	ug/Kg
65-85-0	Benzoic acid	1400	U	1400	1800	2100	ug/Kg
91-20-3	Naphthalene	530	U	530	850	1100	ug/Kg
106-47-8	4-Chloroaniline	680	U	680	850	1100	ug/Kg
87-68-3	Hexachlorobutadiene	550	U	550	850	1100	ug/Kg
105-60-2	Caprolactam	760	U	760	1800	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	540	U	540	850	1100	ug/Kg
91-57-6	2-Methylnaphthalene	620	U	620	850	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	NB-7-010324	SDG No.:	BF010424
Lab Sample ID:	P1006-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.8
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
BF136965.D	10	1/4/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158239

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400	U	1400	1800	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	500	U	500	850	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	570	U	570	850	1100	ug/Kg
92-52-4	1,1-Biphenyl	590	U	590	850	1100	ug/Kg
91-58-7	2-Chloronaphthalene	550	U	550	850	1100	ug/Kg
88-74-4	2-Nitroaniline	650	U	650	850	1100	ug/Kg
131-11-3	Dimethylphthalate	580	U	580	850	1100	ug/Kg
208-96-8	Acenaphthylene	570	U	570	850	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	590	U	590	850	1100	ug/Kg
99-09-2	3-Nitroaniline	610	U	610	850	1100	ug/Kg
83-32-9	Acenaphthene	520	U	520	850	1100	ug/Kg
Total PAH	Total PAH	9320	U	9320	850	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1800	2100	ug/Kg
100-02-7	4-Nitrophenol	740	U	740	1800	2100	ug/Kg
132-64-9	Dibenzofuran	500	U	500	850	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	650	U	650	850	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	1240	850	2200	ug/Kg
84-66-2	Diethylphthalate	560	U	560	850	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	590	U	590	850	1100	ug/Kg
86-73-7	Fluorene	550	U	550	850	1100	ug/Kg
100-01-6	4-Nitroaniline	680	U	680	850	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	570	U	570	1800	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	610	U	610	850	1100	ug/Kg
103-33-3	Azobenzene	480	U	480	850	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	630	U	630	850	1100	ug/Kg
118-74-1	Hexachlorobenzene	640	U	640	850	1100	ug/Kg
1912-24-9	Atrazine	620	U	620	850	1100	ug/Kg
87-86-5	Pentachlorophenol	720	U	720	1800	2100	ug/Kg
85-01-8	Phenanthrene	600	U	600	850	1100	ug/Kg
120-12-7	Anthracene	660	U	660	850	1100	ug/Kg
86-74-8	Carbazole	550	U	550	850	1100	ug/Kg
84-74-2	Di-n-butylphthalate	680	U	680	850	1100	ug/Kg
206-44-0	Fluoranthene	610	U	610	850	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	NB-7-010324	SDG No.:	BF010424
Lab Sample ID:	P1006-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.8
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
BF136965.D	10	1/4/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158239

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300	U	1300	1800	2100	ug/Kg
129-00-0	Pyrene	540	U	540	850	1100	ug/Kg
85-68-7	Butylbenzylphthalate	670	U	670	850	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000	U	1000	1800	2100	ug/Kg
56-55-3	Benzo(a)anthracene	550	U	550	850	1100	ug/Kg
218-01-9	Chrysene	560	U	560	850	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	750	U	750	850	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	800	U	800	1800	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	520	U	520	850	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	570	U	570	850	1100	ug/Kg
50-32-8	Benzo(a)pyrene	610	U	610	850	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	700	U	700	850	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	630	U	630	850	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	600	U	600	850	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	580	U	580	850	1100	ug/Kg
123-91-1	1,4-Dioxane	760	U	760	850	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	540	U	540	850	1100	ug/Kg
90-12-0	1-Methylnaphthalene	590	U	590	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.93		18-112		67	SPK: -150
13127-88-3	Phenol-d6	90.58		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	59.33		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	76.27		20-109		76	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.92		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	57.84		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45000	6.781				
1146-65-2	Naphthalene-d8	164718	8.063				
15067-26-2	Acenaphthene-d10	77034	9.816				
1517-22-2	Phenanthrene-d10	139963	11.31				
1719-03-5	Chrysene-d12	109044	13.968				
1520-96-3	Perylene-d12	81516	15.457				



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

Report of Analysis

Client:		Date Collected:	1/3/2024 12:00:00 AM
Project:		Date Received:	1/3/2024 12:00:00 AM
Client Sample ID:	NB-7-010324	SDG No.:	BF010424
Lab Sample ID:	P1006-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.8
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
BF136965.D	10	1/4/2024 12:00:00 AM	1/5/2024 12:00:00 AM	PB158239

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	460	J			9.257	
000791-28-6	Triphenylphosphine oxide	660	J			14.063	

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : GHL-SS-31DL								
O5897-06DL	GHL-SS-31DL	Solid	Anthracene	3,500.000	D	260	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Carbazole	1,300.000	D	210	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Chrysene	240.000	JD	220	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Dibenzofuran	230.000	JD	190	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Fluoranthene	510.000	D	240	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Fluorene	450.000	D	210	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Phenanthrene	1,100.000	D	230	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Pyrene	320.000	JD	210	430	ug/Kg
O5897-06DL	GHL-SS-31DL	Solid	Total PAH	6,120.000	JD	3610	6880	ug/Kg
Total Svoc :				13,770.00				
Total Concentration:				13,770.00				
Client ID : GHL-SS-18-0-2DL								
O5899-21DL	GHL-SS-18-0-2DL	Solid	1,1-Biphenyl	1,200.000	JD	1100	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	2-Methylnaphthalene	7,400.000	D	1200	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Acenaphthene	5,900.000	D	1000	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Anthracene	190,300.000	ED	1300	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Benzo(a)anthracene	7,700.000	D	1100	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Benzo(a)pyrene	3,300.000	D	1200	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Benzo(b)fluoranthene	5,400.000	D	1000	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Benzo(g,h,i)perylene	1,200.000	JD	1200	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Benzo(k)fluoranthene	1,900.000	JD	1100	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Bis(2-ethylhexyl)phthalate	18,800.000	D	1400	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Carbazole	83,400.000	ED	1100	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Chrysene	9,700.000	D	1100	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Dibenzofuran	10,100.000	D	960	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Fluoranthene	25,800.000	D	1200	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Fluorene	25,000.000	D	1100	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Indeno(1,2,3-cd)pyrene	1,300.000	JD	1300	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Naphthalene	8,700.000	D	1000	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Phenanthrene	49,200.000	ED	1200	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Pyrene	15,100.000	D	1000	2100	ug/Kg
O5899-21DL	GHL-SS-18-0-2DL	Solid	Total PAH	350,500.000	D	18100	33600	ug/Kg
Total Svoc :				821,900.00				
Total Concentration:				821,900.00				
Client ID : GHL-SS-18-2-4DL								
O5899-22DL	GHL-SS-18-2-4DL	Solid	1,1-Biphenyl	2,100.000	D	1100	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	2-Methylnaphthalene	11,900.000	D	1200	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Acenaphthene	4,900.000	D	1000	2100	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5899-22DL	GHL-SS-18-2-4DL	Solid	Anthracene	283,800.000	ED	1300	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Benzo(a)anthracene	7,700.000	D	1100	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Benzo(a)pyrene	2,900.000	D	1200	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Benzo(b)fluoranthene	4,800.000	D	1000	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Benzo(k)fluoranthene	1,600.000	JD	1100	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Bis(2-ethylhexyl)phthalate	2,600.000	D	1400	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Carbazole	139,400.000	ED	1100	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Chrysene	13,800.000	D	1100	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Dibenzofuran	14,700.000	D	960	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Fluoranthene	28,400.000	D	1200	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Fluorene	39,200.000	ED	1100	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Naphthalene	14,700.000	D	1000	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Phenanthrene	67,700.000	ED	1200	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Pyrene	15,400.000	D	1000	2100	ug/Kg
O5899-22DL	GHL-SS-18-2-4DL	Solid	Total PAH	484,900.000	D	18100	33600	ug/Kg
Total Svoc :				1,140,500.00				
Total Concentration:				1,140,500.00				

Client ID : MR-317-0-2

O6015-01	MR-317-0-2	Solid	4H-Cyclopenta[def]phenanthrene *	160.000	J			
O6015-01	MR-317-0-2	Solid	Hexacosane *	300.000	J			
O6015-01	MR-317-0-2	Solid	Perylene *	310.000	J			
O6015-01	MR-317-0-2	Solid	Phenanthrene, 2-methyl- *	380.000	J			
Total Tics :				1,150.00				
O6015-01	MR-317-0-2	Solid	Benzo(a)anthracene	450.000		200	400	ug/Kg
O6015-01	MR-317-0-2	Solid	Benzo(a)pyrene	400.000		220	400	ug/Kg
O6015-01	MR-317-0-2	Solid	Benzo(b)fluoranthene	510.000		190	400	ug/Kg
O6015-01	MR-317-0-2	Solid	Chrysene	400.000		210	400	ug/Kg
O6015-01	MR-317-0-2	Solid	Fluoranthene	840.000		220	400	ug/Kg
O6015-01	MR-317-0-2	Solid	Phenanthrene	570.000		220	400	ug/Kg
O6015-01	MR-317-0-2	Solid	Pyrene	530.000		200	400	ug/Kg
Total Svoc :				3,700.00				
Total Concentration:				4,850.00				

Client ID : MR-317-0-2D

O6015-03	MR-317-0-2D	Solid	11H-Benzo[b]fluorene *	140.000	J			
O6015-03	MR-317-0-2D	Solid	4H-Cyclopenta[def]phenanthrene *	800.000	J			
O6015-03	MR-317-0-2D	Solid	9,10-Anthracenedione *	180.000	J			
O6015-03	MR-317-0-2D	Solid	9H-carbazole-3,6-diamine, N3,N3 *	190.000	J			
O6015-03	MR-317-0-2D	Solid	9H-Fluoren-9-one *	140.000	J			
O6015-03	MR-317-0-2D	Solid	9H-Fluorene, 2-methyl- *	130.000	J			
O6015-03	MR-317-0-2D	Solid	Anthracene, 2-methyl- *	240.000	J			
O6015-03	MR-317-0-2D	Solid	Anthracene, 9-methyl- *	190.000	J			

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O6015-03	MR-317-0-2D	Solid	Benz(a)anthracene, 8,12-dimethyl *	170.000	J			
O6015-03	MR-317-0-2D	Solid	Benzo[e]pyrene *	460.000	J			
O6015-03	MR-317-0-2D	Solid	Cyclopenta(def)phenanthrene *	230.000	J			
O6015-03	MR-317-0-2D	Solid	Decane *	160.000	J			
O6015-03	MR-317-0-2D	Solid	Diallyl phthalate *	270.000	J			
O6015-03	MR-317-0-2D	Solid	Dibenzothiophene *	220.000	J			
O6015-03	MR-317-0-2D	Solid	Naphthalene, 2-phenyl- *	300.000	J			
O6015-03	MR-317-0-2D	Solid	Perylene *	1,700.000	J			
O6015-03	MR-317-0-2D	Solid	Phenanthrene, 1-methyl- *	910.000	J			
O6015-03	MR-317-0-2D	Solid	Phenanthrene, 2-methyl- *	450.000	J			
O6015-03	MR-317-0-2D	Solid	Phenanthrene, 3,6-dimethyl- *	230.000	J			
O6015-03	MR-317-0-2D	Solid	unknown12.633 *	130.000	J			
Total Tics :				7,240.00				
O6015-03	MR-317-0-2D	Solid	Acenaphthene	400.000		94.6	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Anthracene	1,100.000		120	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Benzo(a)anthracene	2,500.000		98.9	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Benzo(a)pyrene	2,200.000		110	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Benzo(b)fluoranthene	2,800.000		94.6	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Benzo(g,h,i)perylene	1,100.000		110	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Benzo(k)fluoranthene	950.000		100	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Carbazole	440.000		100	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Chrysene	2,200.000		100	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Dibenzo(a,h)anthracene	310.000		110	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Dibenzofuran	240.000		90.6	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Fluoranthene	5,100.000	E	110	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Fluorene	390.000		99.9	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Indeno(1,2,3-cd)pyrene	910.000		130	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Naphthalene	130.000	J	95.9	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Phenanthrene	3,800.000	E	110	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Pyrene	3,200.000	E	98.6	200	ug/Kg
O6015-03	MR-317-0-2D	Solid	Total PAH	27,090.000		1682.5	3200	ug/Kg
Total Svoc :				54,860.00				
Total Concentration:				62,100.00				
Client ID : MR-323-0-2								
O6015-05	MR-323-0-2	Solid	2-Pentanone, 4-hydroxy-4-methyl *	95.300	A			
O6015-05	MR-323-0-2	Solid	Benzo[e]pyrene *	170.000	J			
O6015-05	MR-323-0-2	Solid	butanoic acid, 2-ethyl-, 2-[(acety *	100.000	J			
O6015-05	MR-323-0-2	Solid	Diethylene glycol dibenzoate *	780.000	J			
O6015-05	MR-323-0-2	Solid	Heneicosane *	100.000	J			
O6015-05	MR-323-0-2	Solid	Heptadecane *	300.000	J			
O6015-05	MR-323-0-2	Solid	Heptadecane, 3-methyl- *	180.000	J			
O6015-05	MR-323-0-2	Solid	Hexadecane *	130.000	J			

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O6015-05	MR-323-0-2	Solid	n-Hexadecanoic acid	*	760.000	J		
O6015-05	MR-323-0-2	Solid	Nonadecane	*	130.000	J		
O6015-05	MR-323-0-2	Solid	Octadecane	*	300.000	J		
O6015-05	MR-323-0-2	Solid	Octadecanoic acid	*	280.000	J		
O6015-05	MR-323-0-2	Solid	Octadecanoic acid, ethenyl ester	*	600.000	J		
O6015-05	MR-323-0-2	Solid	Pentadecane, 3-methyl-	*	220.000	J		
O6015-05	MR-323-0-2	Solid	Pentadecane, 7-methyl-	*	93.700	J		
O6015-05	MR-323-0-2	Solid	Tetracosane	*	180.000	J		
O6015-05	MR-323-0-2	Solid	unknown10.810	*	100.000	J		
O6015-05	MR-323-0-2	Solid	unknown13.762	*	130.000	J		
O6015-05	MR-323-0-2	Solid	unknown13.810	*	320.000	J		
O6015-05	MR-323-0-2	Solid	unknown14.598	*	98.100	J		
Total Tics :					5,067.10			
O6015-05	MR-323-0-2	Solid	Benzo(a)anthracene		280.000	100	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Benzo(a)pyrene		290.000	110	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Benzo(b)fluoranthene		370.000	95.7	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Benzo(g,h,i)perylene	J	140.000	110	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Benzo(k)fluoranthene	J	160.000	100	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Chrysene		330.000	100	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Fluoranthene		590.000	110	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Indeno(1,2,3-cd)pyrene	J	130.000	130	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Phenanthrene		360.000	110	200	ug/Kg
O6015-05	MR-323-0-2	Solid	Pyrene		350.000	99.7	200	ug/Kg
Total Svoc :					3,000.00			
Total Concentration:					8,067.10			
Client ID : MR-323-6-8								
O6015-07	MR-323-6-8	Solid	Benzo[e]pyrene	*	150.000	J		
O6015-07	MR-323-6-8	Solid	Phenanthrene, 2,5-dimethyl-	*	95.800	J		
O6015-07	MR-323-6-8	Solid	Phenanthrene, 2-methyl-	*	110.000	J		
O6015-07	MR-323-6-8	Solid	Phenanthrene, 3,6-dimethyl-	*	84.100	J		
O6015-07	MR-323-6-8	Solid	Phenanthrene, 4-methyl-	*	340.000	J		
O6015-07	MR-323-6-8	Solid	unknown11.922	*	190.000	J		
O6015-07	MR-323-6-8	Solid	unknown13.874	*	100.000	J		
O6015-07	MR-323-6-8	Solid	unknown5.004	*	87.000	J		
Total Tics :					1,156.90			
O6015-07	MR-323-6-8	Solid	Benzo(a)anthracene		310.000	100	210	ug/Kg
O6015-07	MR-323-6-8	Solid	Benzo(a)pyrene		260.000	110	210	ug/Kg
O6015-07	MR-323-6-8	Solid	Benzo(b)fluoranthene		310.000	97	210	ug/Kg
O6015-07	MR-323-6-8	Solid	Benzo(k)fluoranthene	J	120.000	110	210	ug/Kg
O6015-07	MR-323-6-8	Solid	Chrysene		310.000	100	210	ug/Kg
O6015-07	MR-323-6-8	Solid	Fluoranthene		560.000	110	210	ug/Kg
O6015-07	MR-323-6-8	Solid	Phenanthrene		520.000	110	210	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O6015-07	MR-323-6-8	Solid	Pyrene	390.000		100	210	ug/Kg
Total Svoc :				2,780.00				
Total Concentration:				3,936.90				
Client ID : MR-322-4-6								
O6016-03	MR-322-4-6	Solid	1-Heneicosanol	*	180.000	J		
O6016-03	MR-322-4-6	Solid	n-Hexadecanoic acid	*	250.000	J		
O6016-03	MR-322-4-6	Solid	unknown13.474	*	95.800	J		
Total Tics :				525.80				
Total Concentration:				525.80				
Client ID : SB32-2-20231222-7.5-8.5								
O6017-01	SB32-2-20231222-7.5-8.5	Solid	1-Phenyl-1-butene	*	1,100.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	3a,6-Methano-3aH-indene, 2,3,4,5	*	2,700.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Benzene, 1,3-diethyl-	*	1,700.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Benzene, propyl-	*	3,000.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	cis-2-Nonene	*	880.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Decane, 3-methyl-	*	1,100.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Heptane, 2,5-dimethyl-	*	1,000.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Heptane, 2-methyl-	*	1,000.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Heptane, 3-methyl-	*	920.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Indane	*	2,600.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	n-Hexadecanoic acid	*	930.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Naphthalene, 2,3-dimethyl-	*	1,100.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Naphthalene, 2,6-dimethyl-	*	1,300.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Nonane, 2-methyl-	*	1,300.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Nonane, 3-methyl-	*	940.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Octane, 2,2,6-trimethyl-	*	1,800.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Octane, 2-methyl-	*	1,100.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Octane, 3-ethyl-	*	1,300.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Octane, 4-ethyl-	*	870.000	J		
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Octane, 4-methyl-	*	1,300.000	J		
Total Tics :				27,940.00				
O6017-01	SB32-2-20231222-7.5-8.5	Solid	1-Methylnaphthalene		3,400.000	120	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	2-Methylnaphthalene		6,800.000	E 120	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Acenaphthene		460.000	100	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Anthracene		480.000	130	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Benzo(a)anthracene		770.000	110	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Benzo(a)pyrene		670.000	120	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Benzo(b)fluoranthene		730.000	100	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Benzo(g,h,i)perylene		340.000	120	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Benzo(k)fluoranthene		270.000	110	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Chrysene		580.000	110	220	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Dibenzofuran	300.000		99.4	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Fluoranthene	1,700.000		120	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Fluorene	430.000		110	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Indeno(1,2,3-cd)pyrene	300.000		140	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Naphthalene	3,400.000		110	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Phenanthrene	2,000.000		120	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Pyrene	1,300.000		110	220	ug/Kg
O6017-01	SB32-2-20231222-7.5-8.5	Solid	Total PAH	13,430.000		1840	3520	ug/Kg
Total Svoc :				37,360.00				
Total Concentration:				65,300.00				
Client ID : SB32-2-20231222-7.5-8.5-A								
O6017-05	SB32-2-20231222-7.5-8.5	Solid	1,2,3,4,5,8-Hexahydronaphthalene	* 560.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	1-Phenyl-1-butene	* 740.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Benzene, 1,2,3,4-tetramethyl-	* 420.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Benzene, 1,2-diethyl-	* 540.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Benzene, 1-methyl-3-(1-methylethyl)-	* 340.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Benzene, propyl-	* 810.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Decane, 2,5,9-trimethyl-	* 540.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Heptane, 2,5-dimethyl-	* 330.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Heptane, 2,6-dimethyl-	* 420.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Heptane, 3-methyl-	* 330.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Indan, 1-methyl-	* 470.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Indane	* 930.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	n-Hexadecanoic acid	* 550.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Nonane, 2-methyl-	* 440.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Nonane, 3-methyl-	* 380.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Phenol, 3-(2-phenylethyl)-	* 310.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Retene	* 380.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Undecane, 3-methyl-	* 390.000	J			
O6017-05	SB32-2-20231222-7.5-8.5	Solid	unknown17.392	* 1,000.000	J			
Total Tics :				9,880.00				
O6017-05	SB32-2-20231222-7.5-8.5	Solid	1-Methylnaphthalene	350.000		120	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	2-Methylnaphthalene	780.000		120	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	3+4-Methylphenols	240.000	J	140	430	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Benzo(a)anthracene	140.000	J	110	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Benzo(b)fluoranthene	120.000	J	110	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Chrysene	150.000	J	110	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Fluoranthene	250.000		120	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Naphthalene	520.000		110	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Phenanthrene	250.000		120	220	ug/Kg
O6017-05	SB32-2-20231222-7.5-8.5	Solid	Pyrene	190.000	J	110	220	ug/Kg
Total Svoc :				2,990.00				

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				12,870.00				
Client ID :	MR-321-0-2							
O6031-01	MR-321-0-2	Solid	2-Pentanone, 4-hydroxy-4-methyl *	220.000	A			
O6031-01	MR-321-0-2	Solid	Acetic acid, 2-[5-(4-nitrophenyl)- *	110.000	J			
O6031-01	MR-321-0-2	Solid	n-Hexadecanoic acid *	220.000	J			
O6031-01	MR-321-0-2	Solid	Perylene *	99.200	J			
O6031-01	MR-321-0-2	Solid	Squalene *	110.000	J			
Total Tics :				759.20				
O6031-01	MR-321-0-2	Solid	Benzo(a)anthracene	150.000	J	98.3	200	ug/Kg
O6031-01	MR-321-0-2	Solid	Benzo(a)pyrene	130.000	J	110	200	ug/Kg
O6031-01	MR-321-0-2	Solid	Benzo(b)fluoranthene	160.000	J	94.1	200	ug/Kg
O6031-01	MR-321-0-2	Solid	Chrysene	160.000	J	100	200	ug/Kg
O6031-01	MR-321-0-2	Solid	Fluoranthene	220.000		110	200	ug/Kg
O6031-01	MR-321-0-2	Solid	Phenanthrene	110.000	J	110	200	ug/Kg
O6031-01	MR-321-0-2	Solid	Pyrene	160.000	J	98	200	ug/Kg
Total Svoc :				1,090.00				
Total Concentration:				1,849.20				
Client ID :	T-803							
O6038-06	T-803	water	1,1-Biphenyl	33.400	J	17.9	50	ug/L
O6038-06	T-803	water	1-Methylnaphthalene	180.000		20.8	50	ug/L
O6038-06	T-803	water	2-Methylnaphthalene	210.000		22.3	50	ug/L
O6038-06	T-803	water	Acenaphthene	81.900		17.2	50	ug/L
O6038-06	T-803	water	Benzo(a)anthracene	31.200	J	14.5	50	ug/L
O6038-06	T-803	water	Carbazole	20.400	J	17	50	ug/L
O6038-06	T-803	water	Chrysene	31.500	J	15.7	50	ug/L
O6038-06	T-803	water	Fluoranthene	43.900	J	20.5	50	ug/L
O6038-06	T-803	water	Fluorene	44.300	J	20.4	50	ug/L
O6038-06	T-803	water	Naphthalene	1,300.000	E	16.9	50	ug/L
O6038-06	T-803	water	Phenanthrene	120.000		20	50	ug/L
O6038-06	T-803	water	Pyrene	47.500	J	18.9	50	ug/L
O6038-06	T-803	water	Total PAH	1,700.000		309	800	ug/L
Total Svoc :				3,844.10				
Total Concentration:				3,844.10				
Client ID :	MR-300-0-2							
O6045-01	MR-300-0-2	Solid	2-Pentanone, 4-hydroxy-4-methyl *	300.000	A			
O6045-01	MR-300-0-2	Solid	4H-Cyclopenta[def]phenanthrene *	200.000	J			
O6045-01	MR-300-0-2	Solid	Anthracene, 9-methyl- *	120.000	J			
O6045-01	MR-300-0-2	Solid	Benzo[e]pyrene *	680.000	J			
O6045-01	MR-300-0-2	Solid	Cyclopenta(def)phenanthrenone *	97.900	J			
O6045-01	MR-300-0-2	Solid	n-Hexadecanoic acid *	440.000	J			
O6045-01	MR-300-0-2	Solid	Phenanthrene, 2,5-dimethyl- *	87.300	J			

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O6045-01	MR-300-0-2	Solid	Pyrene, 1-methyl-	*	140.000	J		
O6045-01	MR-300-0-2	Solid	Pyrene, 4-methyl-	*	86.400	J		
O6045-01	MR-300-0-2	Solid	Triphenylphosphine oxide	*	130.000	J		
Total Tics :				2,281.60				
O6045-01	MR-300-0-2	Solid	Acenaphthylene		150.000	J	110	ug/Kg
O6045-01	MR-300-0-2	Solid	Anthracene		170.000	J	130	ug/Kg
O6045-01	MR-300-0-2	Solid	Benzo(a)anthracene		580.000		110	ug/Kg
O6045-01	MR-300-0-2	Solid	Benzo(a)pyrene		710.000		120	ug/Kg
O6045-01	MR-300-0-2	Solid	Benzo(b)fluoranthene		900.000		100	ug/Kg
O6045-01	MR-300-0-2	Solid	Benzo(g,h,i)perylene		500.000		120	ug/Kg
O6045-01	MR-300-0-2	Solid	Benzo(k)fluoranthene		360.000		110	ug/Kg
O6045-01	MR-300-0-2	Solid	Chrysene		570.000		110	ug/Kg
O6045-01	MR-300-0-2	Solid	Dibenzo(a,h)anthracene		120.000	J	120	ug/Kg
O6045-01	MR-300-0-2	Solid	Fluoranthene		1,100.000		120	ug/Kg
O6045-01	MR-300-0-2	Solid	Indeno(1,2,3-cd)pyrene		390.000		140	ug/Kg
O6045-01	MR-300-0-2	Solid	Phenanthrene		560.000		120	ug/Kg
O6045-01	MR-300-0-2	Solid	Pyrene		770.000		110	ug/Kg
Total Svoc :				6,880.00				
Total Concentration:				9,161.60				
Client ID : MR-300-2.0-2.5								
O6045-03	MR-300-2.0-2.5	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	A		
O6045-03	MR-300-2.0-2.5	Solid	Anthracene, 2-methyl-	*	320.000	J		
O6045-03	MR-300-2.0-2.5	Solid	Benzo[e]pyrene	*	81.200	J		
O6045-03	MR-300-2.0-2.5	Solid	Eicosane	*	80.400	J		
O6045-03	MR-300-2.0-2.5	Solid	Perylene	*	280.000	J		
O6045-03	MR-300-2.0-2.5	Solid	Phenanthrene, 1-methyl-	*	130.000	J		
O6045-03	MR-300-2.0-2.5	Solid	Phenanthrene, 2-methyl-	*	84.500	J		
O6045-03	MR-300-2.0-2.5	Solid	unknown18.045	*	83.400	J		
Total Tics :				1,319.50				
O6045-03	MR-300-2.0-2.5	Solid	Benzo(a)anthracene		420.000		92	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Benzo(a)pyrene		360.000		100	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Benzo(b)fluoranthene		460.000		88.1	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Benzo(g,h,i)perylene		200.000		100	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Benzo(k)fluoranthene		150.000	J	96.6	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Chrysene		430.000		95.2	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Fluoranthene		930.000		100	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Indeno(1,2,3-cd)pyrene		180.000	J	120	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Phenanthrene		610.000		100	ug/Kg
O6045-03	MR-300-2.0-2.5	Solid	Pyrene		660.000		91.8	ug/Kg
Total Svoc :				4,400.00				
Total Concentration:				5,719.50				

Hit Summary Sheet SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 72-11978								
P1003-01	72-11978	Solid	(Z)-1-Phenylpropene	*	57.700	J		
P1003-01	72-11978	Solid	1H-Cyclopropa[1]phenanthrene,1a	*	49.200	J		
P1003-01	72-11978	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	A		
P1003-01	72-11978	Solid	8,9-Dihydrocyclopenta[def]phena	*	110.000	J		
P1003-01	72-11978	Solid	9,10-Dimethylanthracene	*	71.600	J		
P1003-01	72-11978	Solid	Anthracene, 9-methyl-	*	63.900	J		
P1003-01	72-11978	Solid	Benzo[e]pyrene	*	180.000	J		
P1003-01	72-11978	Solid	Cyclopenta(def)phenanthrenone	*	54.500	J		
P1003-01	72-11978	Solid	Naphthalene, 2-phenyl-	*	76.900	J		
P1003-01	72-11978	Solid	Pentadecane, 2,6,10,14-tetramethy	*	64.600	J		
P1003-01	72-11978	Solid	Phenanthrene, 2-methyl-	*	250.000	J		
P1003-01	72-11978	Solid	unknown12.404	*	54.500	J		
P1003-01	72-11978	Solid	unknown14.745	*	53.300	J		
Total Tics :				1,296.20				
P1003-01	72-11978	Solid	Benzo(a)anthracene		270.000		58.1	120 ug/Kg
P1003-01	72-11978	Solid	Benzo(a)pyrene		230.000		65.3	120 ug/Kg
P1003-01	72-11978	Solid	Benzo(b)fluoranthene		280.000		55.6	120 ug/Kg
P1003-01	72-11978	Solid	Benzo(g,h,i)perylene		100.000	J	64.1	120 ug/Kg
P1003-01	72-11978	Solid	Benzo(k)fluoranthene		120.000		61	120 ug/Kg
P1003-01	72-11978	Solid	Chrysene		250.000		60.1	120 ug/Kg
P1003-01	72-11978	Solid	Fluoranthene		480.000		65.4	120 ug/Kg
P1003-01	72-11978	Solid	Indeno(1,2,3-cd)pyrene		89.000	J	74.1	120 ug/Kg
P1003-01	72-11978	Solid	Phenanthrene		260.000		64.2	120 ug/Kg
P1003-01	72-11978	Solid	Pyrene		340.000		58	120 ug/Kg
Total Svoc :				2,419.00				
Total Concentration:				3,715.20				
Client ID : SU-04-01022024								
P1004-01	SU-04-01022024	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	A		
P1004-01	SU-04-01022024	Solid	n-Hexadecanoic acid	*	180.000	J		
Total Tics :				450.00				
P1004-01	SU-04-01022024	Solid	Benzo(a)anthracene		140.000	J	110	220 ug/Kg
P1004-01	SU-04-01022024	Solid	Benzo(a)pyrene		120.000	J	120	220 ug/Kg
P1004-01	SU-04-01022024	Solid	Benzo(b)fluoranthene		200.000	J	110	220 ug/Kg
P1004-01	SU-04-01022024	Solid	Chrysene		150.000	J	110	220 ug/Kg
P1004-01	SU-04-01022024	Solid	Fluoranthene		280.000		120	220 ug/Kg
P1004-01	SU-04-01022024	Solid	Pyrene		160.000	J	110	220 ug/Kg
Total Svoc :				1,050.00				
Total Concentration:				1,500.00				
Client ID : NB-7-010324								
P1006-01	NB-7-010324	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	460.000	J		



Hit Summary Sheet
SW-846

SDG No.: BF010424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1006-01	NB-7-010324	Solid	Triphenylphosphine oxide	*	660.000	J		
			Total Tics :			1,120.00		
			Total Concentration:			1,120.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122023

SAS No.: BF122023

SDG No.: BF122023

Instrument ID: _____

Calibration Date(s): 12/20/2023

Calibration Time(s): 09:16

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF122023

SAS No.: BF122023

SDG No.: BF122023

Instrument ID:

Calibration Date(s): 12/20/2023

Calibration Time(s): 09:16

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF122023 SAS No.: BF122023 SDG No.: BF122023
Instrument ID: _____ Calibration Date(s): 12/20/2023
Calibration Time(s): 09:16

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG NO.: BF010424EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 4 2024 12:00AMLab File ID: BF136645.D Time Analyzed: 12:02Instrument 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	PB158180BL	89308	6.79	349722	8.06	184753	9.82
02	PB158180BS	82538	6.79	319407	8.06	164316	9.82
03	PB158204BL	87001	6.78	344505	8.06	180117	9.82
04	PB158204BS	82525	6.79	321859	8.06	168380	9.82
05	PB158038BS	89477	6.79	354306	8.06	186066	9.82
06	GHL-SS-36aMS	60541	6.78	226183	8.06	103932	9.82
07	GHL-SS-36aMSD	60222	6.78	220374	8.06	99894	9.82
08	T-803	57623	6.78	206919	8.06	93740	9.82
09	PB158038BL	88268	6.78	343246	8.06	178402	9.82
10	SB32-2-20231222-7.5-8.5	51897	6.79	185311	8.06	98036	9.82
11	SB32-2-20231222-7.5-8.5MS	52056	6.79	184040	8.07	100792	9.82
12	SB32-2-20231222-7.5-8.5MSD	53007	6.79	188405	8.07	102081	9.82
13	SB32-2-20231222-7.5-8.5-A	49540	6.78	184048	8.06	92300	9.82
14	MR-322-4-6	50274	6.78	188020	8.06	95717	9.82
15	MR-321-0-2	51235	6.78	188427	8.06	91992	9.82
16	MR-300-2.0-2.5	45018	6.78	166377	8.06	83372	9.82
17	GHL-SS-31DL	45938	6.78	175935	8.06	89304	9.82
18	GHL-SS-18-0-2DL	38794	6.78	149996	8.06	78095	9.82
19	GHL-SS-18-2-4DL	41978	6.78	160960	8.06	81999	9.82
20	MR-323-0-2	47240	6.78	174029	8.06	85849	9.82
21	MR-323-6-8	46508	6.78	169108	8.06	81792	9.82
22	72-11978	46646	6.78	174181	8.06	81377	9.82
23	MR-317-0-2	51184	6.78	180408	8.06	86527	9.82
24	SU-04-01022024	45590	6.78	164142	8.06	76418	9.82



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG NO.: BF010424EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 5 2024 12:00AMLab File ID: BF136645.D Time Analyzed: 02:00Instrument 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 SU-04-01022024MS	45119	6.78	161856	8.06	74258 *	9.82
26 SU-04-01022024MSD	46666	6.78	171726	8.06	82066	9.82
27 MR-317-0-2D	45683	6.78	164614	8.06	75407	9.82
28 MR-300-0-2	42327	6.78	154333	8.06	71248 *	9.82
29 NB-7-010324	45000	6.78	164718	8.06	77034	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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG NO.: BF010424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 4 2024 12:00AM

Lab File ID: BF136934.D Time Analyzed: 12:02

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	75671	6.786	300348	8.06	152875	9.82
UPPER LIMIT	151342	7.286	600696	8.563	305750	10.322
LOWER LIMIT	37835.5	6.286	150174	7.563	76437.5	9.322
EPA SAMPLE NO.						
01 PB158180BL	89308	6.79	349722	8.06	184753	9.82
02 PB158180BS	82538	6.79	319407	8.06	164316	9.82
03 PB158204BL	87001	6.78	344505	8.06	180117	9.82
04 PB158204BS	82525	6.79	321859	8.06	168380	9.82
05 PB158038BS	89477	6.79	354306	8.06	186066	9.82
06 GHL-SS-36aMS	60541	6.78	226183	8.06	103932	9.82
07 GHL-SS-36aMSD	60222	6.78	220374	8.06	99894	9.82
08 T-803	57623	6.78	206919	8.06	93740	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.: BF010424 SAS No.: BF010424 SDG NO.: BF010424EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 4 2024 12:00AMLab File ID: BF136944.D Time Analyzed: 17:35Instrument 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	79180	6.787	303255	8.06	158779	9.82
	UPPER LIMIT	158360	7.287	606510	8.563	317558	10.322
	LOWER LIMIT	39590	6.287	151627.5	7.563	79389.5	9.322
	EPA SAMPLE NO.						
01	PB158038BL	88268	6.78	343246	8.06	178402	9.82
02	SB32-2-20231222-7.5-8.5	51897	6.79	185311	8.06	98036	9.82
03	SB32-2-20231222-7.5-8.5MS	52056	6.79	184040	8.07	100792	9.82
04	SB32-2-20231222-7.5-8.5MSD	53007	6.79	188405	8.07	102081	9.82
05	SB32-2-20231222-7.5-8.5-A	49540	6.78	184048	8.06	92300	9.82
06	MR-322-4-6	50274	6.78	188020	8.06	95717	9.82
07	MR-321-0-2	51235	6.78	188427	8.06	91992	9.82
08	MR-300-2.0-2.5	45018	6.78	166377	8.06	83372	9.82
09	GHL-SS-31DL	45938	6.78	175935	8.06	89304	9.82
10	GHL-SS-18-0-2DL	38794 *	6.78	149996 *	8.06	78095 *	9.82
11	GHL-SS-18-2-4DL	41978	6.78	160960	8.06	81999	9.82
12	MR-323-0-2	47240	6.78	174029	8.06	85849	9.82
13	MR-323-6-8	46508	6.78	169108	8.06	81792	9.82
14	72-11978	46646	6.78	174181	8.06	81377	9.82
15	MR-317-0-2	51184	6.78	180408	8.06	86527	9.82
16	SU-04-01022024	45590	6.78	164142	8.06	76418 *	9.82
17	SU-04-01022024MS	45119	6.78	161856	8.06	74258 *	9.82
18	SU-04-01022024MSD	46666	6.78	171726	8.06	82066	9.82
19	MR-317-0-2D	45683	6.78	164614	8.06	75407 *	9.82
20	MR-300-0-2	42327	6.78	154333	8.06	71248 *	9.82
21	NB-7-010324	45000	6.78	164718	8.06	77034 *	9.82

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG NO.: BF010424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 5 2024 12:00AM

Lab File ID: BF136944.D Time Analyzed: 04:05

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	79180	6.787	303255	8.06	158779	9.82
UPPER LIMIT	158360	7.287	606510	8.563	317558	10.322
LOWER LIMIT	39590	6.287	151627.5	7.563	79389.5	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.: BF010424 SAS No.: BF010424 SDG NO.: BF010424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 4 2024 12:00AM

Lab File ID: BF136645.D Time Analyzed: 12:02

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 PB158180BL	386077	11.31	236449	13.97	187129	15.46
02 PB158180BS	325198	11.32	180810	13.97	156989	15.46
03 PB158204BL	360607	11.31	237174	13.97	182203	15.46
04 PB158204BS	337178	11.32	178690	13.97	151058	15.46
05 PB158038BS	363757	11.32	200039	13.97	154085	15.46
06 GHL-SS-36aMS	178803	11.31	129139	13.97	157732	15.46
07 GHL-SS-36aMSD	170037	11.31	128551	13.97	158092	15.45
08 T-803	158690	11.31	128529	13.97	155213	15.45
09 PB158038BL	355276	11.31	212739	13.96	171449	15.45
10 SB32-2-20231222-7.5-8.5	186175	11.31	118129	13.97	130901	15.45
11 SB32-2-20231222-7.5-8.5MS	186675	11.31	115127	13.97	127289	15.45
12 SB32-2-20231222-7.5-8.5MSD	188528	11.31	114413	13.97	136752	15.46
13 SB32-2-20231222-7.5-8.5-A	173021	11.31	113002	13.96	128142	15.45
14 MR-322-4-6	175916	11.31	117555	13.96	133428	15.45
15 MR-321-0-2	174147	11.31	117872	13.96	135328	15.45
16 MR-300-2.0-2.5	155281	11.31	108453	13.96	124527	15.45
17 GHL-SS-31DL	169795	11.31	113831	13.96	125886	15.45
18 GHL-SS-18-0-2DL	145461	11.31	97397	13.97	105857	15.45
19 GHL-SS-18-2-4DL	152088	11.31	105935	13.97	119762	15.45
20 MR-323-0-2	148136	11.31	112410	13.97	127354	15.46
21 MR-323-6-8	144430	11.31	115157	13.97	112872	15.45
22 72-11978	142389	11.31	116309	13.97	107249	15.45

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG NO.: BF010424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 5 2024 12:00AM

Lab File ID: BF136645.D Time Analyzed: 00:57

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 MR-317-0-2	150992	11.31	126661	13.97	116471	15.45
24 SU-04-01022024	137669 *	11.31	116771	13.97	95138	15.46
25 SU-04-01022024MS	138982 *	11.31	114498	13.97	91469	15.46
26 SU-04-01022024MSD	146476	11.31	112186	13.97	85036	15.46
27 MR-317-0-2D	135360 *	11.31	105908	13.97	81893	15.46
28 MR-300-0-2	131302 *	11.31	102510	13.97	74108	15.46
29 NB-7-010324	139963 *	11.31	109044	13.97	81516	15.46

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.: BF010424 SAS No.: BF010424 SDG NO.: BF010424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 4 2024 12:00AM

Lab File ID: BF136934.D Time Analyzed: 12:02

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	296578	11.316	152373	13.974	143152	15.457
UPPER LIMIT	593156	11.816	304746	14.474	286304	15.957
LOWER LIMIT	148289	10.816	76186.5	13.474	71576	14.957
EPA SAMPLE NO.						
01 PB158180BL	386077	11.31	236449	13.97	187129	15.46
02 PB158180BS	325198	11.32	180810	13.97	156989	15.46
03 PB158204BL	360607	11.31	237174	13.97	182203	15.46
04 PB158204BS	337178	11.32	178690	13.97	151058	15.46
05 PB158038BS	363757	11.32	200039	13.97	154085	15.46
06 GHL-SS-36aMS	178803	11.31	129139	13.97	157732	15.46
07 GHL-SS-36aMSD	170037	11.31	128551	13.97	158092	15.45
08 T-803	158690	11.31	128529	13.97	155213	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.: BF010424 SAS No.: BF010424 SDG NO.: BF010424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 4 2024 12:00AM

Lab File ID: BF136944.D Time Analyzed: 17:35

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	309380	11.316	159415	13.968	144146	15.451
UPPER LIMIT	618760	11.816	318830	14.468	288292	15.951
LOWER LIMIT	154690	10.816	79707.5	13.468	72073	14.951
EPA SAMPLE NO.						
01 PB158038BL	355276	11.31	212739	13.96	171449	15.45
02 SB32-2-20231222-7.5-8.5	186175	11.31	118129	13.97	130901	15.45
03 SB32-2-20231222-7.5-8.5MS	186675	11.31	115127	13.97	127289	15.45
04 SB32-2-20231222-7.5-8.5MSD	188528	11.31	114413	13.97	136752	15.46
05 SB32-2-20231222-7.5-8.5-A	173021	11.31	113002	13.96	128142	15.45
06 MR-322-4-6	175916	11.31	117555	13.96	133428	15.45
07 MR-321-0-2	174147	11.31	117872	13.96	135328	15.45
08 MR-300-2.0-2.5	155281	11.31	108453	13.96	124527	15.45
09 GHL-SS-31DL	169795	11.31	113831	13.96	125886	15.45
10 GHL-SS-18-0-2DL	145461 *	11.31	97397	13.97	105857	15.45
11 GHL-SS-18-2-4DL	152088 *	11.31	105935	13.97	119762	15.45
12 MR-323-0-2	148136 *	11.31	112410	13.97	127354	15.46
13 MR-323-6-8	144430 *	11.31	115157	13.97	112872	15.45
14 72-11978	142389 *	11.31	116309	13.97	107249	15.45
15 MR-317-0-2	150992 *	11.31	126661	13.97	116471	15.45
16 SU-04-01022024	137669 *	11.31	116771	13.97	95138	15.46
17 SU-04-01022024MS	138982 *	11.31	114498	13.97	91469	15.46
18 SU-04-01022024MSD	146476 *	11.31	112186	13.97	85036	15.46
19 MR-317-0-2D	135360 *	11.31	105908	13.97	81893	15.46
20 MR-300-0-2	131302 *	11.31	102510	13.97	74108	15.46
21 NB-7-010324	139963 *	11.31	109044	13.97	81516	15.46

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF010424 SAS No.: BF010424 SDG NO.: BF010424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jan 5 2024 12:00AM

Lab File ID: BF136944.D Time Analyzed: 04:05

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	309380	11.316	159415	13.968	144146	15.451
UPPER LIMIT	618760	11.816	318830	14.468	288292	15.951
LOWER LIMIT	154690	10.816	79707.5	13.468	72073	14.951
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB158038BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71					57	103	
	Pyridine	1700	1100	ug/Kg	65					28	98	
	Benzaldehyde	1700	820	ug/Kg	48					10	147	
	Aniline	1700	1100	ug/Kg	65					38	100	
	Phenol	1700	1200	ug/Kg	71					62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76					60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76					65	112	
	1,2-Dichlorobenzene	1700	1200	ug/Kg	71					51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71					52	99	
	1,4-Dichlorobenzene	1700	1200	ug/Kg	71					52	100	
	Benzyl Alcohol	1700	1300	ug/Kg	76					42	116	
	2-Methylphenol	1700	1300	ug/Kg	76					61	108	
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71					51	100	
	Acetophenone	1700	1300	ug/Kg	76					55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76					58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76					63	95	
	Hexachloroethane	1700	1200	ug/Kg	71		*			72	108	
	Nitrobenzene	1700	1200	ug/Kg	71					57	101	
	Isophorone	1700	1300	ug/Kg	76					59	99	
	2-Nitrophenol	1700	1300	ug/Kg	76					61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106					67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76					53	105	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76					62	107	
	1,2,4-Trichlorobenzene	1700	1200	ug/Kg	71					44	110	
	Benzoic acid	1700	1300	ug/Kg	76					10	140	
	Naphthalene	1700	1200	ug/Kg	71					62	100	
	4-Chloroaniline	1700	660	ug/Kg	39					16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71					53	98	
	Caprolactam	1700	1400	ug/Kg	82					67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76					58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76					60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88					45	134	
	2,4,6-Trichlorophenol	1700	1300	ug/Kg	76					59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76					61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76					57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76					58	99	
	2-Nitroaniline	1700	1300	ug/Kg	76					66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82					61	99	
	Acenaphthylene	1700	1300	ug/Kg	76					63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76					61	104	
	3-Nitroaniline	1700	990	ug/Kg	58					28	100	
	Acenaphthene	1700	1300	ug/Kg	76					57	104	
	Total PAH	27200	21600	ug/Kg	79					57	104	
	2,4-Dinitrophenol	3300	2200	ug/Kg	67					37	128	
	4-Nitrophenol	3300	2200	ug/Kg	67					48	119	
	Dibenzofuran	1700	1300	ug/Kg	76					63	99	



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

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB158038BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	3400	2500	ug/Kg	74				60	106	
	2,4-Dinitrotoluene	1700	1200	ug/Kg	71				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1200	ug/Kg	71				64	103	
	4,6-Dinitro-2-methylphenol	1700	1300	ug/Kg	76				76	113	
	N-Nitrosodiphenylamine	1700	1300	ug/Kg	76				56	107	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99	
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98	
	Atrazine	1700	2400	ug/Kg	141		*		67	113	
	Pentachlorophenol	3300	2100	ug/Kg	64		*		67	105	
	Phenanthrene	1700	1300	ug/Kg	76				59	103	
	Anthracene	1700	1300	ug/Kg	76				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzo(a)pyrene	3300	1000	ug/Kg	30				10	98	
	Pyrene	1700	1300	ug/Kg	76				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1300	ug/Kg	76				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130	



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

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB158180BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	800	ug/Kg	47				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1200	ug/Kg	71				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76				65	112	
	1,2-Dichlorobenzene	1700	1200	ug/Kg	71				51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71				52	99	
	1,4-Dichlorobenzene	1700	1200	ug/Kg	71				52	100	
	Benzyl Alcohol	1700	1300	ug/Kg	76				42	116	
	2-Methylphenol	1700	1200	ug/Kg	71				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95	
	Hexachloroethane	1700	1200	ug/Kg	71		*		72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1200	ug/Kg	71				59	99	
	2-Nitrophenol	1700	1300	ug/Kg	76				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1300	ug/Kg	76				10	140	
	Naphthalene	1700	1200	ug/Kg	71				62	100	
	4-Chloroaniline	1700	680	ug/Kg	40				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	134	
	2,4,6-Trichlorophenol	1700	1300	ug/Kg	76				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1300	ug/Kg	76				66	101	
	Dimethylphthalate	1700	1300	ug/Kg	76				61	99	
	Acenaphthylene	1700	1300	ug/Kg	76				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	21600	ug/Kg	79				57	104	
	2,4-Dinitrophenol	3300	2200	ug/Kg	67				37	128	
	4-Nitrophenol	3300	2200	ug/Kg	67				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	



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

SDG No.: BF010424

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB158180BS	2,4-Dinitrotoluene	1700	1300	ug/Kg	76				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2600	ug/Kg	76				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1300	ug/Kg	76				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99	
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98	
	Atrazine	1700	2400	ug/Kg	141		*		67	113	
	Pentachlorophenol	3300	2100	ug/Kg	64		*		67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	1000	ug/Kg	30				10	98	
	Pyrene	1700	1300	ug/Kg	76				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1300	ug/Kg	76				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				62	109	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130	



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

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB158204BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	820	ug/Kg	48				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1200	ug/Kg	71				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76				65	112	
	1,2-Dichlorobenzene	1700	1200	ug/Kg	71				51	102	
	1,3-Dichlorobenzene	1700	1200	ug/Kg	71				52	99	
	1,4-Dichlorobenzene	1700	1200	ug/Kg	71				52	100	
	Benzyl Alcohol	1700	1300	ug/Kg	76				42	116	
	2-Methylphenol	1700	1300	ug/Kg	76				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71				51	100	
	Acetophenone	1700	1300	ug/Kg	76				55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1200	ug/Kg	71		*		72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				67	119	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				53	105	
	2,4-Dichlorophenol	1700	1300	ug/Kg	76				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	710	ug/Kg	42				16	100	
	Hexachlorobutadiene	1700	1200	ug/Kg	71				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	134	
	2,4,6-Trichlorophenol	1700	1300	ug/Kg	76				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1300	ug/Kg	76				66	101	
	Dimethylphthalate	1700	1300	ug/Kg	76				61	99	
	Acenaphthylene	1700	1300	ug/Kg	76				63	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				61	104	
	3-Nitroaniline	1700	980	ug/Kg	58				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	21900	ug/Kg	81				57	104	
	2,4-Dinitrophenol	3300	2200	ug/Kg	67				37	128	
	4-Nitrophenol	3300	2200	ug/Kg	67				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	



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

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB158204BS	2,4-Dinitrotoluene	1700	1300	ug/Kg	76				60	106		
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2600	ug/Kg	76				60	106		
	Diethylphthalate	1700	1300	ug/Kg	76				60	101		
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98		
	Fluorene	1700	1300	ug/Kg	76				61	101		
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103		
	4,6-Dinitro-2-methylphenol	1700	1300	ug/Kg	76				76	113		
	N-Nitrosodiphenylamine	1700	1300	ug/Kg	76				56	107		
	Azobenzene	1700	1300	ug/Kg	76				54	103		
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				55	99		
	Hexachlorobenzene	1700	1300	ug/Kg	76				64	98		
	Atrazine	1700	2400	ug/Kg	141		*		67	113		
	Pentachlorophenol	3300	2200	ug/Kg	67				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1300	ug/Kg	76				61	105		
	Carbazole	1700	1300	ug/Kg	76				61	99		
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104		
	Fluoranthene	1700	1300	ug/Kg	76				57	107		
	Benzidine	3300	1000	ug/Kg	30				10	98		
	Pyrene	1700	1400	ug/Kg	82				59	103		
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103		
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102		
	Chrysene	1700	1300	ug/Kg	76				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				63	111		
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108		
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				62	109		
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109		
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101		
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108		
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130		



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

GHL-SS-36aMS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010424SAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136940.DLab Sample ID: O5897-02MSInstrument ID: BNA_FDate Extracted: 12/20/2023Matrix: (soil/water) SolidDate Analyzed: 01/04/2024Level: (low/med) LOWTime Analyzed: 14:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
GHL-SS-36aMS	O5897-02MS	BF136940.D	01/04/2024
GHL-SS-36aMSD	O5897-02MSD	BF136941.D	01/04/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158038BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010424SAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136945.DLab Sample ID: PB158038BLInstrument ID: BNA_FDate Extracted: 12/23/2023Matrix: (soil/water) SolidDate Analyzed: 01/04/2024Level: (low/med) LOWTime Analyzed: 17:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SB32-2-20231222-7.5-8.5	O6017-01	BF136946.D	01/04/2024
SB32-2-20231222-7.5-8.5MS	O6017-02MS	BF136947.D	01/04/2024
SB32-2-20231222-7.5-8.5MSD	O6017-03MSD	BF136948.D	01/04/2024
SB32-2-20231222-7.5-8.5-A	O6017-05	BF136949.D	01/04/2024
MR-323-0-2	O6015-05	BF136956.D	01/04/2024
MR-323-6-8	O6015-07	BF136957.D	01/04/2024
MR-317-0-2	O6015-01	BF136959.D	01/05/2024
MR-317-0-2D	O6015-03	BF136963.D	01/05/2024
PB158038BS	PB158038BS	BF136939.D	01/04/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MR-322-4-6

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010424SAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136950.DLab Sample ID: O6016-03Instrument ID: BNA_FDate Extracted: 12/24/2023Matrix: (soil/water) SolidDate Analyzed: 01/04/2024Level: (low/med) LOWTime Analyzed: 20:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MR-322-4-6	O6016-03	BF136950.D	01/04/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MR-321-0-2

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010424SAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136951.DLab Sample ID: O6031-01Instrument ID: BNA_FDate Extracted: 12/28/2023Matrix: (soil/water) SolidDate Analyzed: 01/04/2024Level: (low/med) LOWTime Analyzed: 20:46

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MR-321-0-2	O6031-01	BF136951.D	01/04/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

T-803

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010424SAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136942.DLab Sample ID: O6038-06Instrument ID: BNA_FDate Extracted: 12/29/2023Matrix: (soil/water) waterDate Analyzed: 01/04/2024Level: (low/med) LOWTime Analyzed: 15:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
T-803	O6038-06	BF136942.D	01/04/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158180BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BF010424

SAS No.: BF010424

SDG NO.: BF010424

Lab File ID: BF136935.D

Lab Sample ID: PB158180BL

Instrument ID: BNA_F

Date Extracted: 01/02/2024

Matrix: (soil/water) Solid

Date Analyzed: 01/04/2024

Level: (low/med) LOW

Time Analyzed: 12:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB158180BS	PB158180BS	BF136936.D	01/04/2024
MR-300-2.0-2.5	O6045-03	BF136952.D	01/04/2024
MR-300-0-2	O6045-01	BF136964.D	01/05/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158204BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BF010424

SAS No.: BF010424

SDG NO.: BF010424

Lab File ID: BF136937.D

Lab Sample ID: PB158204BL

Instrument ID: BNA_F

Date Extracted: 01/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 01/04/2024

Level: (low/med) LOW

Time Analyzed: 13:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB158204BS	PB158204BS	BF136938.D	01/04/2024
72-11978	P1003-01	BF136958.D	01/05/2024
SU-04-01022024	P1004-01	BF136960.D	01/05/2024
SU-04-01022024MS	P1004-01MS	BF136961.D	01/05/2024
SU-04-01022024MSD	P1004-01MSD	BF136962.D	01/05/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

NB-7-010324

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF010424SAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136965.DLab Sample ID: P1006-01Instrument ID: BNA_FDate Extracted: 01/04/2024Matrix: (soil/water) SolidDate Analyzed: 01/05/2024Level: (low/med) LOWTime Analyzed: 04:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
NB-7-010324	P1006-01	BF136965.D	01/05/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5897-02MS	Client Sample ID:	GHL-SS-36aMS					DataFile:	BF136940.D		
n-Nitrosodimethylamine	5100		4000	ug/Kg	78				66	124	
Pyridine	5100		3900	ug/Kg	76				45	119	
Benzaldehyde	5100		1600	ug/Kg	31				26	163	
Aniline	5100		1900	ug/Kg	37				10	88	
Phenol	5100		3900	ug/Kg	76				67	126	
bis(2-Chloroethyl)ether	5100		4200	ug/Kg	82				74	116	
2-Chlorophenol	5100		4300	ug/Kg	84				61	138	
1,2-Dichlorobenzene	5100		4100	ug/Kg	80				61	105	
1,3-Dichlorobenzene	5100		4200	ug/Kg	82				62	101	
1,4-Dichlorobenzene	5100		4100	ug/Kg	80				63	104	
Benzyl Alcohol	5100		4100	ug/Kg	80				47	126	
2-Methylphenol	5100		3900	ug/Kg	76				66	122	
2,2-oxybis(1-Chloropropane)	5100		4000	ug/Kg	78				52	115	
Acetophenone	5100		4400	ug/Kg	86				75	111	
3+4-Methylphenols	5100		4100	ug/Kg	80				53	132	
N-Nitroso-di-n-propylamine	5100		3900	ug/Kg	76				59	119	
Hexachloroethane	5100		4100	ug/Kg	80				65	117	
Nitrobenzene	5100		4000	ug/Kg	78				70	119	
Isophorone	5100		4000	ug/Kg	78				76	122	
2-Nitrophenol	5100		4400	ug/Kg	86				54	145	
2,4-Dimethylphenol	5100		4900	ug/Kg	96				83	144	
bis(2-Chloroethoxy)methane	5100		4200	ug/Kg	82				68	112	
2,4-Dichlorophenol	5100		4100	ug/Kg	80				72	118	
1,2,4-Trichlorobenzene	5100		4200	ug/Kg	82				57	103	
Benzoic acid	5100		4000	ug/Kg	78				50	104	
Naphthalene	5100		4100	ug/Kg	80				72	110	
4-Chloroaniline	5100		600	ug/Kg	12				10	100	
Hexachlorobutadiene	5100		4200	ug/Kg	82				66	114	
Caprolactam	5100		3700	ug/Kg	73				51	134	
4-Chloro-3-methylphenol	5100		3600	ug/Kg	71				57	132	
2-Methylnaphthalene	5100		3900	ug/Kg	76				59	123	
Hexachlorocyclopentadiene	10200		10300	ug/Kg	101				10	175	
2,4,6-Trichlorophenol	5100		4400	ug/Kg	86				72	117	
2,4,5-Trichlorophenol	5100		4000	ug/Kg	78				72	117	
1,1-Biphenyl	5100		4600	ug/Kg	90				75	113	
2-Chloronaphthalene	5100		4400	ug/Kg	86				67	118	
2-Nitroaniline	5100		3900	ug/Kg	76				69	127	
Dimethylphthalate	5100		4100	ug/Kg	80				70	113	
Acenaphthylene	5100		4600	ug/Kg	90				79	118	
2,6-Dinitrotoluene	5100		3900	ug/Kg	76				70	125	
3-Nitroaniline	5100		2200	ug/Kg	43				20	111	
Acenaphthene	5100		4200	ug/Kg	82				70	121	
Total PAH	81600		67900	ug/Kg	83				70	121	
2,4-Dinitrophenol	10200		6400	ug/Kg	63				16	160	
4-Nitrophenol	10200		6200	ug/Kg	61				45	133	
Dibenzofuran	5100		4200	ug/Kg	82				72	110	
2,4-Dinitrotoluene	5100		3700	ug/Kg	73				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

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	10200		7600	ug/Kg	75				55	128	
Diethylphthalate	5100		3900	ug/Kg	76				70	112	
4-Chlorophenyl-phenylether	5100		4100	ug/Kg	80				71	108	
Fluorene	5100		4200	ug/Kg	82				68	116	
4-Nitroaniline	5100		3300	ug/Kg	65				55	120	
4,6-Dinitro-2-methylphenol	5100		3900	ug/Kg	76				32	145	
N-Nitrosodiphenylamine	5100		4500	ug/Kg	88				73	118	
Azobenzene	5100		3900	ug/Kg	76				73	110	
4-Bromophenyl-phenylether	5100		4400	ug/Kg	86				65	121	
Hexachlorobenzene	5100		4400	ug/Kg	86				67	118	
Atrazine	5100		5300	ug/Kg	104				79	127	
Pentachlorophenol	10200		7000	ug/Kg	69				47	128	
Phenanthrene	5100		4500	ug/Kg	88				72	113	
Anthracene	5100		4300	ug/Kg	84				62	124	
Carbazole	5100		4200	ug/Kg	82				59	119	
Di-n-butylphthalate	5100		4600	ug/Kg	90				69	118	
Fluoranthene	5100		4300	ug/Kg	84				59	125	
Benzidine	10200		1900	ug/Kg	19				10	119	
Pyrene	5100		3400	ug/Kg	67				52	128	
Butylbenzylphthalate	5100		4400	ug/Kg	86				64	126	
3,3-Dichlorobenzidine	5100		3100	ug/Kg	61				10	164	
Benzo(a)anthracene	5100		4400	ug/Kg	86				71	114	
Chrysene	5100		4200	ug/Kg	82				57	121	
bis(2-Ethylhexyl)phthalate	5100		5500	ug/Kg	108				66	127	
Di-n-octyl phthalate	5100		6500	ug/Kg	127	*			71	126	
Benzo(b)fluoranthene	5100		3900	ug/Kg	76				67	121	
Benzo(k)fluoranthene	5100		3900	ug/Kg	76				74	114	
Benzo(a)pyrene	5100		4200	ug/Kg	82				70	142	
Indeno(1,2,3-cd)pyrene	5100		4600	ug/Kg	90				61	125	
Dibenz(a,h)anthracene	5100		4700	ug/Kg	92				67	130	
Benzo(g,h,i)perylene	5100		4400	ug/Kg	86				53	140	
1,2,4,5-Tetrachlorobenzene	5100		4900	ug/Kg	96				69	124	
1,4-Dioxane	5100		4000	ug/Kg	78				46	112	
2,3,4,6-Tetrachlorophenol	5100		4100	ug/Kg	80				56	133	
1-Methylnaphthalene	5100		3800	ug/Kg	75				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5897-02MSD	Client Sample ID:	GHL-SS-36aMSD					DataFile:	BF136941.D		
n-Nitrosodimethylamine	5100		4200	ug/Kg	82		5		66	124	20
Pyridine	5100		3900	ug/Kg	76		0		45	119	20
Benzaldehyde	5100		1600	ug/Kg	31		0		26	163	20
Aniline	5100		1800	ug/Kg	35		6		10	88	20
Phenol	5100		3900	ug/Kg	76		0		67	126	20
bis(2-Chloroethyl)ether	5100		4300	ug/Kg	84		2		74	116	20
2-Chlorophenol	5100		4300	ug/Kg	84		0		61	138	20
1,2-Dichlorobenzene	5100		4200	ug/Kg	82		2		61	105	20
1,3-Dichlorobenzene	5100		4200	ug/Kg	82		0		62	101	20
1,4-Dichlorobenzene	5100		4200	ug/Kg	82		2		63	104	20
Benzyl Alcohol	5100		4200	ug/Kg	82		2		47	126	20
2-Methylphenol	5100		3900	ug/Kg	76		0		66	122	20
2,2-oxybis(1-Chloropropane)	5100		4100	ug/Kg	80		3		52	115	20
Acetophenone	5100		4600	ug/Kg	90		5		75	111	20
3+4-Methylphenols	5100		4000	ug/Kg	78		3		53	132	20
N-Nitroso-di-n-propylamine	5100		4000	ug/Kg	78		3		59	119	20
Hexachloroethane	5100		4200	ug/Kg	82		2		65	117	20
Nitrobenzene	5100		4200	ug/Kg	82		5		70	119	20
Isophorone	5100		4100	ug/Kg	80		3		76	122	20
2-Nitrophenol	5100		4500	ug/Kg	88		2		54	145	20
2,4-Dimethylphenol	5100		4900	ug/Kg	96		0		83	144	20
bis(2-Chloroethoxy)methane	5100		4200	ug/Kg	82		0		68	112	20
2,4-Dichlorophenol	5100		4300	ug/Kg	84		5		72	118	20
1,2,4-Trichlorobenzene	5100		4400	ug/Kg	86		5		57	103	20
Benzoic acid	5100		3900	ug/Kg	76		3		50	104	20
Naphthalene	5100		4300	ug/Kg	84		5		72	110	20
4-Chloroaniline	5100		540	ug/Kg	11		9		10	100	20
Hexachlorobutadiene	5100		4300	ug/Kg	84		2		66	114	20
Caprolactam	5100		3700	ug/Kg	73		0		51	134	20
4-Chloro-3-methylphenol	5100		3800	ug/Kg	75		5		57	132	20
2-Methylnaphthalene	5100		4100	ug/Kg	80		5		59	123	20
Hexachlorocyclopentadiene	10200		10300	ug/Kg	101		0		10	175	20
2,4,6-Trichlorophenol	5100		4500	ug/Kg	88		2		72	117	20
2,4,5-Trichlorophenol	5100		4300	ug/Kg	84		7		72	117	20
1,1-Biphenyl	5100		4800	ug/Kg	94		4		75	113	20
2-Chloronaphthalene	5100		4600	ug/Kg	90		5		67	118	20
2-Nitroaniline	5100		4100	ug/Kg	80		5		69	127	20
Dimethylphthalate	5100		4300	ug/Kg	84		5		70	113	20
Acenaphthylene	5100		4800	ug/Kg	94		4		79	118	20
2,6-Dinitrotoluene	5100		4100	ug/Kg	80		5		70	125	20
3-Nitroaniline	5100		1900	ug/Kg	37		15		20	111	20
Acenaphthene	5100		4500	ug/Kg	88		7		70	121	20
Total PAH	81600		71300	ug/Kg	87		5		70	121	20
2,4-Dinitrophenol	10200		6300	ug/Kg	62		2		16	160	20
4-Nitrophenol	10200		6300	ug/Kg	62		2		45	133	20
Dibenzofuran	5100		4400	ug/Kg	86		5		72	110	20
2,4-Dinitrotoluene	5100		3900	ug/Kg	76		4		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec	RPD	RPD	Limits		
						Qual		Qual	Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	10200		8000	ug/Kg	78		4		55	128	20
Diethylphthalate	5100		4100	ug/Kg	80		5		70	112	20
4-Chlorophenyl-phenylether	5100		4300	ug/Kg	84		5		71	108	20
Fluorene	5100		4400	ug/Kg	86		5		68	116	20
4-Nitroaniline	5100		3500	ug/Kg	69		6		55	120	20
4,6-Dinitro-2-methylphenol	5100		4100	ug/Kg	80		5		32	145	20
N-Nitrosodiphenylamine	5100		4800	ug/Kg	94		7		73	118	20
Azobenzene	5100		4100	ug/Kg	80		5		73	110	20
4-Bromophenyl-phenylether	5100		4700	ug/Kg	92		7		65	121	20
Hexachlorobenzene	5100		4600	ug/Kg	90		5		67	118	20
Atrazine	5100		5600	ug/Kg	110		6		79	127	20
Pentachlorophenol	10200		6900	ug/Kg	68		1		47	128	20
Phenanthrene	5100		4700	ug/Kg	92		4		72	113	20
Anthracene	5100		4600	ug/Kg	90		7		62	124	20
Carbazole	5100		4500	ug/Kg	88		7		59	119	20
Di-n-butylphthalate	5100		4900	ug/Kg	96		6		69	118	20
Fluoranthene	5100		4600	ug/Kg	90		7		59	125	20
Benzidine	10200		2200	ug/Kg	22		15		10	119	20
Pyrene	5100		3500	ug/Kg	69		3		52	128	20
Butylbenzylphthalate	5100		4600	ug/Kg	90		5		64	126	20
3,3-Dichlorobenzidine	5100		3300	ug/Kg	65		6		10	164	20
Benzo(a)anthracene	5100		4700	ug/Kg	92		7		71	114	20
Chrysene	5100		4500	ug/Kg	88		7		57	121	20
bis(2-Ethylhexyl)phthalate	5100		5800	ug/Kg	114		5		66	127	20
Di-n-octyl phthalate	5100		6700	ug/Kg	131	*	3		71	126	20
Benzo(b)fluoranthene	5100		4100	ug/Kg	80		5		67	121	20
Benzo(k)fluoranthene	5100		4000	ug/Kg	78		3		74	114	20
Benzo(a)pyrene	5100		4300	ug/Kg	84		2		70	142	20
Indeno(1,2,3-cd)pyrene	5100		4800	ug/Kg	94		4		61	125	20
Dibenz(a,h)anthracene	5100		4900	ug/Kg	96		4		67	130	20
Benzo(g,h,i)perylene	5100		4600	ug/Kg	90		5		53	140	20
1,2,4,5-Tetrachlorobenzene	5100		5100	ug/Kg	100		4		69	124	20
1,4-Dioxane	5100		4200	ug/Kg	82		5		46	112	20
2,3,4,6-Tetrachlorophenol	5100		4100	ug/Kg	80		0		56	133	20
1-Methylnaphthalene	5100		3900	ug/Kg	76		1		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

		Sample					Rec	RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	O6017-02MS	Client Sample ID:	SB32-2-20231222-7.5-8.5MS					DataFile:	BF136947.D		
n-Nitrosodimethylamine	2100		1600	ug/Kg	76				66	124	
Pyridine	2100		1400	ug/Kg	67				45	119	
Benzaldehyde	2100		810	ug/Kg	39				26	163	
Aniline	2100		500	ug/Kg	24				10	88	
Phenol	2100		1600	ug/Kg	76				67	126	
bis(2-Chloroethyl)ether	2100		1700	ug/Kg	81				74	116	
2-Chlorophenol	2100		1700	ug/Kg	81				61	138	
1,2-Dichlorobenzene	2100		1500	ug/Kg	71				61	105	
1,3-Dichlorobenzene	2100		1500	ug/Kg	71				62	101	
1,4-Dichlorobenzene	2100		1600	ug/Kg	76				63	104	
Benzyl Alcohol	2100		1500	ug/Kg	71				47	126	
2-Methylphenol	2100		1500	ug/Kg	71				66	122	
2,2-oxybis(1-Chloropropane)	2100		1500	ug/Kg	71				52	115	
Acetophenone	2100		1600	ug/Kg	76				75	111	
3+4-Methylphenols	2100		1600	ug/Kg	76				53	132	
N-Nitroso-di-n-propylamine	2100		2000	ug/Kg	95				59	119	
Hexachloroethane	2100		1700	ug/Kg	81				65	117	
Nitrobenzene	2100		2100	ug/Kg	100				70	119	
Isophorone	2100		1700	ug/Kg	81				76	122	
2-Nitrophenol	2100		1800	ug/Kg	86				54	145	
2,4-Dimethylphenol	2100		1300	ug/Kg	62	*			83	144	
bis(2-Chloroethoxy)methane	2100		1700	ug/Kg	81				68	112	
2,4-Dichlorophenol	2100		1900	ug/Kg	90				72	118	
1,2,4-Trichlorobenzene	2100		1700	ug/Kg	81				57	103	
Benzoic acid	2100		1700	ug/Kg	81				50	104	
Naphthalene	2100	3400	4800	ug/Kg	67	*			72	110	
4-Chloroaniline	2100		300	ug/Kg	14				10	100	
Hexachlorobutadiene	2100		1700	ug/Kg	81				66	114	
Caprolactam	2100		2100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2100		1700	ug/Kg	81				57	132	
2-Methylnaphthalene	2100	6800	7900	ug/Kg	52	*			59	123	
Hexachlorocyclopentadiene	4300		2100	ug/Kg	49				10	175	
2,4,6-Trichlorophenol	2100		1700	ug/Kg	81				72	117	
2,4,5-Trichlorophenol	2100		1700	ug/Kg	81				72	117	
1,1-Biphenyl	2100		1800	ug/Kg	86				75	113	
2-Chloronaphthalene	2100		1600	ug/Kg	76				67	118	
2-Nitroaniline	2100		1700	ug/Kg	81				69	127	
Dimethylphthalate	2100		1600	ug/Kg	76				70	113	
Acenaphthylene	2100		1800	ug/Kg	86				79	118	
2,6-Dinitrotoluene	2100		1600	ug/Kg	76				70	125	
3-Nitroaniline	2100		1000	ug/Kg	48				20	111	
Acenaphthene	2100	460	2000	ug/Kg	73				70	121	
Total PAH	33600	13430	39400	ug/Kg	77				70	121	
2,4-Dinitrophenol	4300		2600	ug/Kg	60				16	160	
4-Nitrophenol	4300		2900	ug/Kg	67				45	133	
Dibenzofuran	2100	300	1900	ug/Kg	76				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	4200		3300	ug/Kg	79				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	2100		1700	ug/Kg	81				55	128	
Diethylphthalate	2100		1700	ug/Kg	81				70	112	
4-Chlorophenyl-phenylether	2100		1700	ug/Kg	81				71	108	
Fluorene	2100	430	2100	ug/Kg	80				68	116	
4-Nitroaniline	2100		1300	ug/Kg	62				55	120	
4,6-Dinitro-2-methylphenol	2100		1600	ug/Kg	76				32	145	
N-Nitrosodiphenylamine	2100		1800	ug/Kg	86				73	118	
Azobenzene	2100		1600	ug/Kg	76				73	110	
4-Bromophenyl-phenylether	2100		1700	ug/Kg	81				65	121	
Hexachlorobenzene	2100		1700	ug/Kg	81				67	118	
Atrazine	2100		2200	ug/Kg	105				79	127	
Pentachlorophenol	4300		2900	ug/Kg	67				47	128	
Phenanthrene	2100	2000	3500	ug/Kg	71	*			72	113	
Anthracene	2100	480	2200	ug/Kg	82				62	124	
Carbazole	2100		1800	ug/Kg	86				59	119	
Di-n-butylphthalate	2100		1800	ug/Kg	86				69	118	
Fluoranthene	2100	1700	3300	ug/Kg	76				59	125	
Benzidine	4300			ug/Kg		*			10	119	
Pyrene	2100	1300	2700	ug/Kg	67				52	128	
Butylbenzylphthalate	2100		1800	ug/Kg	86				64	126	
3,3-Dichlorobenzidine	2100		1200	ug/Kg	57				10	164	
Benzo(a)anthracene	2100	770	2400	ug/Kg	78				71	114	
Chrysene	2100	580	2200	ug/Kg	77				57	121	
bis(2-Ethylhexyl)phthalate	2100		2100	ug/Kg	100				66	127	
Di-n-octyl phthalate	2100		2200	ug/Kg	105				71	126	
Benzo(b)fluoranthene	2100	730	2200	ug/Kg	70				67	121	
Benzo(k)fluoranthene	2100	270	1900	ug/Kg	78				74	114	
Benzo(a)pyrene	2100	670	2300	ug/Kg	78				70	142	
Indeno(1,2,3-cd)pyrene	2100	300	2100	ug/Kg	86				61	125	
Dibenz(a,h)anthracene	2100	0	1900	ug/Kg	90				67	130	
Benzo(g,h,i)perylene	2100	340	2000	ug/Kg	79				53	140	
1,2,4,5-Tetrachlorobenzene	2100		1800	ug/Kg	86				69	124	
1,4-Dioxane	2100		1500	ug/Kg	71				46	112	
2,3,4,6-Tetrachlorophenol	2100		1700	ug/Kg	81				56	133	
1-Methylnaphthalene	2100	3400	4700	ug/Kg	62	*			70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O6017-03MSD	Client Sample ID:	SB32-2-20231222-7.5-8.5MSD				DataFile: BF136948.D				
n-Nitrosodimethylamine	2100		1800	ug/Kg	86		12		66	124	20
Pyridine	2100		1500	ug/Kg	71		6		45	119	20
Benzaldehyde	2100		870	ug/Kg	41		5		26	163	20
Aniline	2100		480	ug/Kg	23		4		10	88	20
Phenol	2100		1700	ug/Kg	81		6		67	126	20
bis(2-Chloroethyl)ether	2100		1800	ug/Kg	86		6		74	116	20
2-Chlorophenol	2100		1800	ug/Kg	86		6		61	138	20
1,2-Dichlorobenzene	2100		1700	ug/Kg	81		13		61	105	20
1,3-Dichlorobenzene	2100		1700	ug/Kg	81		13		62	101	20
1,4-Dichlorobenzene	2100		1700	ug/Kg	81		6		63	104	20
Benzyl Alcohol	2100		1700	ug/Kg	81		13		47	126	20
2-Methylphenol	2100		1700	ug/Kg	81		13		66	122	20
2,2-oxybis(1-Chloropropane)	2100		1600	ug/Kg	76		7		52	115	20
Acetophenone	2100		1800	ug/Kg	86		12		75	111	20
3+4-Methylphenols	2100		1800	ug/Kg	86		12		53	132	20
N-Nitroso-di-n-propylamine	2100		2100	ug/Kg	100		5		59	119	20
Hexachloroethane	2100		1900	ug/Kg	90		11		65	117	20
Nitrobenzene	2100		2200	ug/Kg	105		5		70	119	20
Isophorone	2100		1900	ug/Kg	90		11		76	122	20
2-Nitrophenol	2100		2000	ug/Kg	95		10		54	145	20
2,4-Dimethylphenol	2100		1500	ug/Kg	71	*	14		83	144	20
bis(2-Chloroethoxy)methane	2100		1900	ug/Kg	90		11		68	112	20
2,4-Dichlorophenol	2100		2100	ug/Kg	100		11		72	118	20
1,2,4-Trichlorobenzene	2100		1900	ug/Kg	90		11		57	103	20
Benzoic acid	2100		1800	ug/Kg	86		6		50	104	20
Naphthalene	2100	3400	5200	ug/Kg	86		25	*	72	110	20
4-Chloroaniline	2100		290	ug/Kg	14		0		10	100	20
Hexachlorobutadiene	2100		1800	ug/Kg	86		6		66	114	20
Caprolactam	2100		2100	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	2100		1900	ug/Kg	90		11		57	132	20
2-Methylnaphthalene	2100	6800	8500	ug/Kg	81		44	*	59	123	20
Hexachlorocyclopentadiene	4300		2200	ug/Kg	51		4		10	175	20
2,4,6-Trichlorophenol	2100		1900	ug/Kg	90		11		72	117	20
2,4,5-Trichlorophenol	2100		1800	ug/Kg	86		6		72	117	20
1,1-Biphenyl	2100		1900	ug/Kg	90		5		75	113	20
2-Chloronaphthalene	2100		1800	ug/Kg	86		12		67	118	20
2-Nitroaniline	2100		1900	ug/Kg	90		11		69	127	20
Dimethylphthalate	2100		1800	ug/Kg	86		12		70	113	20
Acenaphthylene	2100		2000	ug/Kg	95		10		79	118	20
2,6-Dinitrotoluene	2100		1700	ug/Kg	81		6		70	125	20
3-Nitroaniline	2100		1100	ug/Kg	52		8		20	111	20
Acenaphthene	2100	460	2200	ug/Kg	83		13		70	121	20
Total PAH	33600	13430	41900	ug/Kg	85		10		70	121	20
2,4-Dinitrophenol	4300		2800	ug/Kg	65		8		16	160	20
4-Nitrophenol	4300		3200	ug/Kg	74		10		45	133	20
Dibenzofuran	2100	300	2100	ug/Kg	86		12		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	4200		3400	ug/Kg	81		3		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene	2100		1700	ug/Kg	81		0		55	128	20
Diethylphthalate	2100		1800	ug/Kg	86		6		70	112	20
4-Chlorophenyl-phenylether	2100		1800	ug/Kg	86		6		71	108	20
Fluorene	2100	430	2200	ug/Kg	84		5		68	116	20
4-Nitroaniline	2100		1300	ug/Kg	62		0		55	120	20
4,6-Dinitro-2-methylphenol	2100		1700	ug/Kg	81		6		32	145	20
N-Nitrosodiphenylamine	2100		1900	ug/Kg	90		5		73	118	20
Azobenzene	2100		1700	ug/Kg	81		6		73	110	20
4-Bromophenyl-phenylether	2100		1900	ug/Kg	90		11		65	121	20
Hexachlorobenzene	2100		1800	ug/Kg	86		6		67	118	20
Atrazine	2100		2400	ug/Kg	114		8		79	127	20
Pentachlorophenol	4300		3200	ug/Kg	74		10		47	128	20
Phenanthrene	2100	2000	3800	ug/Kg	86		19		72	113	20
Anthracene	2100	480	2400	ug/Kg	91		10		62	124	20
Carbazole	2100		1900	ug/Kg	90		5		59	119	20
Di-n-butylphthalate	2100		2000	ug/Kg	95		10		69	118	20
Fluoranthene	2100	1700	3500	ug/Kg	86		12		59	125	20
Benzidine	4300			ug/Kg		*			10	119	20
Pyrene	2100	1300	2900	ug/Kg	76		13		52	128	20
Butylbenzylphthalate	2100		2000	ug/Kg	95		10		64	126	20
3,3-Dichlorobenzidine	2100		1300	ug/Kg	62		8		10	164	20
Benzo(a)anthracene	2100	770	2700	ug/Kg	92		16		71	114	20
Chrysene	2100	580	2400	ug/Kg	87		12		57	121	20
bis(2-Ethylhexyl)phthalate	2100		2300	ug/Kg	110		10		66	127	20
Di-n-octyl phthalate	2100		2400	ug/Kg	114		8		71	126	20
Benzo(b)fluoranthene	2100	730	2200	ug/Kg	70		0		67	121	20
Benzo(k)fluoranthene	2100	270	2000	ug/Kg	82		5		74	114	20
Benzo(a)pyrene	2100	670	2400	ug/Kg	82		5		70	142	20
Indeno(1,2,3-cd)pyrene	2100	300	2100	ug/Kg	86		0		61	125	20
Dibenz(a,h)anthracene	2100	0	1900	ug/Kg	90		0		67	130	20
Benzo(g,h,i)perylene	2100	340	2000	ug/Kg	79		0		53	140	20
1,2,4,5-Tetrachlorobenzene	2100		1900	ug/Kg	90		5		69	124	20
1,4-Dioxane	2100		1700	ug/Kg	81		13		46	112	20
2,3,4,6-Tetrachlorophenol	2100		1800	ug/Kg	86		6		56	133	20
1-Methylnaphthalene	2100	3400	5100	ug/Kg	81		27	*	70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
										High		
Lab Sample ID:	P1004-01MS	Client Sample ID:	SU-04-01022024MS					DataFile:	BF136961.D			
n-Nitrosodimethylamine	1100		830	ug/Kg	75				66	124		
Pyridine	1100		810	ug/Kg	74				45	119		
Benzaldehyde	1100		280	ug/Kg	25	*			26	163		
Aniline	1100		780	ug/Kg	71				10	88		
Phenol	1100		880	ug/Kg	80				67	126		
bis(2-Chloroethyl)ether	1100		910	ug/Kg	83				74	116		
2-Chlorophenol	1100		910	ug/Kg	83				61	138		
1,2-Dichlorobenzene	1100		880	ug/Kg	80				61	105		
1,3-Dichlorobenzene	1100		870	ug/Kg	79				62	101		
1,4-Dichlorobenzene	1100		890	ug/Kg	81				63	104		
Benzyl Alcohol	1100		860	ug/Kg	78				47	126		
2-Methylphenol	1100		890	ug/Kg	81				66	122		
2,2-oxybis(1-Chloropropane)	1100		840	ug/Kg	76				52	115		
Acetophenone	1100		1000	ug/Kg	91				75	111		
3+4-Methylphenols	1100		870	ug/Kg	79				53	132		
N-Nitroso-di-n-propylamine	1100		860	ug/Kg	78				59	119		
Hexachloroethane	1100		750	ug/Kg	68				65	117		
Nitrobenzene	1100		880	ug/Kg	80				70	119		
Isophorone	1100		890	ug/Kg	81				76	122		
2-Nitrophenol	1100		870	ug/Kg	79				54	145		
2,4-Dimethylphenol	1100		1200	ug/Kg	109				83	144		
bis(2-Chloroethoxy)methane	1100		900	ug/Kg	82				68	112		
2,4-Dichlorophenol	1100		900	ug/Kg	82				72	118		
1,2,4-Trichlorobenzene	1100		920	ug/Kg	84				57	103		
Benzoic acid	1100		700	ug/Kg	64				50	104		
Naphthalene	1100		910	ug/Kg	83				72	110		
4-Chloroaniline	1100		790	ug/Kg	72				10	100		
Hexachlorobutadiene	1100		860	ug/Kg	78				66	114		
Caprolactam	1100		950	ug/Kg	86				51	134		
4-Chloro-3-methylphenol	1100		840	ug/Kg	76				57	132		
2-Methylnaphthalene	1100		880	ug/Kg	80				59	123		
Hexachlorocyclopentadiene	2200		0	ug/Kg	0	*			10	175		
2,4,6-Trichlorophenol	1100		980	ug/Kg	89				72	117		
2,4,5-Trichlorophenol	1100		940	ug/Kg	85				72	117		
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113		
2-Chloronaphthalene	1100		970	ug/Kg	88				67	118		
2-Nitroaniline	1100		940	ug/Kg	85				69	127		
Dimethylphthalate	1100		970	ug/Kg	88				70	113		
Acenaphthylene	1100		1000	ug/Kg	91				79	118		
2,6-Dinitrotoluene	1100		860	ug/Kg	78				70	125		
3-Nitroaniline	1100		930	ug/Kg	85				20	111		
Acenaphthene	1100		960	ug/Kg	87				70	121		
Total PAH	17600	0	15940	ug/Kg	91				70	121		
2,4-Dinitrophenol	2200		240	ug/Kg	11	*			16	160		
4-Nitrophenol	2200		1400	ug/Kg	64				45	133		
Dibenzofuran	1100		980	ug/Kg	89				72	110		
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1700	ug/Kg	77				55	128		



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1100		840	ug/Kg	76				55	128	
Diethylphthalate	1100		950	ug/Kg	86				70	112	
4-Chlorophenyl-phenylether	1100		950	ug/Kg	86				71	108	
Fluorene	1100		950	ug/Kg	86				68	116	
4-Nitroaniline	1100		930	ug/Kg	85				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		890	ug/Kg	81				73	110	
4-Bromophenyl-phenylether	1100		940	ug/Kg	85				65	121	
Hexachlorobenzene	1100		910	ug/Kg	83				67	118	
Atrazine	1100		1300	ug/Kg	118				79	127	
Pentachlorophenol	2200		1500	ug/Kg	68				47	128	
Phenanthrene	1100		1100	ug/Kg	100				72	113	
Anthracene	1100		1000	ug/Kg	91				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100	280	1300	ug/Kg	93				59	125	
Benzidine	2200		680	ug/Kg	31				10	119	
Pyrene	1100	160	900	ug/Kg	67				52	128	
Butylbenzylphthalate	1100		950	ug/Kg	86				64	126	
3,3-Dichlorobenzidine	1100		1100	ug/Kg	100				10	164	
Benzo(a)anthracene	1100	140	1100	ug/Kg	87				71	114	
Chrysene	1100	150	1100	ug/Kg	86				57	121	
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100				66	127	
Di-n-octyl phthalate	1100		1300	ug/Kg	118				71	126	
Benzo(b)fluoranthene	1100	200	1100	ug/Kg	82				67	121	
Benzo(k)fluoranthene	1100		1100	ug/Kg	100				74	114	
Benzo(a)pyrene	1100	120	1000	ug/Kg	80				70	142	
Indeno(1,2,3-cd)pyrene	1100		830	ug/Kg	75				61	125	
Dibenz(a,h)anthracene	1100		820	ug/Kg	75				67	130	
Benzo(g,h,i)perylene	1100		770	ug/Kg	70				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		870	ug/Kg	79				46	112	
2,3,4,6-Tetrachlorophenol	1100		970	ug/Kg	88				56	133	
1-Methylnaphthalene	1100		850	ug/Kg	77				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1004-01MSD	Client Sample ID:	SU-04-01022024MSD				DataFile:	BF136962.D			
n-Nitrosodimethylamine	1100		820	ug/Kg	75		0		66	124	20
Pyridine	1100		770	ug/Kg	70		6		45	119	20
Benzaldehyde	1100		290	ug/Kg	26		4		26	163	20
Aniline	1100		790	ug/Kg	72		1		10	88	20
Phenol	1100		930	ug/Kg	85		6		67	126	20
bis(2-Chloroethyl)ether	1100		890	ug/Kg	81		2		74	116	20
2-Chlorophenol	1100		940	ug/Kg	85		2		61	138	20
1,2-Dichlorobenzene	1100		890	ug/Kg	81		1		61	105	20
1,3-Dichlorobenzene	1100		870	ug/Kg	79		0		62	101	20
1,4-Dichlorobenzene	1100		910	ug/Kg	83		2		63	104	20
Benzyl Alcohol	1100		890	ug/Kg	81		4		47	126	20
2-Methylphenol	1100		860	ug/Kg	78		4		66	122	20
2,2-oxybis(1-Chloropropane)	1100		850	ug/Kg	77		1		52	115	20
Acetophenone	1100		1000	ug/Kg	91		0		75	111	20
3+4-Methylphenols	1100		920	ug/Kg	84		6		53	132	20
N-Nitroso-di-n-propylamine	1100		880	ug/Kg	80		3		59	119	20
Hexachloroethane	1100		750	ug/Kg	68		0		65	117	20
Nitrobenzene	1100		900	ug/Kg	82		2		70	119	20
Isophorone	1100		900	ug/Kg	82		1		76	122	20
2-Nitrophenol	1100		850	ug/Kg	77		3		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		0		83	144	20
bis(2-Chloroethoxy)methane	1100		950	ug/Kg	86		5		68	112	20
2,4-Dichlorophenol	1100		920	ug/Kg	84		2		72	118	20
1,2,4-Trichlorobenzene	1100		930	ug/Kg	85		1		57	103	20
Benzoic acid	1100		730	ug/Kg	66		3		50	104	20
Naphthalene	1100		930	ug/Kg	85		2		72	110	20
4-Chloroaniline	1100		800	ug/Kg	73		1		10	100	20
Hexachlorobutadiene	1100		890	ug/Kg	81		4		66	114	20
Caprolactam	1100		910	ug/Kg	83		4		51	134	20
4-Chloro-3-methylphenol	1100		890	ug/Kg	81		6		57	132	20
2-Methylnaphthalene	1100		890	ug/Kg	81		1		59	123	20
Hexachlorocyclopentadiene	2200		0	ug/Kg	0	*			10	175	20
2,4,6-Trichlorophenol	1100		970	ug/Kg	88		1		72	117	20
2,4,5-Trichlorophenol	1100		950	ug/Kg	86		1		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		0		75	113	20
2-Chloronaphthalene	1100		960	ug/Kg	87		1		67	118	20
2-Nitroaniline	1100		970	ug/Kg	88		3		69	127	20
Dimethylphthalate	1100		970	ug/Kg	88		0		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		0		79	118	20
2,6-Dinitrotoluene	1100		870	ug/Kg	79		1		70	125	20
3-Nitroaniline	1100		940	ug/Kg	85		0		20	111	20
Acenaphthene	1100		960	ug/Kg	87		0		70	121	20
Total PAH	17600	0	16280	ug/Kg	93		2		70	121	20
2,4-Dinitrophenol	2200		260	ug/Kg	12	*	9		16	160	20
4-Nitrophenol	2200		1400	ug/Kg	64		0		45	133	20
Dibenzofuran	1100		970	ug/Kg	88		1		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1680	ug/Kg	76		1		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1100		810	ug/Kg	74		3		55	128	20
Diethylphthalate	1100		950	ug/Kg	86		0		70	112	20
4-Chlorophenyl-phenylether	1100		940	ug/Kg	85		1		71	108	20
Fluorene	1100		970	ug/Kg	88		2		68	116	20
4-Nitroaniline	1100		940	ug/Kg	85		0		55	120	20
4,6-Dinitro-2-methylphenol	1100		130	ug/Kg	12	*	200	*	32	145	20
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100		9		73	118	20
Azobenzene	1100		880	ug/Kg	80		1		73	110	20
4-Bromophenyl-phenylether	1100		970	ug/Kg	88		3		65	121	20
Hexachlorobenzene	1100		940	ug/Kg	85		2		67	118	20
Atrazine	1100		1300	ug/Kg	118		0		79	127	20
Pentachlorophenol	2200		1500	ug/Kg	68		0		47	128	20
Phenanthrene	1100		1100	ug/Kg	100		0		72	113	20
Anthracene	1100		1000	ug/Kg	91		0		62	124	20
Carbazole	1100		1000	ug/Kg	91		0		59	119	20
Di-n-butylphthalate	1100		1100	ug/Kg	100		9		69	118	20
Fluoranthene	1100	280	1300	ug/Kg	93		0		59	125	20
Benzidine	2200		940	ug/Kg	43		32	*	10	119	20
Pyrene	1100	160	920	ug/Kg	69		3		52	128	20
Butylbenzylphthalate	1100		940	ug/Kg	85		1		64	126	20
3,3-Dichlorobenzidine	1100		1100	ug/Kg	100		0		10	164	20
Benzo(a)anthracene	1100	140	1100	ug/Kg	87		0		71	114	20
Chrysene	1100	150	1100	ug/Kg	86		0		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		8		71	126	20
Benzo(b)fluoranthene	1100	200	1200	ug/Kg	91		10		67	121	20
Benzo(k)fluoranthene	1100		1100	ug/Kg	100		0		74	114	20
Benzo(a)pyrene	1100	120	1100	ug/Kg	89		11		70	142	20
Indeno(1,2,3-cd)pyrene	1100		840	ug/Kg	76		1		61	125	20
Dibenz(a,h)anthracene	1100		860	ug/Kg	78		4		67	130	20
Benzo(g,h,i)perylene	1100		800	ug/Kg	73		4		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		9		69	124	20
1,4-Dioxane	1100		840	ug/Kg	76		4		46	112	20
2,3,4,6-Tetrachlorophenol	1100		870	ug/Kg	79		11		56	133	20
1-Methylnaphthalene	1100		890	ug/Kg	81		5		70	130	20



Surrogate Summary
SW-846

SDG No.: BF010424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5897-02MS	GHL-SS-36aMS	BF136940.D	2-Fluorophenol	150	104.40	70		18	112
			Phenol-d6	150	98.37	66		15	107
			Nitrobenzene-d5	100	70.72	71		18	107
			2-Fluorobiphenyl	100	72.24	72		20	109
			2,4,6-Tribromophenol	150	92.55	62		10	110
			Terphenyl-d14	100	54.43	54		14	112
O5897-02MSD	GHL-SS-36aMSD	BF136941.D	2-Fluorophenol	150	106.15	71		18	112
			Phenol-d6	150	99.25	66		15	107
			Nitrobenzene-d5	100	73.33	73		18	107
			2-Fluorobiphenyl	100	76.49	76		20	109
			2,4,6-Tribromophenol	150	97.05	65		10	110
			Terphenyl-d14	100	56.48	56		14	112
O5897-06DL	GHL-SS-31DL	BF136953.D	2-Fluorophenol	150	104.13	69		18	112
			Phenol-d6	150	99.41	66		15	107
			Nitrobenzene-d5	100	65.92	66		18	107
			2-Fluorobiphenyl	100	69.06	69		20	109
			2,4,6-Tribromophenol	150	98.84	66		10	110
			Terphenyl-d14	100	58.86	59		14	112

Surrogate Summary

SW-846

SDG No.: **BF010424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O6015-01	MR-317-0-2	BF136959.D	2-Fluorophenol	150	105.38	70		18	112
			Phenol-d6	150	100.32	67		15	107
			Nitrobenzene-d5	100	72.37	72		18	107
			2-Fluorobiphenyl	100	84.21	84		20	109
			2,4,6-Tribromophenol	150	101.69	68		10	110
			Terphenyl-d14	100	57.32	57		14	112
O6015-03	MR-317-0-2D	BF136963.D	2-Fluorophenol	150	93.51	62		18	112
			Phenol-d6	150	86.96	58		15	107
			Nitrobenzene-d5	100	61.26	61		18	107
			2-Fluorobiphenyl	100	67.91	68		20	109
			2,4,6-Tribromophenol	150	87.03	58		10	110
			Terphenyl-d14	100	50.02	50		14	112
O6015-05	MR-323-0-2	BF136956.D	2-Fluorophenol	150	90.30	60		18	112
			Phenol-d6	150	86.36	58		15	107
			Nitrobenzene-d5	100	59.21	59		18	107
			2-Fluorobiphenyl	100	58.62	59		20	109
			2,4,6-Tribromophenol	150	80.29	54		10	110
			Terphenyl-d14	100	43.77	44		14	112
O6015-07	MR-323-6-8	BF136957.D	2-Fluorophenol	150	85.56	57		18	112
			Phenol-d6	150	82.29	55		15	107
			Nitrobenzene-d5	100	56.72	57		18	107
			2-Fluorobiphenyl	100	59.43	59		20	109
			2,4,6-Tribromophenol	150	73.36	49		10	110
			Terphenyl-d14	100	42.41	42		14	112
O6017-01	SB32-2-20231222-7	BF136946.D	2-Fluorophenol	150	72.55	48		18	112
			Phenol-d6	150	77.80	52		15	107
			Nitrobenzene-d5	100	57.02	57		18	107
			2-Fluorobiphenyl	100	61.19	61		20	109
			2,4,6-Tribromophenol	150	47.50	32		10	110
			Terphenyl-d14	100	53.42	53		14	112
O6017-02MS	SB32-2-20231222-7	BF136947.D	2-Fluorophenol	150	88.20	59		18	112
			Phenol-d6	150	84.44	56		15	107
			Nitrobenzene-d5	100	57.16	57		18	107
			2-Fluorobiphenyl	100	58.04	58		20	109
			2,4,6-Tribromophenol	150	85.63	57		10	110
			Terphenyl-d14	100	54.08	54		14	112
O6017-03MSD	SB32-2-20231222-7	BF136948.D	2-Fluorophenol	150	96.69	64		18	112
			Phenol-d6	150	90.99	61		15	107
			Nitrobenzene-d5	100	62.90	63		18	107
			2-Fluorobiphenyl	100	63.15	63		20	109
			2,4,6-Tribromophenol	150	91.67	61		10	110
			Terphenyl-d14	100	58.74	59		14	112
O6017-05	SB32-2-20231222-7	BF136949.D	2-Fluorophenol	150	94.73	63		18	112
			Phenol-d6	150	89.05	59		15	107
			Nitrobenzene-d5	100	60.18	60		18	107
			2-Fluorobiphenyl	100	60.81	61		20	109
			2,4,6-Tribromophenol	150	86.49	58		10	110
			Terphenyl-d14	100	48.17	48		14	112
PB158038BL	PB158038BL	BF136945.D	2-Fluorophenol	150	142.08	95		18	112
			Phenol-d6	150	138.15	92		15	107
			Nitrobenzene-d5	100	93.31	93		18	107



Surrogate Summary
SW-846

SDG No.: BF010424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB158038BL	PB158038BL	BF136945.D	2-Fluorobiphenyl	100	94.08	94		20	109
			2,4,6-Tribromophenol	150	136.67	91		10	110
			Terphenyl-d14	100	93.44	93		14	112
PB158038BS	PB158038BS	BF136939.D	2-Fluorophenol	150	111.99	75		18	112
			Phenol-d6	150	108.86	73		15	107
			Nitrobenzene-d5	100	72.49	72		18	107
			2-Fluorobiphenyl	100	73.15	73		20	109
			2,4,6-Tribromophenol	150	112.97	75		10	110
			Terphenyl-d14	100	79.80	80		14	112



Surrogate Summary
SW-846

SDG No.: BF010424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5899-21DL	GHL-SS-18-0-2DL	BF136954.D	2-Fluorophenol	150	96.32	64		18	112
			Phenol-d6	150	88.99	59		15	107
			Nitrobenzene-d5	100	61.51	62		18	107
			2-Fluorobiphenyl	100	72.86	73		20	109
			2,4,6-Tribromophenol	150	92.74	62		10	110
			Terphenyl-d14	100	62.81	63		14	112
O5899-22DL	GHL-SS-18-2-4DL	BF136955.D	2-Fluorophenol	150	89.08	59		18	112
			Phenol-d6	150	87.05	58		15	107
			Nitrobenzene-d5	100	55.61	56		18	107
			2-Fluorobiphenyl	100	69.44	69		20	109
			2,4,6-Tribromophenol	150	83.65	56		10	110
			Terphenyl-d14	100	61.30	61		14	112
O6016-03	MR-322-4-6	BF136950.D	2-Fluorophenol	150	86.49	58		18	112
			Phenol-d6	150	84.18	56		15	107
			Nitrobenzene-d5	100	58.21	58		18	107
			2-Fluorobiphenyl	100	62.62	63		20	109
			2,4,6-Tribromophenol	150	84.00	56		10	110
			Terphenyl-d14	100	52.37	52		14	112



Surrogate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O6031-01	MR-321-0-2	BF136951.D	2-Fluorophenol	150	79.39	53		18	112
			Phenol-d6	150	77.73	52		15	107
			Nitrobenzene-d5	100	54.06	54		18	107
			2-Fluorobiphenyl	100	56.78	57		20	109
			2,4,6-Tribromophenol	150	77.61	52		10	110
			Terphenyl-d14	100	44.68	45		14	112



Surrogate Summary
SW-846

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O6038-06	T-803	BF136942.D	2-Fluorophenol	150	82.12	55		10	139
			Phenol-d6	150	70.52	47		10	134
			Nitrobenzene-d5	100	84.18	84		49	133
			2-Fluorobiphenyl	100	94.93	95		52	132
			2,4,6-Tribromophenol	150	89.72	60		32	145
			Terphenyl-d14	100	72.52	73		36	145



Surrogate Summary

SW-846

SDG No.: BF010424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O6045-01	MR-300-0-2	BF136964.D	2-Fluorophenol	150	69.04	46		18	112
			Phenol-d6	150	64.36	43		15	107
			Nitrobenzene-d5	100	44.45	44		18	107
			2-Fluorobiphenyl	100	45.82	46		20	109
			2,4,6-Tribromophenol	150	64.44	43		10	110
			Terphenyl-d14	100	30.99	31		14	112
O6045-03	MR-300-2.0-2.5	BF136952.D	2-Fluorophenol	150	67.27	45		18	112
			Phenol-d6	150	65.24	43		15	107
			Nitrobenzene-d5	100	45.07	45		18	107
			2-Fluorobiphenyl	100	48.69	49		20	109
			2,4,6-Tribromophenol	150	67.08	45		10	110
			Terphenyl-d14	100	41.31	41		14	112
PB158180BL	PB158180BL	BF136935.D	2-Fluorophenol	150	142.98	95		18	112
			Phenol-d6	150	136.89	91		15	107
			Nitrobenzene-d5	100	94.90	95		18	107
			2-Fluorobiphenyl	100	93.92	94		20	109
			2,4,6-Tribromophenol	150	138.67	92		10	110
			Terphenyl-d14	100	92.91	93		14	112
PB158180BS	PB158180BS	BF136936.D	2-Fluorophenol	150	109.17	73		18	112
			Phenol-d6	150	104.82	70		15	107
			Nitrobenzene-d5	100	72.42	72		18	107
			2-Fluorobiphenyl	100	73.86	74		20	109
			2,4,6-Tribromophenol	150	115.45	77		10	110
			Terphenyl-d14	100	79.05	79		14	112

Surrogate Summary

SW-846

SDG No.: **BF010424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1003-01	72-11978	BF136958.D	2-Fluorophenol	150	81.34	54		18	112
			Phenol-d6	150	77.17	51		15	107
			Nitrobenzene-d5	100	52.82	53		18	107
			2-Fluorobiphenyl	100	53.79	54		20	109
			2,4,6-Tribromophenol	150	74.71	50		10	110
			Terphenyl-d14	100	35.13	35		14	112
P1004-01	SU-04-01022024	BF136960.D	2-Fluorophenol	150	114.90	77		18	112
			Phenol-d6	150	107.41	72		15	107
			Nitrobenzene-d5	100	74.56	75		18	107
			2-Fluorobiphenyl	100	85.84	86		20	109
			2,4,6-Tribromophenol	150	104.88	70		10	110
			Terphenyl-d14	100	63.34	63		14	112
P1004-01MS	SU-04-01022024M	BF136961.D	2-Fluorophenol	150	109.44	73		18	112
			Phenol-d6	150	100.84	67		15	107
			Nitrobenzene-d5	100	70.49	70		18	107
			2-Fluorobiphenyl	100	81.76	82		20	109
			2,4,6-Tribromophenol	150	104.90	70		10	110
			Terphenyl-d14	100	61.80	62		14	112
P1004-01MSD	SU-04-01022024M	BF136962.D	2-Fluorophenol	150	110.62	74		18	112
			Phenol-d6	150	102.79	69		15	107
			Nitrobenzene-d5	100	70.23	70		18	107
			2-Fluorobiphenyl	100	81.94	82		20	109
			2,4,6-Tribromophenol	150	101.11	67		10	110
			Terphenyl-d14	100	62.65	63		14	112
PB158204BL	PB158204BL	BF136937.D	2-Fluorophenol	150	143.27	96		18	112
			Phenol-d6	150	137.25	92		15	107
			Nitrobenzene-d5	100	94.30	94		18	107
			2-Fluorobiphenyl	100	92.91	93		20	109
			2,4,6-Tribromophenol	150	136.64	91		10	110
			Terphenyl-d14	100	87.87	88		14	112
PB158204BS	PB158204BS	BF136938.D	2-Fluorophenol	150	111.44	74		18	112
			Phenol-d6	150	108.44	72		15	107
			Nitrobenzene-d5	100	72.51	73		18	107
			2-Fluorobiphenyl	100	74.16	74		20	109
			2,4,6-Tribromophenol	150	117.15	78		10	110
			Terphenyl-d14	100	82.34	82		14	112



Surrogate Summary
SW-846

SDG No.: BF010424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1006-01	NB-7-010324	BF136965.D	2-Fluorophenol	150	100.93	67		18	112
			Phenol-d6	150	90.58	60		15	107
			Nitrobenzene-d5	100	59.33	59		18	107
			2-Fluorobiphenyl	100	76.27	76		20	109
			2,4,6-Tribromophenol	150	83.92	56		10	110
			Terphenyl-d14	100	57.84	58		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF010424Lab Code: CHEMSAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136933.DDFTPP Injection Date: 01/04/2024Instrument ID: BNA_FDFTPP Injection Time: 10:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.2
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	5.8
275	10.0 - 60.0% of mass 198	25.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.3 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136934.D	01/04/2024	11:31
PB158180BL	PB158180BL	BF136935.D	01/04/2024	12:02
PB158180BS	PB158180BS	BF136936.D	01/04/2024	12:32
PB158204BL	PB158204BL	BF136937.D	01/04/2024	13:03
PB158204BS	PB158204BS	BF136938.D	01/04/2024	13:35
PB158038BS	PB158038BS	BF136939.D	01/04/2024	14:06
GHL-SS-36aMS	O5897-02MS	BF136940.D	01/04/2024	14:43
GHL-SS-36aMSD	O5897-02MSD	BF136941.D	01/04/2024	15:14
T-803	O6038-06	BF136942.D	01/04/2024	15:45



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF010424

Lab Code: CHEM

SAS No.: BF010424 SDG NO.: BF010424

Lab File ID: BF136943.D

DFTPP Injection Date: 01/04/2024

Instrument ID: BNA_F

DFTPP Injection Time: 16:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.6
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	99.7
443	15.0 - 24.0% of mass 442	18.3 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136944.D	01/04/2024	17:04
PB158038BL	PB158038BL	BF136945.D	01/04/2024	17:35
SB32-2-20231222-7.5-8.5	O6017-01	BF136946.D	01/04/2024	18:09
SB32-2-20231222-7.5-8.5MS	O6017-02MS	BF136947.D	01/04/2024	18:41
SB32-2-20231222-7.5-8.5MSD	O6017-03MSD	BF136948.D	01/04/2024	19:13
SB32-2-20231222-7.5-8.5-A	O6017-05	BF136949.D	01/04/2024	19:44
MR-322-4-6	O6016-03	BF136950.D	01/04/2024	20:15
MR-321-0-2	O6031-01	BF136951.D	01/04/2024	20:46
MR-300-2.0-2.5	O6045-03	BF136952.D	01/04/2024	21:17
GHL-SS-31DL	O5897-06DL	BF136953.D	01/04/2024	21:49
GHL-SS-18-0-2DL	O5899-21DL	BF136954.D	01/04/2024	22:20
GHL-SS-18-2-4DL	O5899-22DL	BF136955.D	01/04/2024	22:52
MR-323-0-2	O6015-05	BF136956.D	01/04/2024	23:23
MR-323-6-8	O6015-07	BF136957.D	01/04/2024	23:54
72-11978	P1003-01	BF136958.D	01/05/2024	00:25
MR-317-0-2	O6015-01	BF136959.D	01/05/2024	00:57
SU-04-01022024	P1004-01	BF136960.D	01/05/2024	01:28
SU-04-01022024MS	P1004-01MS	BF136961.D	01/05/2024	02:00
SU-04-01022024MSD	P1004-01MSD	BF136962.D	01/05/2024	02:31



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF010424Lab Code: CHEMSAS No.: BF010424 SDG NO.: BF010424Lab File ID: BF136943.DDFTPP Injection Date: 01/04/2024Instrument ID: BNA_FDFTPP Injection Time: 16:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.6
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	99.7
443	15.0 - 24.0% of mass 442	18.3 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
MR-317-0-2D	O6015-03	BF136963.D	01/05/2024	03:03
MR-300-0-2	O6045-01	BF136964.D	01/05/2024	03:34
NB-7-010324	P1006-01	BF136965.D	01/05/2024	04:05