

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG No.: BM082024

Instrument ID: BNA_M Calibration Date/Time: 8/20/2024 1:09:11

Lab File ID: BM047263.D Init. Calib. Date(s): _____

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.594	0.481		-19.024	
Pyridine	1.360	1.126		-17.206	
2-Fluorophenol	1.119	1.015		-9.294	
Benzaldehyde	0.904	0.813		-10.066	
Aniline	1.458	1.281		-12.14	
Phenol-d6	1.542	1.373		-10.96	
Phenol	1.539	1.363		-11.436	20.0
bis(2-Chloroethyl)ether	1.318	1.151		-12.671	
2-Chlorophenol	1.221	1.123		-8.026	
1,2-Dichlorobenzene	1.386	1.289		-6.999	
1,3-Dichlorobenzene	1.451	1.378		-5.031	
1,4-Dichlorobenzene	1.469	1.385		-5.718	20.0
Benzyl Alcohol	1.098	0.985		-10.291	
2-Methylphenol	1.027	0.938		-8.666	
2,2-oxybis(1-Chloropropane)	1.691	1.403		-17.031	
Acetophenone	0.483	0.451		-6.625	
3+4-Methylphenols	1.435	1.303		-9.199	
n-Nitroso-di-n-propylamine	1.039	0.886	0.050	-14.726	
Nitrobenzene-d5	0.397	0.355		-10.579	
Hexachloroethane	0.569	0.524		-7.909	
Nitrobenzene	0.400	0.366		-8.5	
Isophorone	0.692	0.656		-5.202	
2-Nitrophenol	0.177	0.187		5.65	20.0
2,4-Dimethylphenol	0.207	0.204		-1.449	
bis(2-Chloroethoxy)methane	0.435	0.410		-5.747	
2,4-Dichlorophenol	0.308	0.325		5.519	20.0
1,2,4-Trichlorobenzene	0.348	0.360		3.448	
Benzoic acid	0.241	0.262		8.714	
Naphthalene	0.996	0.950		-4.618	
4-Chloroaniline	0.383	0.362		-5.483	
Hexachlorobutadiene	0.204	0.227		11.275	20.0
Caprolactam	0.107	0.106		-0.935	
4-Chloro-3-methylphenol	0.328	0.322		-1.829	20.0
2-Methylnaphthalene	0.709	0.693		-2.257	
Hexachlorocyclopentadiene	0.190	0.181	0.050	-4.737	
2,4,6-Trichlorophenol	0.388	0.409		5.412	20.0
2-Fluorobiphenyl	1.297	1.265		-2.467	
2,4,5-Trichlorophenol	0.430	0.451		4.884	
1,1-Biphenyl	1.424	1.360		-4.494	

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.113	1.054		-5.301	
2-Nitroaniline	0.349	0.322		-7.736	
Dimethylphthalate	1.397	1.367		-2.147	
Acenaphthylene	1.640	1.566		-4.512	
2,6-Dinitrotoluene	0.327	0.327		0.0	
3-Nitroaniline	0.327	0.315		-3.67	
Acenaphthene	1.041	0.987		-5.187	20.0
2,4-Dinitrophenol	0.196	0.199	0.050	1.531	
4-Nitrophenol	0.282	0.261	0.050	-7.447	
Dibenzofuran	1.644	1.582		-3.771	
2,4-Dinitrotoluene	0.436	0.435		-0.229	
Diethylphthalate	1.426	1.366		-4.208	
4-Chlorophenyl-phenylether	0.646	0.651		0.774	
Fluorene	1.356	1.293		-4.646	
4-Nitroaniline	0.322	0.299		-7.143	
4,6-Dinitro-2-methylphenol	0.117	0.125		6.838	
n-Nitrosodiphenylamine	0.545	0.525		-3.67	20.0
Azobenzene	1.352	1.192		-11.834	
2,4,6-Tribromophenol	0.232	0.241		3.879	
4-Bromophenyl-phenylether	0.193	0.200		3.627	
Hexachlorobenzene	0.231	0.233		0.866	
Atrazine	0.164	0.157		-4.268	
Pentachlorophenol	0.162	0.166		2.469	20.0
Phenanthrene	1.004	0.946		-5.777	
Anthracene	0.977	0.931		-4.708	
Carbazole	0.997	0.920		-7.723	
Di-n-butylphthalate	1.160	1.126		-2.931	
Fluoranthene	1.221	1.152		-5.651	20.0
Benzidine	0.339	0.418		23.304	
Pyrene	1.428	1.561		9.314	
Terphenyl-d14	0.933	1.141		22.294	
Butylbenzylphthalate	0.583	0.660		13.208	
3,3-Dichlorobenzidine	0.415	0.441		6.265	
Benzo(a)anthracene	1.328	1.276		-3.916	
Chrysene	1.260	1.189		-5.635	
Bis(2-ethylhexyl)phthalate	0.826	0.910		10.169	
Di-n-octyl phthalate	1.405	1.498		6.619	20.0
Benzo(b)fluoranthene	1.188	1.150		-3.199	
Benzo(k)fluoranthene	1.122	1.114		-0.713	

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Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_M Calibration Date/Time: 8/20/2024 1:09:11

Lab File ID: BM047263.D Init. Calib. Date(s): _____

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.029	0.993		-3.499	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.213		-6.187	
Dibenzo(a,h)anthracene	1.046	0.975		-6.788	
Benzo(g,h,i)perylene	1.086	1.031		-5.064	
1,2,4,5-Tetrachlorobenzene	0.546	0.588		7.692	
1,4-Dioxane	0.464	0.404		-12.931	20.0
2,3,4,6-Tetrachlorophenol	0.354	0.370		4.52	
1-Methylnaphthalene	0.701	0.685		-2.282	

All other compounds must meet a minimum RRF of 0.010.

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG No.: BM082024

Instrument ID: BNA_M Calibration Date/Time: 8/20/2024 1:16:55

Lab File ID: BM047273.D Init. Calib. Date(s): _____

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.594	0.477		-19.697	
Pyridine	1.360	1.085		-20.221	
2-Fluorophenol	1.119	0.994		-11.171	
Benzaldehyde	0.904	0.745		-17.588	
Aniline	1.458	1.165		-20.096	
Phenol-d6	1.542	1.269		-17.704	
Phenol	1.539	1.246		-19.038	20.0
bis(2-Chloroethyl) ether	1.318	1.085		-17.678	
2-Chlorophenol	1.221	1.069		-12.449	
1,2-Dichlorobenzene	1.386	1.252		-9.668	
1,3-Dichlorobenzene	1.451	1.352		-6.823	
1,4-Dichlorobenzene	1.469	1.351		-8.033	20.0
Benzyl Alcohol	1.098	0.887		-19.217	
2-Methylphenol	1.027	0.857		-16.553	
2,2-oxybis(1-Chloropropane)	1.691	1.326		-21.585	
Acetophenone	0.483	0.426		-11.801	
3+4-Methylphenols	1.435	1.166		-18.746	
n-Nitroso-di-n-propylamine	1.039	0.773	0.050	-25.602	
Nitrobenzene-d5	0.397	0.350		-11.839	
Hexachloroethane	0.569	0.522		-8.26	
Nitrobenzene	0.400	0.355		-11.25	
Isophorone	0.692	0.596		-13.873	
2-Nitrophenol	0.177	0.173		-2.26	20.0
2,4-Dimethylphenol	0.207	0.190		-8.213	
bis(2-Chloroethoxy) methane	0.435	0.384		-11.724	
2,4-Dichlorophenol	0.308	0.300		-2.597	20.0
1,2,4-Trichlorobenzene	0.348	0.349		0.287	
Benzoic acid	0.241	0.218		-9.544	
Naphthalene	0.996	0.903		-9.337	
4-Chloroaniline	0.383	0.328		-14.36	
Hexachlorobutadiene	0.204	0.220		7.843	20.0
Caprolactam	0.107	0.084		-21.495	
4-Chloro-3-methylphenol	0.328	0.278		-15.244	20.0
2-Methylnaphthalene	0.709	0.628		-11.425	
Hexachlorocyclopentadiene	0.190	0.178	0.050	-6.316	
2,4,6-Trichlorophenol	0.388	0.386		-0.515	20.0
2-Fluorobiphenyl	1.297	1.251		-3.547	
2,4,5-Trichlorophenol	0.430	0.425		-1.163	
1,1-Biphenyl	1.424	1.330		-6.601	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.113	1.034		-7.098	
2-Nitroaniline	0.349	0.295		-15.473	
Dimethylphthalate	1.397	1.231		-11.883	
Acenaphthylene	1.640	1.497		-8.72	
2,6-Dinitrotoluene	0.327	0.298		-8.869	
3-Nitroaniline	0.327	0.275		-15.902	
Acenaphthene	1.041	0.935		-10.183	20.0
2,4-Dinitrophenol	0.196	0.160	0.050	-18.367	
4-Nitrophenol	0.282	0.215	0.050	-23.759	
Dibenzofuran	1.644	1.484		-9.732	
2,4-Dinitrotoluene	0.436	0.377		-13.532	
Diethylphthalate	1.426	1.213		-14.937	
4-Chlorophenyl-phenylether	0.646	0.591		-8.514	
Fluorene	1.356	1.194		-11.947	
4-Nitroaniline	0.322	0.254		-21.118	
4,6-Dinitro-2-methylphenol	0.117	0.113		-3.419	
n-Nitrosodiphenylamine	0.545	0.514		-5.688	20.0
Azobenzene	1.352	1.093		-19.157	
2,4,6-Tribromophenol	0.232	0.214		-7.759	
4-Bromophenyl-phenylether	0.193	0.196		1.554	
Hexachlorobenzene	0.231	0.228		-1.299	
Atrazine	0.164	0.134		-18.293	
Pentachlorophenol	0.162	0.152		-6.173	20.0
Phenanthrene	1.004	0.897		-10.657	
Anthracene	0.977	0.887		-9.212	
Carbazole	0.997	0.851		-14.644	
Di-n-butylphthalate	1.160	1.035		-10.776	
Fluoranthene	1.221	1.031		-15.561	20.0
Benzidine	0.339	0.433		27.729	
Pyrene	1.428	1.417		-0.77	
Terphenyl-d14	0.933	0.957		2.572	
Butylbenzylphthalate	0.583	0.587		0.686	
3,3-Dichlorobenzidine	0.415	0.402		-3.133	
Benzo(a)anthracene	1.328	1.232		-7.229	
Chrysene	1.260	1.143		-9.286	
Bis(2-ethylhexyl)phthalate	0.826	0.826		0.0	
Di-n-octyl phthalate	1.405	1.395		-0.712	20.0
Benzo(b)fluoranthene	1.188	1.051		-11.532	
Benzo(k)fluoranthene	1.122	0.960		-14.439	

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GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.029	0.911		-11.467	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.186		-8.275	
Dibenzo(a,h)anthracene	1.046	0.962		-8.031	
Benzo(g,h,i)perylene	1.086	1.017		-6.354	
1,2,4,5-Tetrachlorobenzene	0.546	0.585		7.143	
1,4-Dioxane	0.464	0.414		-10.776	20.0
2,3,4,6-Tetrachlorophenol	0.354	0.336		-5.085	
1-Methylnaphthalene	0.701	0.614		-12.411	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BL	SDG No.:	BM082024
Lab Sample ID:	PB162798BL	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
BM047264.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BL	SDG No.:	BM082024
Lab Sample ID:	PB162798BL	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
BM047264.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BL	SDG No.:	BM082024
Lab Sample ID:	PB162798BL	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
BM047264.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119.328		18-112		80	SPK: -150
13127-88-3	Phenol-d6	110.891		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	75.504		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	79.838		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BL	SDG No.:	BM082024
Lab Sample ID:	PB162798BL	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
BM047264.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.445		10-116		89	SPK: -150
1718-51-0	Terphenyl-d14	88.248		10-105		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	275628	7.363				
1146-65-2	Naphthalene-d8	1036930	10.116				
15067-26-2	Acenaphthene-d10	708027	14.021				
1517-22-2	Phenanthrene-d10	1582815	16.786				
1719-03-5	Chrysene-d12	1612647	21.027				
1520-96-3	Perylene-d12	1505102	23.727				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.569	

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BS	SDG No.:	BM082024
Lab Sample ID:	PB162798BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047265.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.7	270	330	ug/Kg
110-86-1	Pyridine	910		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	480		180	270	330	ug/Kg
62-53-3	Aniline	850		96.8	130	170	ug/Kg
108-95-2	Phenol	1300		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1300		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1300		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1700		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BS	SDG No.:	BM082024
Lab Sample ID:	PB162798BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047265.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1100		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4600	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1300		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81	130	170	ug/Kg
Total PAH	Total PAH	25900		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2200		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2700		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1300		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1100		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1300		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BS	SDG No.:	BM082024
Lab Sample ID:	PB162798BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047265.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2800	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1300		81.6	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1700		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120.246		18-112		80	SPK: -150
13127-88-3	Phenol-d6	107.714		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	77.833		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	89.604		20-109		90	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162798BS	SDG No.:	BM082024
Lab Sample ID:	PB162798BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047265.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	115.95		10-116		77	SPK: -150
1718-51-0	Terphenyl-d14	114.061	*	10-105		114	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	394850	7.363				
1146-65-2	Naphthalene-d8	1380442	10.116				
15067-26-2	Acenaphthene-d10	769634	14.021				
1517-22-2	Phenanthrene-d10	1337115	16.786				
1719-03-5	Chrysene-d12	871812	21.027				
1520-96-3	Perylene-d12	1045421	23.721				

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047266.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	160	U	160	500	610	ug/Kg
110-86-1	Pyridine	150	U	150	240	310	ug/Kg
100-52-7	Benzaldehyde	330	U	330	500	610	ug/Kg
62-53-3	Aniline	180	U	180	240	310	ug/Kg
108-95-2	Phenol	150	U	150	240	310	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	240	310	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	240	310	ug/Kg
95-50-1	1,2-Dichlorobenzene	160	U	160	240	310	ug/Kg
541-73-1	1,3-Dichlorobenzene	160	U	160	240	310	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	240	310	ug/Kg
100-51-6	Benzyl Alcohol	150	U	150	500	610	ug/Kg
95-48-7	2-Methylphenol	150	U	150	240	310	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	170	240	310	ug/Kg
98-86-2	Acetophenone	160	U	160	240	310	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	500	610	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	74	U	74	150	150	ug/Kg
67-72-1	Hexachloroethane	150	U	150	240	310	ug/Kg
98-95-3	Nitrobenzene	170	U	170	240	310	ug/Kg
78-59-1	Isophorone	160	U	160	240	310	ug/Kg
88-75-5	2-Nitrophenol	170	U	170	240	310	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	170	240	310	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	240	310	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	140	240	310	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	160	U	160	240	310	ug/Kg
65-85-0	Benzoic acid	440	U	440	500	610	ug/Kg
91-20-3	Naphthalene	150	U	150	240	310	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	240	310	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047266.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	160	U	160	500	610	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	240	310	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	150	240	310	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	500	610	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	240	310	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	240	310	ug/Kg
92-52-4	1,1-Biphenyl	160	U	160	240	310	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	240	310	ug/Kg
88-74-4	2-Nitroaniline	170	U	170	240	310	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	240	310	ug/Kg
208-96-8	Acenaphthylene	160	U	160	240	310	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	150	240	310	ug/Kg
99-09-2	3-Nitroaniline	160	U	160	240	310	ug/Kg
83-32-9	Acenaphthene	150	U	150	240	310	ug/Kg
Total PAH	Total PAH	2440	U	2440	240	4960	ug/Kg
51-28-5	2,4-Dinitrophenol	450	U	450	500	610	ug/Kg
100-02-7	4-Nitrophenol	210	U	210	500	610	ug/Kg
132-64-9	Dibenzofuran	160	U	160	240	310	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	160	240	310	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	310	U	310	240	620	ug/Kg
84-66-2	Diethylphthalate	150	U	150	240	310	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	160	240	310	ug/Kg
86-73-7	Fluorene	160	U	160	240	310	ug/Kg
100-01-6	4-Nitroaniline	200	U	200	240	310	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	500	610	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	150	240	310	ug/Kg
103-33-3	Azobenzene	150	U	150	240	310	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	240	310	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	240	310	ug/Kg
1912-24-9	Atrazine	170	U	170	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047266.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	140	U	140	500	610	ug/Kg
85-01-8	Phenanthrene	150	U	150	240	310	ug/Kg
120-12-7	Anthracene	160	U	160	240	310	ug/Kg
86-74-8	Carbazole	150	U	150	240	310	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	240	310	ug/Kg
206-44-0	Fluoranthene	150	U	150	240	310	ug/Kg
92-87-5	Benzidine	300	U	300	500	610	ug/Kg
129-00-0	Pyrene	150	U	150	240	310	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	180	240	310	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	500	610	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	150	240	310	ug/Kg
218-01-9	Chrysene	150	U	150	240	310	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	170	240	310	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	500	610	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	150	240	310	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	U	150	240	310	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	170	240	310	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	240	310	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	240	310	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	150	240	310	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	160	240	310	ug/Kg
123-91-1	1,4-Dioxane	200	U	200	240	310	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	140	240	310	ug/Kg
90-12-0	1-Methylnaphthalene	150	U	150	310	310	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.836		18-112		77	SPK: -150
13127-88-3	Phenol-d6	111.909		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	68.15		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	58.9		20-109		59	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047266.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.364		10-116		83	SPK: -150
1718-51-0	Terphenyl-d14	48.719		10-105		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	175726	7.357				
1146-65-2	Naphthalene-d8	681123	10.116				
15067-26-2	Acenaphthene-d10	460301	14.021				
1517-22-2	Phenanthrene-d10	1024945	16.786				
1719-03-5	Chrysene-d12	1128116	21.027				
1520-96-3	Perylene-d12	1238959	23.721				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.263	170	J			3.263	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A			4.569	
000470-82-6	Eucalyptol	440	J			7.663	
000770-35-4	1-Phenoxypropan-2-ol	270	J			10.874	
	unknown16.992	190	J			16.992	
002649-64-1	(3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl	260	J			17.551	
	unknown17.686	180	J			17.686	
000057-10-3	n-Hexadecanoic acid	1700	J			17.721	
031035-07-1	9-Nonadecene	160	J			18.898	
000057-11-4	Octadecanoic acid	730	J			19.021	
1000282-98-2	Dichloroacetic acid, heptadecyl es	1100	J			20.762	
015594-90-8	1-Heneicosanol	1200	J			21.78	
000593-49-7	Heptacosane	150	J			22.991	
000297-03-0	Cyclotetracosane	370	J			23.056	

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MS	SDG No.:	BM082024
Lab Sample ID:	P3643-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047267.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2400		160	500	610	ug/Kg
110-86-1	Pyridine	2300		150	240	310	ug/Kg
100-52-7	Benzaldehyde	2600		330	500	610	ug/Kg
62-53-3	Aniline	2300		180	240	310	ug/Kg
108-95-2	Phenol	3000		150	240	310	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2700		150	240	310	ug/Kg
95-57-8	2-Chlorophenol	3100		150	240	310	ug/Kg
95-50-1	1,2-Dichlorobenzene	2900		160	240	310	ug/Kg
541-73-1	1,3-Dichlorobenzene	2800		160	240	310	ug/Kg
106-46-7	1,4-Dichlorobenzene	2800		160	240	310	ug/Kg
100-51-6	Benzyl Alcohol	3200		150	500	610	ug/Kg
95-48-7	2-Methylphenol	3100		150	240	310	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2700		170	240	310	ug/Kg
98-86-2	Acetophenone	2800		160	240	310	ug/Kg
65794-96-9	3+4-Methylphenols	3000		150	500	610	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2600		73.9	150	150	ug/Kg
67-72-1	Hexachloroethane	2700		150	240	310	ug/Kg
98-95-3	Nitrobenzene	2700		170	240	310	ug/Kg
78-59-1	Isophorone	2900		160	240	310	ug/Kg
88-75-5	2-Nitrophenol	3200		170	240	310	ug/Kg
105-67-9	2,4-Dimethylphenol	3900		170	240	310	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2900		160	240	310	ug/Kg
120-83-2	2,4-Dichlorophenol	3400		140	240	310	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3000		160	240	310	ug/Kg
65-85-0	Benzoic acid	3400		430	500	610	ug/Kg
91-20-3	Naphthalene	2900		150	240	310	ug/Kg
106-47-8	4-Chloroaniline	1700		150	240	310	ug/Kg
87-68-3	Hexachlorobutadiene	3200		150	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MS	SDG No.:	BM082024
Lab Sample ID:	P3643-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047267.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	3400		160	500	610	ug/Kg
59-50-7	4-Chloro-3-methylphenol	3200		140	240	310	ug/Kg
91-57-6	2-Methylnaphthalene	3000		150	240	310	ug/Kg
77-47-4	Hexachlorocyclopentadiene	7500	E	290	500	610	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3400		130	240	310	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3300		140	240	310	ug/Kg
92-52-4	1,1-Biphenyl	2900		160	240	310	ug/Kg
91-58-7	2-Chloronaphthalene	2900		150	240	310	ug/Kg
88-74-4	2-Nitroaniline	3000		170	240	310	ug/Kg
131-11-3	Dimethylphthalate	3000		150	240	310	ug/Kg
208-96-8	Acenaphthylene	3200		160	240	310	ug/Kg
606-20-2	2,6-Dinitrotoluene	3000		150	240	310	ug/Kg
99-09-2	3-Nitroaniline	2200		160	240	310	ug/Kg
83-32-9	Acenaphthene	3000		150	240	310	ug/Kg
Total PAH	Total PAH	48900		2430	240	4960	ug/Kg
51-28-5	2,4-Dinitrophenol	6300	E	450	500	610	ug/Kg
100-02-7	4-Nitrophenol	6300	E	210	500	610	ug/Kg
132-64-9	Dibenzofuran	3000		150	240	310	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	6000		310	240	620	ug/Kg
121-14-2	2,4-Dinitrotoluene	3000		160	240	310	ug/Kg
84-66-2	Diethylphthalate	3000		150	240	310	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	3100		160	240	310	ug/Kg
86-73-7	Fluorene	3000		160	240	310	ug/Kg
100-01-6	4-Nitroaniline	3000		200	240	310	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3100		210	500	610	ug/Kg
86-30-6	n-Nitrosodiphenylamine	3000		150	240	310	ug/Kg
103-33-3	Azobenzene	2800		150	240	310	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3100		140	240	310	ug/Kg
118-74-1	Hexachlorobenzene	3000		160	240	310	ug/Kg
1912-24-9	Atrazine	4000		170	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MS	SDG No.:	BM082024
Lab Sample ID:	P3643-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047267.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	6200	E	140	500	610	ug/Kg
85-01-8	Phenanthrene	3000		150	240	310	ug/Kg
120-12-7	Anthracene	3200		150	240	310	ug/Kg
86-74-8	Carbazole	3000		150	240	310	ug/Kg
84-74-2	Di-n-butylphthalate	3000		150	240	310	ug/Kg
206-44-0	Fluoranthene	3000		150	240	310	ug/Kg
92-87-5	Benzidine	5500	E	300	500	610	ug/Kg
129-00-0	Pyrene	3300		150	240	310	ug/Kg
85-68-7	Butylbenzylphthalate	3500		180	240	310	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2900		180	500	610	ug/Kg
56-55-3	Benzo(a)anthracene	3100		150	240	310	ug/Kg
218-01-9	Chrysene	3000		150	240	310	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3300		170	240	310	ug/Kg
117-84-0	Di-n-octyl phthalate	3400		200	500	610	ug/Kg
205-99-2	Benzo(b)fluoranthene	3000		150	240	310	ug/Kg
207-08-9	Benzo(k)fluoranthene	3200		150	240	310	ug/Kg
50-32-8	Benzo(a)pyrene	3200		170	240	310	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3000		140	240	310	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3000		150	240	310	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2800		150	240	310	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3200		160	240	310	ug/Kg
123-91-1	1,4-Dioxane	2400		200	240	310	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3600		140	240	310	ug/Kg
90-12-0	1-Methylnaphthalene	2900		150	310	310	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.659		18-112		74	SPK: -150
13127-88-3	Phenol-d6	108.738		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	66.09		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	57.811		20-109		58	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MS	SDG No.:	BM082024
Lab Sample ID:	P3643-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047267.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.133		10-116		76	SPK: -150
1718-51-0	Terphenyl-d14	58.641		10-105		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	224756	7.357				
1146-65-2	Naphthalene-d8	875032	10.116				
15067-26-2	Acenaphthene-d10	598415	14.021				
1517-22-2	Phenanthrene-d10	1318664	16.786				
1719-03-5	Chrysene-d12	1107344	21.027				
1520-96-3	Perylene-d12	1124279	23.721				

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MSD	SDG No.:	BM082024
Lab Sample ID:	P3643-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047268.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2300		160	500	610	ug/Kg
110-86-1	Pyridine	2300		150	240	310	ug/Kg
100-52-7	Benzaldehyde	2500		330	500	610	ug/Kg
62-53-3	Aniline	2300		180	240	310	ug/Kg
108-95-2	Phenol	2900		150	240	310	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2600		150	240	310	ug/Kg
95-57-8	2-Chlorophenol	3100		150	240	310	ug/Kg
95-50-1	1,2-Dichlorobenzene	2800		160	240	310	ug/Kg
541-73-1	1,3-Dichlorobenzene	2800		160	240	310	ug/Kg
106-46-7	1,4-Dichlorobenzene	2800		160	240	310	ug/Kg
100-51-6	Benzyl Alcohol	3100		150	500	610	ug/Kg
95-48-7	2-Methylphenol	3000		150	240	310	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2600		170	240	310	ug/Kg
98-86-2	Acetophenone	2700		160	240	310	ug/Kg
65794-96-9	3+4-Methylphenols	2900		150	500	610	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2600		74	150	150	ug/Kg
67-72-1	Hexachloroethane	2700		150	240	310	ug/Kg
98-95-3	Nitrobenzene	2600		170	240	310	ug/Kg
78-59-1	Isophorone	2800		160	240	310	ug/Kg
88-75-5	2-Nitrophenol	3100		170	240	310	ug/Kg
105-67-9	2,4-Dimethylphenol	3800		170	240	310	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2700		160	240	310	ug/Kg
120-83-2	2,4-Dichlorophenol	3300		140	240	310	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2900		160	240	310	ug/Kg
65-85-0	Benzoic acid	3300		440	500	610	ug/Kg
91-20-3	Naphthalene	2800		150	240	310	ug/Kg
106-47-8	4-Chloroaniline	1800		150	240	310	ug/Kg
87-68-3	Hexachlorobutadiene	3100		150	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MSD	SDG No.:	BM082024
Lab Sample ID:	P3643-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047268.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	3300		160	500	610	ug/Kg
59-50-7	4-Chloro-3-methylphenol	3100		140	240	310	ug/Kg
91-57-6	2-Methylnaphthalene	2900		150	240	310	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	290	500	610	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3200		130	240	310	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3200		140	240	310	ug/Kg
92-52-4	1,1-Biphenyl	2800		160	240	310	ug/Kg
91-58-7	2-Chloronaphthalene	2800		150	240	310	ug/Kg
88-74-4	2-Nitroaniline	2800		170	240	310	ug/Kg
131-11-3	Dimethylphthalate	2900		150	240	310	ug/Kg
208-96-8	Acenaphthylene	3000		160	240	310	ug/Kg
606-20-2	2,6-Dinitrotoluene	2800		150	240	310	ug/Kg
99-09-2	3-Nitroaniline	2100		160	240	310	ug/Kg
83-32-9	Acenaphthene	2900		150	240	310	ug/Kg
Total PAH	Total PAH	47200		2430	240	4960	ug/Kg
51-28-5	2,4-Dinitrophenol	6000	E	450	500	610	ug/Kg
100-02-7	4-Nitrophenol	6100	E	210	500	610	ug/Kg
132-64-9	Dibenzofuran	2900		150	240	310	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	5700		310	240	620	ug/Kg
121-14-2	2,4-Dinitrotoluene	2900		160	240	310	ug/Kg
84-66-2	Diethylphthalate	2800		150	240	310	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	3000		160	240	310	ug/Kg
86-73-7	Fluorene	2900		160	240	310	ug/Kg
100-01-6	4-Nitroaniline	2800		200	240	310	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3000		210	500	610	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2900		150	240	310	ug/Kg
103-33-3	Azobenzene	2700		150	240	310	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3000		140	240	310	ug/Kg
118-74-1	Hexachlorobenzene	2900		160	240	310	ug/Kg
1912-24-9	Atrazine	3800		170	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MSD	SDG No.:	BM082024
Lab Sample ID:	P3643-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047268.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	6200	E	140	500	610	ug/Kg
85-01-8	Phenanthrene	2900		150	240	310	ug/Kg
120-12-7	Anthracene	3100		150	240	310	ug/Kg
86-74-8	Carbazole	2900		150	240	310	ug/Kg
84-74-2	Di-n-butylphthalate	2900		150	240	310	ug/Kg
206-44-0	Fluoranthene	3000		150	240	310	ug/Kg
92-87-5	Benzidine	5700	E	300	500	610	ug/Kg
129-00-0	Pyrene	3100		150	240	310	ug/Kg
85-68-7	Butylbenzylphthalate	3300		180	240	310	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2900		180	500	610	ug/Kg
56-55-3	Benzo(a)anthracene	3000		150	240	310	ug/Kg
218-01-9	Chrysene	2900		150	240	310	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3100		170	240	310	ug/Kg
117-84-0	Di-n-octyl phthalate	3300		200	500	610	ug/Kg
205-99-2	Benzo(b)fluoranthene	3000		150	240	310	ug/Kg
207-08-9	Benzo(k)fluoranthene	3000		150	240	310	ug/Kg
50-32-8	Benzo(a)pyrene	3100		170	240	310	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		140	240	310	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2900		150	240	310	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2700		150	240	310	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3000		160	240	310	ug/Kg
123-91-1	1,4-Dioxane	2400		200	240	310	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3400		140	240	310	ug/Kg
90-12-0	1-Methylnaphthalene	2800		150	310	310	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.185		18-112		73	SPK: -150
13127-88-3	Phenol-d6	105.769		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	64.208		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	55.255		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0-0.5-081524MSD	SDG No.:	BM082024
Lab Sample ID:	P3643-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047268.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	110.099		10-116		73	SPK: -150
1718-51-0	Terphenyl-d14	55.624		10-105		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	210656	7.357				
1146-65-2	Naphthalene-d8	828497	10.116				
15067-26-2	Acenaphthene-d10	574741	14.021				
1517-22-2	Phenanthrene-d10	1247023	16.786				
1719-03-5	Chrysene-d12	1090544	21.027				
1520-96-3	Perylene-d12	1132549	23.727				

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0.5-1.0-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047269.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	450	ug/Kg
110-86-1	Pyridine	110	U	110	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	450	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	450	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.6	U	54.6	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	110	U	110	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0.5-1.0-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047269.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	96.7	U	96.7	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	1800	U	1800	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	120	U	120	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0.5-1.0-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047269.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	370	450	ug/Kg
85-01-8	Phenanthrene	110	U	110	180	230	ug/Kg
120-12-7	Anthracene	110	U	110	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	180	230	ug/Kg
206-44-0	Fluoranthene	110	U	110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	110	U	110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	230	ug/Kg
218-01-9	Chrysene	110	U	110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	133.219		18-112		89	SPK: -150
13127-88-3	Phenol-d6	127.414		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	84.869		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	84.797		20-109		85	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	932-K1-SD-0.5-1.0-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.3
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
BM047269.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	157.725		10-116		105	SPK: -150
1718-51-0	Terphenyl-d14	93.932		10-105		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	216646	7.357				
1146-65-2	Naphthalene-d8	806956	10.116				
15067-26-2	Acenaphthene-d10	551285	14.022				
1517-22-2	Phenanthrene-d10	1228370	16.786				
1719-03-5	Chrysene-d12	1198327	21.027				
1520-96-3	Perylene-d12	1157106	23.721				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	180	J			3.258	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A			4.569	
000770-35-4	1-Phenoxypropan-2-ol	180	J			10.875	
000057-10-3	n-Hexadecanoic acid	390	J			17.721	
000057-11-4	Octadecanoic acid	170	J			19.021	
006765-39-5	1-Heptadecene	490	J			20.762	

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	918-J-SD-0.5-1.0-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047270.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	410	ug/Kg
110-86-1	Pyridine	100	U	100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.6	U	50.6	100	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.8	U	94.8	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	918-J-SD-0.5-1.0-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.4
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
BM047270.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.3	U	97.3	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.6	U	89.6	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.9	U	92.9	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	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1657.9	U	1657.9	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	410	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	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	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	99.9	U	99.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.1	U	99.1	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg



Client:			Date Collected:	8/15/2024 12:00:00 AM		
Project:			Date Received:	8/15/2024 12:00:00 AM		
Client Sample ID:	918-J-SD-0.5-1.0-081524		SDG No.:	BM082024		
Lab Sample ID:	P3643-08		Matrix:	Solid		
Analytical Method:	8270E		% Moisture:	20.4		
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
BM047270.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97	U	97	340	410	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	210	ug/Kg
120-12-7	Anthracene	110	U	110	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	340	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	99.8	U	99.8	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.1	U	98.1	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	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	93.8	U	93.8	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.988		18-112		63	SPK: -150
13127-88-3	Phenol-d6	90.91		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	58.715		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	60.44		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	918-J-SD-0.5-1.0-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.4
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
BM047270.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	113.957		10-116		76	SPK: -150
1718-51-0	Terphenyl-d14	69.737		10-105		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	220888	7.357				
1146-65-2	Naphthalene-d8	824948	10.116				
15067-26-2	Acenaphthene-d10	567747	14.015				
1517-22-2	Phenanthrene-d10	1258007	16.786				
1719-03-5	Chrysene-d12	1229210	21.021				
1520-96-3	Perylene-d12	1168489	23.721				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			4.569	
000770-35-4	1-Phenoxypropan-2-ol	88.7	J			10.88	
	unknown14.274	720	J			14.274	
000057-10-3	n-Hexadecanoic acid	160	J			17.721	
000057-11-4	Octadecanoic acid	91.6	J			19.021	
015306-27-1	Heptacos-1-ene	180	J			20.762	

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	924-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047271.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	380	460	ug/Kg
110-86-1	Pyridine	110	U	110	180	240	ug/Kg
100-52-7	Benzaldehyde	260	U	260	380	460	ug/Kg
62-53-3	Aniline	140	U	140	180	240	ug/Kg
108-95-2	Phenol	120	U	120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	180	240	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	380	460	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	180	240	ug/Kg
98-86-2	Acetophenone	120	U	120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.6	U	56.6	110	110	ug/Kg
67-72-1	Hexachloroethane	120	U	120	180	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	180	240	ug/Kg
78-59-1	Isophorone	120	U	120	180	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	240	ug/Kg
65-85-0	Benzoic acid	330	U	330	380	460	ug/Kg
91-20-3	Naphthalene	120	U	120	180	240	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	924-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
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
BM047271.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	240	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	240	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	180	240	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	240	ug/Kg
Total PAH	Total PAH	1850	U	1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	460	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	240	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	240	ug/Kg
86-73-7	Fluorene	120	U	120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	240	ug/Kg
103-33-3	Azobenzene	110	U	110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	240	ug/Kg
1912-24-9	Atrazine	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	924-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047271.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	460	ug/Kg
85-01-8	Phenanthrene	120	U	120	180	240	ug/Kg
120-12-7	Anthracene	120	U	120	180	240	ug/Kg
86-74-8	Carbazole	110	U	110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	240	ug/Kg
206-44-0	Fluoranthene	110	U	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	120	U	120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	240	ug/Kg
218-01-9	Chrysene	110	U	110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.062		18-112		60	SPK: -150
13127-88-3	Phenol-d6	87.495		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	57.529		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	57.254		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	924-K1-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
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
BM047271.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.312		10-116		78	SPK: -150
1718-51-0	Terphenyl-d14	70.339		10-105		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	208945	7.357				
1146-65-2	Naphthalene-d8	771966	10.116				
15067-26-2	Acenaphthene-d10	538125	14.016				
1517-22-2	Phenanthrene-d10	1212088	16.786				
1719-03-5	Chrysene-d12	1238752	21.021				
1520-96-3	Perylene-d12	1210399	23.721				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.569	
	unknown14.257	310	J			14.257	
	unknown14.274	350	J			14.274	
000057-10-3	n-Hexadecanoic acid	190	J			17.721	
007206-21-5	5-Octadecene, (E)-	230	J			20.762	

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162806TB	SDG No.:	BM082024
Lab Sample ID:	PB162806TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047274.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162806TB	SDG No.:	BM082024
Lab Sample ID:	PB162806TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047274.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162806TB	SDG No.:	BM082024
Lab Sample ID:	PB162806TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047274.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	114.668		10-139		76	SPK: -150
13127-88-3	Phenol-d6	103.199		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	75.822		49-133		76	SPK: -100
321-60-8	2-Fluorobiphenyl	82.665		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162806TB	SDG No.:	BM082024
Lab Sample ID:	PB162806TB	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
BM047274.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	119.197		44-137		79	SPK: -150
1718-51-0	Terphenyl-d14	96.544		48-125		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	322105	7.357				
1146-65-2	Naphthalene-d8	1139766	10.116				
15067-26-2	Acenaphthene-d10	713083	14.021				
1517-22-2	Phenanthrene-d10	1368984	16.786				
1719-03-5	Chrysene-d12	1089096	21.021				
1520-96-3	Perylene-d12	1196810	23.721				

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BL	SDG No.:	BM082024
Lab Sample ID:	PB162861BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047275.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BL	SDG No.:	BM082024
Lab Sample ID:	PB162861BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047275.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BL	SDG No.:	BM082024
Lab Sample ID:	PB162861BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047275.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	117.44		10-139		78	SPK: -150
13127-88-3	Phenol-d6	104.471		10-134		70	SPK: -150
4165-60-0	Nitrobenzene-d5	75.79		49-133		76	SPK: -100
321-60-8	2-Fluorobiphenyl	82.94		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BL	SDG No.:	BM082024
Lab Sample ID:	PB162861BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047275.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.327		44-137		82	SPK: -150
1718-51-0	Terphenyl-d14	91.497		48-125		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	271766	7.357				
1146-65-2	Naphthalene-d8	970762	10.11				
15067-26-2	Acenaphthene-d10	590959	14.016				
1517-22-2	Phenanthrene-d10	1177083	16.78				
1719-03-5	Chrysene-d12	1082208	21.021				
1520-96-3	Perylene-d12	1234158	23.721				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.7	A			4.569	

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BS	SDG No.:	BM082024
Lab Sample ID:	PB162861BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047276.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	36.6		1	8	10	ug/L
110-86-1	Pyridine	31		1.6	4	5	ug/L
100-52-7	Benzaldehyde	29.7		4	8	10	ug/L
62-53-3	Aniline	40.3		1.6	4	5	ug/L
108-95-2	Phenol	38.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.7		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	43.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	42.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.2		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	41.2		1.6	8	10	ug/L
95-48-7	2-Methylphenol	39.6		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.3		1.4	4	5	ug/L
98-86-2	Acetophenone	41		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	37.8		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	35.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	41.1		1	4	5	ug/L
98-95-3	Nitrobenzene	40.2		1.3	4	5	ug/L
78-59-1	Isophorone	41		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.7		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	53.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	38.2		5.5	8	10	ug/L
91-20-3	Naphthalene	42		1	4	5	ug/L
106-47-8	4-Chloroaniline	27.8		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BS	SDG No.:	BM082024
Lab Sample ID:	PB162861BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047276.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	36.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	39.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.3		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	180	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	43.6		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	40.1		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.9		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	40.8		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.2		1.4	4	5	ug/L
83-32-9	Acenaphthene	43.7		0.81	4	5	ug/L
Total PAH	Total PAH	735.8		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	84.9	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	74.3		2	8	10	ug/L
132-64-9	Dibenzofuran	42.9		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	39.5		1.5	4	5	ug/L
84-66-2	Diethylphthalate	40.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.8		0.98	4	5	ug/L
86-73-7	Fluorene	41.3		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	35.5		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.9		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.9		0.89	4	5	ug/L
103-33-3	Azobenzene	39.1		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	49.2		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	47.5		1.1	4	5	ug/L
1912-24-9	Atrazine	56.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BS	SDG No.:	BM082024
Lab Sample ID:	PB162861BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047276.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	86.3	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	45		0.89	4	5	ug/L
120-12-7	Anthracene	47.2		1.1	4	5	ug/L
86-74-8	Carbazole	41.5		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	40.2		1.3	4	5	ug/L
92-87-5	Benzidine	99.9	E	4.1	8	10	ug/L
129-00-0	Pyrene	49.9		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	49.9		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	49.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.5		0.94	4	5	ug/L
218-01-9	Chrysene	45.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.8		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	43.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.8		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	49.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.4		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	48.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	33.7		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	38.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	118.07		10-139		79	SPK: -150
13127-88-3	Phenol-d6	105.029		10-134		70	SPK: -150
4165-60-0	Nitrobenzene-d5	77.851		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	87.058		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162861BS	SDG No.:	BM082024
Lab Sample ID:	PB162861BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047276.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.085		44-137		81	SPK: -150
1718-51-0	Terphenyl-d14	110.725		48-125		111	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	306092	7.357				
1146-65-2	Naphthalene-d8	1089203	10.116				
15067-26-2	Acenaphthene-d10	646868	14.021				
1517-22-2	Phenanthrene-d10	1203583	16.78				
1719-03-5	Chrysene-d12	862111	21.027				
1520-96-3	Perylene-d12	1048855	23.715				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370	SDG No.:	BM082024
Lab Sample ID:	P3637-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047277.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370	SDG No.:	BM082024
Lab Sample ID:	P3637-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047277.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370	SDG No.:	BM082024
Lab Sample ID:	P3637-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047277.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	123.39		10-139		82	SPK: -150
13127-88-3	Phenol-d6	104.367		10-134		70	SPK: -150
4165-60-0	Nitrobenzene-d5	91.319		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	98.478		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370	SDG No.:	BM082024
Lab Sample ID:	P3637-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047277.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.299		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	108.275		48-125		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	270066	7.357				
1146-65-2	Naphthalene-d8	933360	10.116				
15067-26-2	Acenaphthene-d10	565512	14.016				
1517-22-2	Phenanthrene-d10	1071047	16.78				
1719-03-5	Chrysene-d12	884079	21.021				
1520-96-3	Perylene-d12	908458	23.721				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MS	SDG No.:	BM082024
Lab Sample ID:	P3637-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047278.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	420		10.3	80	100	ug/L
110-86-1	Pyridine	290		15.5	40	50	ug/L
100-52-7	Benzaldehyde	180		40	80	100	ug/L
62-53-3	Aniline	230		16	40	50	ug/L
108-95-2	Phenol	400		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	450		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	490		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	480		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	470		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	470		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	480		16	80	100	ug/L
95-48-7	2-Methylphenol	450		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	440		13.5	40	50	ug/L
98-86-2	Acetophenone	480		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	430		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	410		14.8	25	25	ug/L
67-72-1	Hexachloroethane	460		10.1	40	50	ug/L
98-95-3	Nitrobenzene	470		12.7	40	50	ug/L
78-59-1	Isophorone	490		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	540		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	620		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	490		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	540		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	520		11	40	50	ug/L
65-85-0	Benzoic acid	400		54.7	80	100	ug/L
91-20-3	Naphthalene	490		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	83.8		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	560		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MS	SDG No.:	BM082024
Lab Sample ID:	P3637-02MS	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
BM047278.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	360		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	460		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	480		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	2100	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	530		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	520		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	510		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	480		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	510		9.3	40	50	ug/L
208-96-8	Acenaphthylene	550		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	490		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	260		13.7	40	50	ug/L
83-32-9	Acenaphthene	520		8.1	40	50	ug/L
Total PAH	Total PAH	8630		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	820	E	20	80	100	ug/L
132-64-9	Dibenzofuran	520		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	970		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	480		15.2	40	50	ug/L
84-66-2	Diethylphthalate	480		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	520		9.8	40	50	ug/L
86-73-7	Fluorene	500		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	410		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	580		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	550		8.9	40	50	ug/L
103-33-3	Azobenzene	470		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	590		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	550		11.4	40	50	ug/L
1912-24-9	Atrazine	540		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MS	SDG No.:	BM082024
Lab Sample ID:	P3637-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047278.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	530		8.9	40	50	ug/L
120-12-7	Anthracene	560		10.7	40	50	ug/L
86-74-8	Carbazole	490		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	520		14.7	40	50	ug/L
206-44-0	Fluoranthene	490		12.9	40	50	ug/L
92-87-5	Benzidine	460		40.7	80	100	ug/L
129-00-0	Pyrene	560		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	580		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	380		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		9.4	40	50	ug/L
218-01-9	Chrysene	540		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	570		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	580		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	510		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	540		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	570		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	590		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	580		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	550		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	590		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	410		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	540		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	460		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.534		10-139		86	SPK: -150
13127-88-3	Phenol-d6	110.153		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	94.047		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	103.409		52-132		103	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MS	SDG No.:	BM082024
Lab Sample ID:	P3637-02MS	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
BM047278.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	143.769		44-137		96	SPK: -150
1718-51-0	Terphenyl-d14	122.031		48-125		122	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	274934	7.363				
1146-65-2	Naphthalene-d8	976324	10.116				
15067-26-2	Acenaphthene-d10	575438	14.022				
1517-22-2	Phenanthrene-d10	1090917	16.786				
1719-03-5	Chrysene-d12	846420	21.027				
1520-96-3	Perylene-d12	1014193	23.715				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MSD	SDG No.:	BM082024
Lab Sample ID:	P3637-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047279.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	410		10.3	80	100	ug/L
110-86-1	Pyridine	310		15.5	40	50	ug/L
100-52-7	Benzaldehyde	190		40	80	100	ug/L
62-53-3	Aniline	270		16	40	50	ug/L
108-95-2	Phenol	420		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	510		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	470		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	460		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	460		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	520		16	80	100	ug/L
95-48-7	2-Methylphenol	480		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	450		13.5	40	50	ug/L
98-86-2	Acetophenone	480		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	440		14.8	25	25	ug/L
67-72-1	Hexachloroethane	450		10.1	40	50	ug/L
98-95-3	Nitrobenzene	460		12.7	40	50	ug/L
78-59-1	Isophorone	500		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	540		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	650		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	500		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	560		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	500		11	40	50	ug/L
65-85-0	Benzoic acid	450		54.7	80	100	ug/L
91-20-3	Naphthalene	480		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	100		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	540		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MSD	SDG No.:	BM082024
Lab Sample ID:	P3637-02MSD	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
BM047279.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	430		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	510		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	500		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1900	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	500		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	500		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	500		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	530		9.3	40	50	ug/L
208-96-8	Acenaphthylene	540		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	510		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	280		13.7	40	50	ug/L
83-32-9	Acenaphthene	520		8.1	40	50	ug/L
Total PAH	Total PAH	8510		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1200	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	890	E	20	80	100	ug/L
132-64-9	Dibenzofuran	520		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	510		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1020		27.6	40	100	ug/L
84-66-2	Diethylphthalate	510		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	530		9.8	40	50	ug/L
86-73-7	Fluorene	510		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	450		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	580		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	530		8.9	40	50	ug/L
103-33-3	Azobenzene	480		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	570		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	540		11.4	40	50	ug/L
1912-24-9	Atrazine	560		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MSD	SDG No.:	BM082024
Lab Sample ID:	P3637-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047279.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	530		8.9	40	50	ug/L
120-12-7	Anthracene	550		10.7	40	50	ug/L
86-74-8	Carbazole	490		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	530		14.7	40	50	ug/L
206-44-0	Fluoranthene	510		12.9	40	50	ug/L
92-87-5	Benzidine	240		40.7	80	100	ug/L
129-00-0	Pyrene	580		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	600		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	350		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	540		9.4	40	50	ug/L
218-01-9	Chrysene	530		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	590		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	600		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	550		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	550		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	580		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	530		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	530		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	480		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	550		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	400		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	570		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	480		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.869		10-139		89	SPK: -150
13127-88-3	Phenol-d6	116.917		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	92.306		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	99.275		52-132		99	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	ETGI - 370MSD	SDG No.:	BM082024
Lab Sample ID:	P3637-02MSD	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
BM047279.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162861

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	153.635		44-137		102	SPK: -150
1718-51-0	Terphenyl-d14	125.871	*	48-125		126	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	289964	7.357				
1146-65-2	Naphthalene-d8	1089487	10.116				
15067-26-2	Acenaphthene-d10	705681	14.021				
1517-22-2	Phenanthrene-d10	1453648	16.786				
1719-03-5	Chrysene-d12	1150064	21.027				
1520-96-3	Perylene-d12	1188354	23.715				

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	914-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047280.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.2	10.3	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.1	5.2	ug/L
100-52-7	Benzaldehyde	4.1	U	4.1	8.2	10.3	ug/L
62-53-3	Aniline	1.6	U	1.6	4.1	5.2	ug/L
108-95-2	Phenol	0.96	U	0.96	4.1	5.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.1	5.2	ug/L
95-57-8	2-Chlorophenol	0.73	U	0.73	4.1	5.2	ug/L
95-50-1	1,2-Dichlorobenzene	0.91	U	0.91	4.1	5.2	ug/L
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	4.1	5.2	ug/L
106-46-7	1,4-Dichlorobenzene	0.87	U	0.87	4.1	5.2	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.2	10.3	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.1	5.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.1	5.2	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4.1	5.2	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.2	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1	U	1	4.1	5.2	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.1	5.2	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.1	5.2	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.1	5.2	ug/L
105-67-9	2,4-Dimethylphenol	1.6	U	1.6	4.1	5.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.1	U	1.1	4.1	5.2	ug/L
120-83-2	2,4-Dichlorophenol	0.91	U	0.91	4.1	5.2	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.1	5.2	ug/L
65-85-0	Benzoic acid	5.6	U	5.6	8.2	10.3	ug/L
91-20-3	Naphthalene	1.1	U	1.1	4.1	5.2	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4.1	5.2	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	914-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047280.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.2	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	0.87	U	0.87	4.1	5.2	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.1	5.2	ug/L
77-47-4	Hexachlorocyclopentadiene	5.2	U	5.2	8.2	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	0.92	U	0.92	4.1	5.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4.1	5.2	ug/L
92-52-4	1,1-Biphenyl	0.94	U	0.94	4.1	5.2	ug/L
91-58-7	2-Chloronaphthalene	1	U	1	4.1	5.2	ug/L
88-74-4	2-Nitroaniline	1.5	U	1.5	4.1	5.2	ug/L
131-11-3	Dimethylphthalate	0.96	U	0.96	4.1	5.2	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.1	5.2	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.1	5.2	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.1	5.2	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	4.1	5.2	ug/L
Total PAH	Total PAH	17.91	U	17.91	4.1	83.2	ug/L
51-28-5	2,4-Dinitrophenol	6.6	U	6.6	8.2	10.3	ug/L
100-02-7	4-Nitrophenol	2.1	U	2.1	8.2	10.3	ug/L
132-64-9	Dibenzofuran	0.96	U	0.96	4.1	5.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.1	5.2	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.1	10.4	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4.1	5.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.1	5.2	ug/L
86-73-7	Fluorene	0.99	U	0.99	4.1	5.2	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.1	5.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.2	U	3.2	8.2	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	0.92	U	0.92	4.1	5.2	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4.1	5.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.98	U	0.98	4.1	5.2	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.1	5.2	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	914-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047280.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.2	10.3	ug/L
85-01-8	Phenanthrene	0.92	U	0.92	4.1	5.2	ug/L
120-12-7	Anthracene	1.1	U	1.1	4.1	5.2	ug/L
86-74-8	Carbazole	1.2	U	1.2	4.1	5.2	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.1	5.2	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4.1	5.2	ug/L
92-87-5	Benzidine	4.2	U	4.2	8.2	10.3	ug/L
129-00-0	Pyrene	1.1	U	1.1	4.1	5.2	ug/L
85-68-7	Butylbenzylphthalate	2.2	U	2.2	4.1	5.2	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.2	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.97	U	0.97	4.1	5.2	ug/L
218-01-9	Chrysene	0.89	U	0.89	4.1	5.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4.1	5.2	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.2	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.1	5.2	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.1	5.2	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.1	5.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U	1.1	4.1	5.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.1	5.2	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.1	5.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.1	5.2	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.1	5.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	4.1	5.2	ug/L
90-12-0	1-Methylnaphthalene	0.89	U	0.89	4.1	5.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	80.631		10-139		54	SPK: -150
13127-88-3	Phenol-d6	49.926		10-134		33	SPK: -150
4165-60-0	Nitrobenzene-d5	80.508		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	87.146		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	914-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970 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
BM047280.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.352		44-137		86	SPK: -150
1718-51-0	Terphenyl-d14	88.347		48-125		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	298308	7.357				
1146-65-2	Naphthalene-d8	1085870	10.11				
15067-26-2	Acenaphthene-d10	684460	14.016				
1517-22-2	Phenanthrene-d10	1321034	16.78				
1719-03-5	Chrysene-d12	1060406	21.021				
1520-96-3	Perylene-d12	1115038	23.715				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	4.7	J			17.715	
000057-11-4	Octadecanoic acid	2.9	J			19.015	
002004-39-9	1-Heptacosanol	2.3	J			20.756	

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	916-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-02	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047281.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.2	10.3	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.1	5.2	ug/L
100-52-7	Benzaldehyde	4.1	U	4.1	8.2	10.3	ug/L
62-53-3	Aniline	1.6	U	1.6	4.1	5.2	ug/L
108-95-2	Phenol	0.96	U	0.96	4.1	5.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.1	5.2	ug/L
95-57-8	2-Chlorophenol	0.73	U	0.73	4.1	5.2	ug/L
95-50-1	1,2-Dichlorobenzene	0.91	U	0.91	4.1	5.2	ug/L
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	4.1	5.2	ug/L
106-46-7	1,4-Dichlorobenzene	0.87	U	0.87	4.1	5.2	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.2	10.3	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.1	5.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.1	5.2	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4.1	5.2	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.2	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.6	2.6	ug/L
67-72-1	Hexachloroethane	1	U	1	4.1	5.2	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.1	5.2	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.1	5.2	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.1	5.2	ug/L
105-67-9	2,4-Dimethylphenol	1.6	U	1.6	4.1	5.2	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.1	U	1.1	4.1	5.2	ug/L
120-83-2	2,4-Dichlorophenol	0.91	U	0.91	4.1	5.2	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.1	5.2	ug/L
65-85-0	Benzoic acid	5.6	U	5.6	8.2	10.3	ug/L
91-20-3	Naphthalene	1.1	U	1.1	4.1	5.2	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4.1	5.2	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	916-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-02	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047281.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.2	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	0.87	U	0.87	4.1	5.2	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.1	5.2	ug/L
77-47-4	Hexachlorocyclopentadiene	5.2	U	5.2	8.2	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	0.92	U	0.92	4.1	5.2	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4.1	5.2	ug/L
92-52-4	1,1-Biphenyl	0.94	U	0.94	4.1	5.2	ug/L
91-58-7	2-Chloronaphthalene	1	U	1	4.1	5.2	ug/L
88-74-4	2-Nitroaniline	1.5	U	1.5	4.1	5.2	ug/L
131-11-3	Dimethylphthalate	0.96	U	0.96	4.1	5.2	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.1	5.2	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.1	5.2	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.1	5.2	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	4.1	5.2	ug/L
Total PAH	Total PAH	17.91	U	17.91	4.1	83.2	ug/L
51-28-5	2,4-Dinitrophenol	6.6	U	6.6	8.2	10.3	ug/L
100-02-7	4-Nitrophenol	2.1	U	2.1	8.2	10.3	ug/L
132-64-9	Dibenzofuran	0.96	U	0.96	4.1	5.2	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.1	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.1	5.2	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4.1	5.2	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.1	5.2	ug/L
86-73-7	Fluorene	0.99	U	0.99	4.1	5.2	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.1	5.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.2	U	3.2	8.2	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	0.92	U	0.92	4.1	5.2	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4.1	5.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.98	U	0.98	4.1	5.2	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.1	5.2	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.1	5.2	ug/L

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	916-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-02	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047281.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.2	10.3	ug/L
85-01-8	Phenanthrene	0.92	U	0.92	4.1	5.2	ug/L
120-12-7	Anthracene	1.1	U	1.1	4.1	5.2	ug/L
86-74-8	Carbazole	1.2	U	1.2	4.1	5.2	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.1	5.2	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4.1	5.2	ug/L
92-87-5	Benzidine	4.2	U	4.2	8.2	10.3	ug/L
129-00-0	Pyrene	1.1	U	1.1	4.1	5.2	ug/L
85-68-7	Butylbenzylphthalate	2.2	U	2.2	4.1	5.2	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.2	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.97	U	0.97	4.1	5.2	ug/L
218-01-9	Chrysene	0.89	U	0.89	4.1	5.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4.1	5.2	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.2	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.1	5.2	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.1	5.2	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.1	5.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U	1.1	4.1	5.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.1	5.2	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.1	5.2	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.1	5.2	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.1	5.2	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	4.1	5.2	ug/L
90-12-0	1-Methylnaphthalene	0.89	U	0.89	4.1	5.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	72.594		10-139		48	SPK: -150
13127-88-3	Phenol-d6	45.199		10-134		30	SPK: -150
4165-60-0	Nitrobenzene-d5	76.861		49-133		77	SPK: -100
321-60-8	2-Fluorobiphenyl	81.639		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	916-J-WS-081524	SDG No.:	BM082024
Lab Sample ID:	P3645-02	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047281.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162788

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.745		44-137		88	SPK: -150
1718-51-0	Terphenyl-d14	93.506		48-125		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	312772	7.357				
1146-65-2	Naphthalene-d8	1142660	10.11				
15067-26-2	Acenaphthene-d10	745797	14.016				
1517-22-2	Phenanthrene-d10	1530970	16.78				
1719-03-5	Chrysene-d12	1309543	21.021				
1520-96-3	Perylene-d12	1291407	23.715				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	2.6	J			3.264	
000770-35-4	1-Phenoxypropan-2-ol	3	J			10.875	
000629-92-5	Nonadecane	2.3	J			16.574	
000629-94-7	Heneicosane	3.7	J			17.316	
000112-39-0	Hexadecanoic acid, methyl ester	2.3	J			17.492	
000057-10-3	n-Hexadecanoic acid	7.3	J			17.721	
000112-95-8	Eicosane	4.5	J			18.01	
000630-02-4	Octacosane	7	J			18.657	
057396-98-2	7-Octadecenoic acid, methyl ester	2.9	J			18.68	
000112-61-8	Methyl stearate	2.1	J			18.821	
000057-11-4	Octadecanoic acid	3	J			19.015	
035599-77-0	Tridecane, 1-iodo-	3.3	J			19.245	
1000406-31-8	Eicosane, 1-iodo-	2.2	J			19.786	
1000351-88-8	Nonadecyl pentafluoropropionate	6.9	J			20.756	

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOIL	SDG No.:	BM082024
Lab Sample ID:	P3652-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047282.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	97.3	U	97.3	300	370	ug/Kg
110-86-1	Pyridine	89.6	U	89.6	150	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	93	U	93	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.9	U	93.9	150	190	ug/Kg
95-57-8	2-Chlorophenol	93.6	U	93.6	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	94.9	U	94.9	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	96.4	U	96.4	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	97	U	97	150	190	ug/Kg
100-51-6	Benzyl Alcohol	93.1	U	93.1	300	370	ug/Kg
95-48-7	2-Methylphenol	90.4	U	90.4	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	97.5	U	97.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	89.5	U	89.5	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.2	U	45.2	89.7	89.7	ug/Kg
67-72-1	Hexachloroethane	93.1	U	93.1	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	94.9	U	94.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.2	U	96.2	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	84.7	U	84.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	95.8	U	95.8	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	300	370	ug/Kg
91-20-3	Naphthalene	92.6	U	92.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	92.6	U	92.6	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.4	U	93.4	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOIL	SDG No.:	BM082024
Lab Sample ID:	P3652-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047282.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	97.3	U	97.3	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.9	U	86.9	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	92.5	U	92.5	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.1	U	80.1	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83	U	83	150	190	ug/Kg
92-52-4	1,1-Biphenyl	98	U	98	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.4	U	93.4	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	91.6	U	91.6	150	190	ug/Kg
208-96-8	Acenaphthylene	97	U	97	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.3	U	93.3	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	91	U	91	150	190	ug/Kg
Total PAH	Total PAH	1900	U	1481.9	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	94.7	U	94.7	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.7	U	96.7	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	90	U	190	150	380	ug/Kg
84-66-2	Diethylphthalate	89.8	U	89.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96	U	96	150	190	ug/Kg
86-73-7	Fluorene	95.9	U	95.9	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.5	U	91.5	150	190	ug/Kg
103-33-3	Azobenzene	89.3	U	89.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88.5	U	88.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	95.3	U	95.3	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOIL	SDG No.:	BM082024
Lab Sample ID:	P3652-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047282.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	86.7	U	86.7	300	370	ug/Kg
85-01-8	Phenanthrene	180	J	94.2	150	190	ug/Kg
120-12-7	Anthracene	94.7	U	94.7	150	190	ug/Kg
86-74-8	Carbazole	90.1	U	90.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	94.5	U	94.5	150	190	ug/Kg
206-44-0	Fluoranthene	320		91.6	150	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	360		93.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	190		90.5	150	190	ug/Kg
218-01-9	Chrysene	190		89.2	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	230		91	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	92.6	U	92.6	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	190		100	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	87.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.1	U	91.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	89.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.3	U	97.3	150	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.8	U	83.8	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	93.3	U	93.3	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.234		18-112		68	SPK: -150
13127-88-3	Phenol-d6	98.473		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	68.858		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	74.048		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOIL	SDG No.:	BM082024
Lab Sample ID:	P3652-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047282.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.009		10-116		73	SPK: -150
1718-51-0	Terphenyl-d14	90.213		10-105		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	312401	7.358				
1146-65-2	Naphthalene-d8	1173929	10.11				
15067-26-2	Acenaphthene-d10	750515	14.016				
1517-22-2	Phenanthrene-d10	1466462	16.78				
1719-03-5	Chrysene-d12	1120664	21.021				
1520-96-3	Perylene-d12	1172515	23.715				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMS	SDG No.:	BM082024
Lab Sample ID:	P3652-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047283.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		97.5	300	370	ug/Kg
110-86-1	Pyridine	1300		89.7	150	190	ug/Kg
100-52-7	Benzaldehyde	1100		200	300	370	ug/Kg
62-53-3	Aniline	1400		110	150	190	ug/Kg
108-95-2	Phenol	1400		93.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		94	150	190	ug/Kg
95-57-8	2-Chlorophenol	1600		93.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		95	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		96.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		97.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1500		93.2	300	370	ug/Kg
95-48-7	2-Methylphenol	1400		90.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	150	190	ug/Kg
98-86-2	Acetophenone	1600		97.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1400		89.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		45.3	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	1600		93.2	150	190	ug/Kg
98-95-3	Nitrobenzene	1500		100	150	190	ug/Kg
78-59-1	Isophorone	1500		95	150	190	ug/Kg
88-75-5	2-Nitrophenol	1800		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		100	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		96.4	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		84.8	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		95.9	150	190	ug/Kg
65-85-0	Benzoic acid	1400		270	300	370	ug/Kg
91-20-3	Naphthalene	1600		92.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	1000		92.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1900		93.5	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMS	SDG No.:	BM082024
Lab Sample ID:	P3652-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047283.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1300		97.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		87	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		92.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6400	E	180	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		80.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		83.1	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		98.1	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		93.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	1500		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	1600		91.7	150	190	ug/Kg
208-96-8	Acenaphthylene	1800		97.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		93.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	1200		100	150	190	ug/Kg
83-32-9	Acenaphthene	1700		91.1	150	190	ug/Kg
Total PAH	Total PAH	29000		1483.7	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	2700		130	300	370	ug/Kg
132-64-9	Dibenzofuran	1600		94.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		96.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		190.2	150	380	ug/Kg
84-66-2	Diethylphthalate	1500		90	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		96.1	150	190	ug/Kg
86-73-7	Fluorene	1600		96	150	190	ug/Kg
100-01-6	4-Nitroaniline	1300		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		91.6	150	190	ug/Kg
103-33-3	Azobenzene	1500		89.4	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		88.6	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		95.5	150	190	ug/Kg
1912-24-9	Atrazine	2100		100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMS	SDG No.:	BM082024
Lab Sample ID:	P3652-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047283.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3300	E	86.8	300	370	ug/Kg
85-01-8	Phenanthrene	1800		94.3	150	190	ug/Kg
120-12-7	Anthracene	1800		94.8	150	190	ug/Kg
86-74-8	Carbazole	1600		90.2	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	1700		94.7	150	190	ug/Kg
206-44-0	Fluoranthene	1800		91.7	150	190	ug/Kg
92-87-5	Benzidine	3400	E	180	300	370	ug/Kg
129-00-0	Pyrene	2000		93.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	1800		110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		90.6	150	190	ug/Kg
218-01-9	Chrysene	1900		89.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		91.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		92.8	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	2000		100	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		87.7	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		91.2	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		90	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		97.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	1400		120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		83.9	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1400		93.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.065		18-112		65	SPK: -150
13127-88-3	Phenol-d6	88.531		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	68.628		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	77.607		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMS	SDG No.:	BM082024
Lab Sample ID:	P3652-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047283.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	101.576		10-116		68	SPK: -150
1718-51-0	Terphenyl-d14	81.656		10-105		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	319115	7.357				
1146-65-2	Naphthalene-d8	1099155	10.11				
15067-26-2	Acenaphthene-d10	618026	14.016				
1517-22-2	Phenanthrene-d10	1134376	16.78				
1719-03-5	Chrysene-d12	911523	21.021				
1520-96-3	Perylene-d12	1174904	23.715				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMSD	SDG No.:	BM082024
Lab Sample ID:	P3652-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047284.D	1	8/19/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		97.5	300	370	ug/Kg
110-86-1	Pyridine	1300		89.8	150	190	ug/Kg
100-52-7	Benzaldehyde	1200		200	300	370	ug/Kg
62-53-3	Aniline	1600		110	150	190	ug/Kg
108-95-2	Phenol	1600		93.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		94	150	190	ug/Kg
95-57-8	2-Chlorophenol	1700		93.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		95	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		96.6	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		97.2	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1700		93.2	300	370	ug/Kg
95-48-7	2-Methylphenol	1600		90.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		100	150	190	ug/Kg
98-86-2	Acetophenone	1600		97.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1600		89.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		45.3	89.9	89.9	ug/Kg
67-72-1	Hexachloroethane	1600		93.2	150	190	ug/Kg
98-95-3	Nitrobenzene	1500		100	150	190	ug/Kg
78-59-1	Isophorone	1600		95	150	190	ug/Kg
88-75-5	2-Nitrophenol	1800		110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		100	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		96.4	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		84.8	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		95.9	150	190	ug/Kg
65-85-0	Benzoic acid	1700		270	300	370	ug/Kg
91-20-3	Naphthalene	1600		92.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	1200		92.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1900		93.6	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMSD	SDG No.:	BM082024
Lab Sample ID:	P3652-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047284.D	1	8/19/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		97.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		87.1	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		92.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5700	E	180	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		80.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		83.1	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		98.2	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		93.6	150	190	ug/Kg
88-74-4	2-Nitroaniline	1600		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	1700		91.8	150	190	ug/Kg
208-96-8	Acenaphthylene	1800		97.2	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		93.5	150	190	ug/Kg
99-09-2	3-Nitroaniline	1300		100	150	190	ug/Kg
83-32-9	Acenaphthene	1700		91.1	150	190	ug/Kg
Total PAH	Total PAH	29700		1484.1	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	2900		130	300	370	ug/Kg
132-64-9	Dibenzofuran	1700		94.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		190.3	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		96.8	150	190	ug/Kg
84-66-2	Diethylphthalate	1600		90	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		96.2	150	190	ug/Kg
86-73-7	Fluorene	1600		96	150	190	ug/Kg
100-01-6	4-Nitroaniline	1400		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		91.7	150	190	ug/Kg
103-33-3	Azobenzene	1500		89.4	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		88.6	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		95.5	150	190	ug/Kg
1912-24-9	Atrazine	2200		100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMSD	SDG No.:	BM082024
Lab Sample ID:	P3652-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047284.D	1	8/19/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3400	E	86.8	300	370	ug/Kg
85-01-8	Phenanthrene	1900		94.4	150	190	ug/Kg
120-12-7	Anthracene	1800		94.8	150	190	ug/Kg
86-74-8	Carbazole	1600		90.2	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	1700		94.7	150	190	ug/Kg
206-44-0	Fluoranthene	1800		91.8	150	190	ug/Kg
92-87-5	Benzidine	3900	E	180	300	370	ug/Kg
129-00-0	Pyrene	2300		93.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	2000		110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		90.7	150	190	ug/Kg
218-01-9	Chrysene	1900		89.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		91.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		92.8	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	2000		100	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		87.7	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		91.2	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		90	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		97.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	1400		120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		83.9	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1600		93.5	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103.389		18-112		69	SPK: -150
13127-88-3	Phenol-d6	98.208		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	68.864		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	75.535		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	LIVONIA-SOILMSD	SDG No.:	BM082024
Lab Sample ID:	P3652-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.1
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
BM047284.D	1	8/19/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.58		10-116		73	SPK: -150
1718-51-0	Terphenyl-d14	97.495		10-105		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	332130	7.357				
1146-65-2	Naphthalene-d8	1236196	10.116				
15067-26-2	Acenaphthene-d10	773731	14.021				
1517-22-2	Phenanthrene-d10	1509318	16.78				
1719-03-5	Chrysene-d12	1028005	21.021				
1520-96-3	Perylene-d12	1173853	23.715				

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524-FD	SDG No.:	BM082024
Lab Sample ID:	P3643-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BM047285.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	400	ug/Kg
110-86-1	Pyridine	97	U	97	160	210	ug/Kg
100-52-7	Benzaldehyde	220	U	220	330	400	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	400	ug/Kg
95-48-7	2-Methylphenol	97.9	U	97.9	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	96.9	U	96.9	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	48.9	U	48.9	97.1	97.1	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	91.7	U	91.7	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	400	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524-FD	SDG No.:	BM082024
Lab Sample ID:	P3643-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BM047285.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94.1	U	94.1	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.7	U	86.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	89.8	U	89.8	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	99.2	U	99.2	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	98.5	U	98.5	160	210	ug/Kg
Total PAH	Total PAH	1601.4	U	1601.4	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	200	U	200	160	420	ug/Kg
84-66-2	Diethylphthalate	97.3	U	97.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	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	140	U	140	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.1	U	99.1	160	210	ug/Kg
103-33-3	Azobenzene	96.6	U	96.6	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95.8	U	95.8	160	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524-FD	SDG No.:	BM082024
Lab Sample ID:	P3643-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BM047285.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	93.9	U	93.9	330	400	ug/Kg
85-01-8	Phenanthrene	210		100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	97.5	U	97.5	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	260		99.2	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	400	ug/Kg
129-00-0	Pyrene	240		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	98	160	210	ug/Kg
218-01-9	Chrysene	110	J	96.5	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	98.5	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.8	U	94.8	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	98.6	U	98.6	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	97.3	U	97.3	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	130	U	130	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.7	U	90.7	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.963		18-112		53	SPK: -150
13127-88-3	Phenol-d6	73.144		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	49.42		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	44.199		20-109		44	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524-FD	SDG No.:	BM082024
Lab Sample ID:	P3643-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BM047285.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	74.727		10-116		50	SPK: -150
1718-51-0	Terphenyl-d14	51.03		10-105		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	288445	7.358				
1146-65-2	Naphthalene-d8	1051010	10.11				
15067-26-2	Acenaphthene-d10	662317	14.016				
1517-22-2	Phenanthrene-d10	1275847	16.78				
1719-03-5	Chrysene-d12	1012371	21.016				
1520-96-3	Perylene-d12	1073299	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			4.57	
000057-10-3	n-Hexadecanoic acid	160	J			17.716	
000295-48-7	Cyclopentadecane	130	J			20.757	

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	917-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	82.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047286.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	490	U	490	1500	1800	ug/Kg
110-86-1	Pyridine	450	U	450	730	950	ug/Kg
100-52-7	Benzaldehyde	1000	U	1000	1500	1800	ug/Kg
62-53-3	Aniline	540	U	540	730	950	ug/Kg
108-95-2	Phenol	460	U	460	730	950	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	470	U	470	730	950	ug/Kg
95-57-8	2-Chlorophenol	470	U	470	730	950	ug/Kg
95-50-1	1,2-Dichlorobenzene	470	U	470	730	950	ug/Kg
541-73-1	1,3-Dichlorobenzene	480	U	480	730	950	ug/Kg
106-46-7	1,4-Dichlorobenzene	480	U	480	730	950	ug/Kg
100-51-6	Benzyl Alcohol	470	U	470	1500	1800	ug/Kg
95-48-7	2-Methylphenol	450	U	450	730	950	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	510	U	510	730	950	ug/Kg
98-86-2	Acetophenone	490	U	490	730	950	ug/Kg
65794-96-9	3+4-Methylphenols	450	U	450	1500	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	230	U	230	450	450	ug/Kg
67-72-1	Hexachloroethane	470	U	470	730	950	ug/Kg
98-95-3	Nitrobenzene	510	U	510	730	950	ug/Kg
78-59-1	Isophorone	470	U	470	730	950	ug/Kg
88-75-5	2-Nitrophenol	530	U	530	730	950	ug/Kg
105-67-9	2,4-Dimethylphenol	520	U	520	730	950	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	480	U	480	730	950	ug/Kg
120-83-2	2,4-Dichlorophenol	420	U	420	730	950	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	480	U	480	730	950	ug/Kg
65-85-0	Benzoic acid	1300	U	1300	1500	1800	ug/Kg
91-20-3	Naphthalene	460	U	460	730	950	ug/Kg
106-47-8	4-Chloroaniline	460	U	460	730	950	ug/Kg
87-68-3	Hexachlorobutadiene	470	U	470	730	950	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	917-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	82.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047286.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	490	U	490	1500	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	430	U	430	730	950	ug/Kg
91-57-6	2-Methylnaphthalene	460	U	460	730	950	ug/Kg
77-47-4	Hexachlorocyclopentadiene	870	U	870	1500	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	400	U	400	730	950	ug/Kg
95-95-4	2,4,5-Trichlorophenol	410	U	410	730	950	ug/Kg
92-52-4	1,1-Biphenyl	490	U	490	730	950	ug/Kg
91-58-7	2-Chloronaphthalene	470	U	470	730	950	ug/Kg
88-74-4	2-Nitroaniline	530	U	530	730	950	ug/Kg
131-11-3	Dimethylphthalate	460	U	460	730	950	ug/Kg
208-96-8	Acenaphthylene	480	U	480	730	950	ug/Kg
606-20-2	2,6-Dinitrotoluene	470	U	470	730	950	ug/Kg
99-09-2	3-Nitroaniline	500	U	500	730	950	ug/Kg
83-32-9	Acenaphthene	450	U	450	730	950	ug/Kg
Total PAH	Total PAH	7420	U	7420	730	15200	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	U	1400	1500	1800	ug/Kg
100-02-7	4-Nitrophenol	650	U	650	1500	1800	ug/Kg
132-64-9	Dibenzofuran	470	U	470	730	950	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950	U	950	730	1900	ug/Kg
121-14-2	2,4-Dinitrotoluene	480	U	480	730	950	ug/Kg
84-66-2	Diethylphthalate	450	U	450	730	950	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	480	U	480	730	950	ug/Kg
86-73-7	Fluorene	480	U	480	730	950	ug/Kg
100-01-6	4-Nitroaniline	600	U	600	730	950	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	660	U	660	1500	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	460	U	460	730	950	ug/Kg
103-33-3	Azobenzene	450	U	450	730	950	ug/Kg
101-55-3	4-Bromophenyl-phenylether	440	U	440	730	950	ug/Kg
118-74-1	Hexachlorobenzene	480	U	480	730	950	ug/Kg
1912-24-9	Atrazine	510	U	510	730	950	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	917-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	82.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047286.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	430	U	430	1500	1800	ug/Kg
85-01-8	Phenanthrene	470	U	470	730	950	ug/Kg
120-12-7	Anthracene	470	U	470	730	950	ug/Kg
86-74-8	Carbazole	450	U	450	730	950	ug/Kg
84-74-2	Di-n-butylphthalate	470	U	470	730	950	ug/Kg
206-44-0	Fluoranthene	460	J	460	730	950	ug/Kg
92-87-5	Benzidine	910	U	910	1500	1800	ug/Kg
129-00-0	Pyrene	470	U	470	730	950	ug/Kg
85-68-7	Butylbenzylphthalate	540	U	540	730	950	ug/Kg
91-94-1	3,3-Dichlorobenzidine	550	U	550	1500	1800	ug/Kg
56-55-3	Benzo(a)anthracene	450	U	450	730	950	ug/Kg
218-01-9	Chrysene	450	U	450	730	950	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	510	U	510	730	950	ug/Kg
117-84-0	Di-n-octyl phthalate	620	U	620	1500	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	450	U	450	730	950	ug/Kg
207-08-9	Benzo(k)fluoranthene	460	U	460	730	950	ug/Kg
50-32-8	Benzo(a)pyrene	520	U	520	730	950	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	440	U	440	730	950	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	460	U	460	730	950	ug/Kg
191-24-2	Benzo(g,h,i)perylene	450	U	450	730	950	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	490	U	490	730	950	ug/Kg
123-91-1	1,4-Dioxane	620	U	620	730	950	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	420	U	420	730	950	ug/Kg
90-12-0	1-Methylnaphthalene	470	U	470	950	950	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.457		18-112		49	SPK: -150
13127-88-3	Phenol-d6	67.652		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	45.745		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	41.744		20-109		42	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	917-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	82.2
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
BM047286.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.005		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	38.766		10-105		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	293300	7.357				
1146-65-2	Naphthalene-d8	1066109	10.11				
15067-26-2	Acenaphthene-d10	647610	14.016				
1517-22-2	Phenanthrene-d10	1234394	16.78				
1719-03-5	Chrysene-d12	974757	21.015				
1520-96-3	Perylene-d12	1064836	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	590	A			4.569	
000770-35-4	1-Phenoxypropan-2-ol	560	J			10.875	
000057-10-3	n-Hexadecanoic acid	770	J			17.715	
000057-11-4	Octadecanoic acid	410	J			19.015	
002425-77-6	1-Decanol, 2-hexyl-	500	J			20.756	
007225-64-1	Heptadecane, 9-octyl-	480	J			22.98	

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BM047287.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	450	ug/Kg
110-86-1	Pyridine	110	U	110	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	450	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	450	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.3	U	55.3	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	120	U	120	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	330	U	330	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BM047287.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	97.9	U	97.9	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	3500	U	1820	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BM047287.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	370	450	ug/Kg
85-01-8	Phenanthrene	590		120	180	230	ug/Kg
120-12-7	Anthracene	160	J	120	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	230	ug/Kg
206-44-0	Fluoranthene	640		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	580		110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	290		110	180	230	ug/Kg
218-01-9	Chrysene	270		110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	300		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	260		130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.179		18-112		59	SPK: -150
13127-88-3	Phenol-d6	82.535		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	54.789		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	48.623		20-109		49	SPK: -100

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	921-J-SD-0-0.5-081524	SDG No.:	BM082024
Lab Sample ID:	P3643-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BM047287.D	1	8/16/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.605		10-116		56	SPK: -150
1718-51-0	Terphenyl-d14	53.23		10-105		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	300622	7.357				
1146-65-2	Naphthalene-d8	1076507	10.11				
15067-26-2	Acenaphthene-d10	659428	14.016				
1517-22-2	Phenanthrene-d10	1261139	16.78				
1719-03-5	Chrysene-d12	985648	21.015				
1520-96-3	Perylene-d12	1079567	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	A			4.569	
000770-35-4	1-Phenoxypropan-2-ol	160	J			10.875	
	unknown14.251	350	J			14.251	
	unknown14.269	480	J			14.269	
000244-99-5	5H-Indeno[1,2-b]pyridine	95.1	J			17.198	
000057-10-3	n-Hexadecanoic acid	260	J			17.715	
000203-64-5	4H-Cyclopenta[def]phenanthrene	130	J			17.851	

Report of Analysis

Client:		Date Collected:	8/12/2024 12:00:00 AM
Project:		Date Received:	8/12/2024 12:00:00 AM
Client Sample ID:	926-KI-SD-0-0.5-081224	SDG No.:	BM082024
Lab Sample ID:	P3580-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	40.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047288.D	1	8/20/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	150	U	150	450	550	ug/Kg
110-86-1	Pyridine	130	U	130	220	290	ug/Kg
100-52-7	Benzaldehyde	310	U	310	450	550	ug/Kg
62-53-3	Aniline	160	U	160	220	290	ug/Kg
108-95-2	Phenol	140	U	140	220	290	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	220	290	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	220	290	ug/Kg
95-50-1	1,2-Dichlorobenzene	140	U	140	220	290	ug/Kg
541-73-1	1,3-Dichlorobenzene	140	U	140	220	290	ug/Kg
106-46-7	1,4-Dichlorobenzene	150	U	150	220	290	ug/Kg
100-51-6	Benzyl Alcohol	140	U	140	450	550	ug/Kg
95-48-7	2-Methylphenol	140	U	140	220	290	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	150	220	290	ug/Kg
98-86-2	Acetophenone	150	U	150	220	290	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	450	550	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.6	U	67.6	130	130	ug/Kg
67-72-1	Hexachloroethane	140	U	140	220	290	ug/Kg
98-95-3	Nitrobenzene	150	U	150	220	290	ug/Kg
78-59-1	Isophorone	140	U	140	220	290	ug/Kg
88-75-5	2-Nitrophenol	160	U	160	220	290	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	220	290	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	220	290	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	130	220	290	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	140	U	140	220	290	ug/Kg
65-85-0	Benzoic acid	400	U	400	450	550	ug/Kg
91-20-3	Naphthalene	140	U	140	220	290	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	220	290	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	220	290	ug/Kg

Report of Analysis

Client:		Date Collected:	8/12/2024 12:00:00 AM
Project:		Date Received:	8/12/2024 12:00:00 AM
Client Sample ID:	926-KI-SD-0-0.5-081224	SDG No.:	BM082024
Lab Sample ID:	P3580-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	40.5
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
BM047288.D	1	8/20/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	150	U	150	450	550	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	130	220	290	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	220	290	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	450	550	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	220	290	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	220	290	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	220	290	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	220	290	ug/Kg
88-74-4	2-Nitroaniline	160	U	160	220	290	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	220	290	ug/Kg
208-96-8	Acenaphthylene	150	U	150	220	290	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	140	220	290	ug/Kg
99-09-2	3-Nitroaniline	150	U	150	220	290	ug/Kg
83-32-9	Acenaphthene	140	U	140	220	290	ug/Kg
Total PAH	Total PAH	2240	U	2240	220	4640	ug/Kg
51-28-5	2,4-Dinitrophenol	410	U	410	450	550	ug/Kg
100-02-7	4-Nitrophenol	190	U	190	450	550	ug/Kg
132-64-9	Dibenzofuran	140	U	140	220	290	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	280	U	280	220	580	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	220	290	ug/Kg
84-66-2	Diethylphthalate	130	U	130	220	290	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	220	290	ug/Kg
86-73-7	Fluorene	140	U	140	220	290	ug/Kg
100-01-6	4-Nitroaniline	180	U	180	220	290	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	200	450	550	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	220	290	ug/Kg
103-33-3	Azobenzene	130	U	130	220	290	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	220	290	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	220	290	ug/Kg
1912-24-9	Atrazine	150	U	150	220	290	ug/Kg

Report of Analysis

Client:		Date Collected:	8/12/2024 12:00:00 AM
Project:		Date Received:	8/12/2024 12:00:00 AM
Client Sample ID:	926-KI-SD-0-0.5-081224	SDG No.:	BM082024
Lab Sample ID:	P3580-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	40.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047288.D	1	8/20/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	130	U	130	450	550	ug/Kg
85-01-8	Phenanthrene	200	J	140	220	290	ug/Kg
120-12-7	Anthracene	140	U	140	220	290	ug/Kg
86-74-8	Carbazole	130	U	130	220	290	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	220	290	ug/Kg
206-44-0	Fluoranthene	310		140	220	290	ug/Kg
92-87-5	Benzidine	270	U	270	450	550	ug/Kg
129-00-0	Pyrene	260	J	140	220	290	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	160	220	290	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	450	550	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	220	290	ug/Kg
218-01-9	Chrysene	160	J	130	220	290	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	220	290	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	180	450	550	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	140	220	290	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	U	140	220	290	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	160	220	290	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	220	290	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	220	290	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	220	290	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	220	290	ug/Kg
123-91-1	1,4-Dioxane	180	U	180	220	290	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	130	220	290	ug/Kg
90-12-0	1-Methylnaphthalene	140	U	140	290	290	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	68.071		18-112		45	SPK: -150
13127-88-3	Phenol-d6	62.271		15-107		42	SPK: -150
4165-60-0	Nitrobenzene-d5	45.523		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	48.182		20-109		48	SPK: -100

Report of Analysis

Client:		Date Collected:	8/12/2024 12:00:00 AM
Project:		Date Received:	8/12/2024 12:00:00 AM
Client Sample ID:	926-KI-SD-0-0.5-081224	SDG No.:	BM082024
Lab Sample ID:	P3580-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	40.5
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
BM047288.D	1	8/20/2024 12:00:00 AM	8/21/2024 12:00:00 AM	PB162850

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	68.3		10-116		46	SPK: -150
1718-51-0	Terphenyl-d14	48.898		10-105		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	325100	7.357				
1146-65-2	Naphthalene-d8	1151138	10.11				
15067-26-2	Acenaphthene-d10	676260	14.015				
1517-22-2	Phenanthrene-d10	1233459	16.78				
1719-03-5	Chrysene-d12	998917	21.015				
1520-96-3	Perylene-d12	1183450	23.715				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.569	
000057-10-3	n-Hexadecanoic acid	140	J			17.715	
000053-19-0	Mitotane	220	J			19.868	
000050-29-3	p,p-DDT	730	J			20.309	
000295-17-0	Cyclotetradecane	110	J			20.756	
054087-32-0	7H-Furo[3,2-g][1]benzopyran-7-one,	230	J			21.75	
000629-78-7	Heptadecane	210	J			22.98	

Hit Summary Sheet SW-846

SDG No.: BM082024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 926-KI-SD-0-0.5-081224								
P3580-01	926-KI-SD-0-0.5-081224	Solid	2-Pentanone, 4-hydroxy-4-methyl *	160.000	A			
P3580-01	926-KI-SD-0-0.5-081224	Solid	7H-Furo[3,2-g][1]benzopyran-7-o *	230.000	J			
P3580-01	926-KI-SD-0-0.5-081224	Solid	Cyclotetradecane *	110.000	J			
P3580-01	926-KI-SD-0-0.5-081224	Solid	Heptadecane *	210.000	J			
P3580-01	926-KI-SD-0-0.5-081224	Solid	Mitotane *	220.000	J			
P3580-01	926-KI-SD-0-0.5-081224	Solid	n-Hexadecanoic acid *	140.000	J			
P3580-01	926-KI-SD-0-0.5-081224	Solid	p,p-DDT *	730.000	J			
			Total Tics :	1,800.00				
P3580-01	926-KI-SD-0-0.5-081224	Solid	Benzo(b)fluoranthene	180.000	J	140	290	ug/Kg
P3580-01	926-KI-SD-0-0.5-081224	Solid	Chrysene	160.000	J	130	290	ug/Kg
P3580-01	926-KI-SD-0-0.5-081224	Solid	Fluoranthene	310.000		140	290	ug/Kg
P3580-01	926-KI-SD-0-0.5-081224	Solid	Phenanthrene	200.000	J	140	290	ug/Kg
P3580-01	926-KI-SD-0-0.5-081224	Solid	Pyrene	260.000	J	140	290	ug/Kg
			Total Svoc :	1,110.00				
			Total Concentration:	2,910.00				
Client ID : 932-K1-SD-0-0.5-081524								
P3643-01	932-K1-SD-0-0.5-081524	Solid	(3S,3aS,6R,7R,9aS)-1,1,7-Trimetl *	260.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	1-Heneicosanol *	1,200.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	1-Phenoxypropan-2-ol *	270.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	2-Pentanone, 4-hydroxy-4-methyl *	300.000	A			
P3643-01	932-K1-SD-0-0.5-081524	Solid	9-Nonadecene *	160.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	Cyclotetracosane *	370.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	Dichloroacetic acid, heptadecyl es *	1,100.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	Eucalyptol *	440.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	Heptacosane *	150.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	n-Hexadecanoic acid *	1,700.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	Octadecanoic acid *	730.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	unknown16.992 *	190.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	unknown17.686 *	180.000	J			
P3643-01	932-K1-SD-0-0.5-081524	Solid	unknown3.263 *	170.000	J			
			Total Tics :	7,220.00				
			Total Concentration:	7,220.00				
Client ID : 932-K1-SD-0.5-1.0-081524								
P3643-04	932-K1-SD-0.5-1.0-0815	Solid	1-Heptadecene *	490.000	J			
P3643-04	932-K1-SD-0.5-1.0-0815	Solid	1-Phenoxypropan-2-ol *	180.000	J			
P3643-04	932-K1-SD-0.5-1.0-0815	Solid	2-Pentanone, 4-hydroxy-4-methyl *	240.000	A			

Hit Summary Sheet SW-846

SDG No.: BM082024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3643-04	932-K1-SD-0.5-1.0-0815	Solid	n-Hexadecanoic acid	*	390.000	J		
P3643-04	932-K1-SD-0.5-1.0-0815	Solid	Octadecanoic acid	*	170.000	J		
P3643-04	932-K1-SD-0.5-1.0-0815	Solid	Propylene Glycol	*	180.000	J		
Total Tics :					1,650.00			
Total Concentration:					1,650.00			
Client ID : 917-J-SD-0-0.5-081524								
P3643-05	917-J-SD-0-0.5-081524	Solid	1-Decanol, 2-hexyl-	*	500.000	J		
P3643-05	917-J-SD-0-0.5-081524	Solid	1-Phenoxypropan-2-ol	*	560.000	J		
P3643-05	917-J-SD-0-0.5-081524	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	590.000	A		
P3643-05	917-J-SD-0-0.5-081524	Solid	Heptadecane, 9-octyl-	*	480.000	J		
P3643-05	917-J-SD-0-0.5-081524	Solid	n-Hexadecanoic acid	*	770.000	J		
P3643-05	917-J-SD-0-0.5-081524	Solid	Octadecanoic acid	*	410.000	J		
Total Tics :					3,310.00			
P3643-05	917-J-SD-0-0.5-081524	Solid	Fluoranthene		460.000	J	460	950 ug/Kg
Total Svoc :					460.00			
Total Concentration:					3,770.00			
Client ID : 918-J-SD-0.5-1.0-081524								
P3643-08	918-J-SD-0.5-1.0-081524	Solid	1-Phenoxypropan-2-ol	*	88.700	J		
P3643-08	918-J-SD-0.5-1.0-081524	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A		
P3643-08	918-J-SD-0.5-1.0-081524	Solid	Heptacos-1-ene	*	180.000	J		
P3643-08	918-J-SD-0.5-1.0-081524	Solid	n-Hexadecanoic acid	*	160.000	J		
P3643-08	918-J-SD-0.5-1.0-081524	Solid	Octadecanoic acid	*	91.600	J		
P3643-08	918-J-SD-0.5-1.0-081524	Solid	unknown14.274	*	720.000	J		
Total Tics :					1,390.30			
Total Concentration:					1,390.30			
Client ID : 924-K1-SD-0-0.5-081524								
P3643-09	924-K1-SD-0-0.5-081524	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	A		
P3643-09	924-K1-SD-0-0.5-081524	Solid	5-Octadecene, (E)-	*	230.000	J		
P3643-09	924-K1-SD-0-0.5-081524	Solid	n-Hexadecanoic acid	*	190.000	J		
P3643-09	924-K1-SD-0-0.5-081524	Solid	unknown14.257	*	310.000	J		
P3643-09	924-K1-SD-0-0.5-081524	Solid	unknown14.274	*	350.000	J		
Total Tics :					1,240.00			
Total Concentration:					1,240.00			
Client ID : 921-J-SD-0-0.5-081524								
P3643-11	921-J-SD-0-0.5-081524	Solid	1-Phenoxypropan-2-ol	*	160.000	J		
P3643-11	921-J-SD-0-0.5-081524	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	A		
P3643-11	921-J-SD-0-0.5-081524	Solid	4H-Cyclopenta[def]phenanthrene	*	130.000	J		
P3643-11	921-J-SD-0-0.5-081524	Solid	5H-Indeno[1,2-b]pyridine	*	95.100	J		
P3643-11	921-J-SD-0-0.5-081524	Solid	n-Hexadecanoic acid	*	260.000	J		

Hit Summary Sheet SW-846

SDG No.: BM082024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3643-11	921-J-SD-0-0.5-081524	Solid	unknown14.251	*	350.000	J		
P3643-11	921-J-SD-0-0.5-081524	Solid	unknown14.269	*	480.000	J		
Total Tics :					1,655.10			
P3643-11	921-J-SD-0-0.5-081524	Solid	Anthracene		160.000	J 120	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Benzo(a)anthracene		290.000	110	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Benzo(a)pyrene		260.000	130	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Benzo(b)fluoranthene		300.000	110	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Benzo(g,h,i)perylene		150.000	J 110	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Benzo(k)fluoranthene		130.000	J 110	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Chrysene		270.000	110	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Fluoranthene		640.000	110	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Indeno(1,2,3-cd)pyrene		130.000	J 110	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Phenanthrene		590.000	120	230	ug/Kg
P3643-11	921-J-SD-0-0.5-081524	Solid	Pyrene		580.000	110	230	ug/Kg
Total Svoc :					3,500.00			
Total Concentration:					5,155.10			
Client ID : 921-J-SD-0-0.5-081524-FD								
P3643-13	921-J-SD-0-0.5-081524-F	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	A		
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Cyclopentadecane	*	130.000	J		
P3643-13	921-J-SD-0-0.5-081524-F	Solid	n-Hexadecanoic acid	*	160.000	J		
Total Tics :					420.00			
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Benzo(a)anthracene		120.000	J 98	210	ug/Kg
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Benzo(a)pyrene		110.000	J 110	210	ug/Kg
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Benzo(b)fluoranthene		130.000	J 98.5	210	ug/Kg
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Chrysene		110.000	J 96.5	210	ug/Kg
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Fluoranthene		260.000	99.2	210	ug/Kg
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Phenanthrene		210.000	100	210	ug/Kg
P3643-13	921-J-SD-0-0.5-081524-F	Solid	Pyrene		240.000	100	210	ug/Kg
Total Svoc :					1,180.00			
Total Concentration:					1,600.00			
Client ID : 914-J-WS-081524								
P3645-01	914-J-WS-081524	Water	1-Heptacosanol	*	2.300	J		
P3645-01	914-J-WS-081524	Water	n-Hexadecanoic acid	*	4.700	J		
P3645-01	914-J-WS-081524	Water	Octadecanoic acid	*	2.900	J		
Total Tics :					9.90			
Total Concentration:					9.90			
Client ID : 916-J-WS-081524								
P3645-02	916-J-WS-081524	Water	1-Phenoxypropan-2-ol	*	3.000	J		
P3645-02	916-J-WS-081524	Water	7-Octadecenoic acid, methyl ester	*	2.900	J		

Hit Summary Sheet
SW-846

SDG No.: BM082024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3645-02	916-J-WS-081524	Water	Eicosane	*	4.500	J		
P3645-02	916-J-WS-081524	Water	Eicosane, 1-iodo-	*	2.200	J		
P3645-02	916-J-WS-081524	Water	Heneicosane	*	3.700	J		
P3645-02	916-J-WS-081524	Water	Hexadecanoic acid, methyl ester	*	2.300	J		
P3645-02	916-J-WS-081524	Water	Methyl stearate	*	2.100	J		
P3645-02	916-J-WS-081524	Water	n-Hexadecanoic acid	*	7.300	J		
P3645-02	916-J-WS-081524	Water	Nonadecane	*	2.300	J		
P3645-02	916-J-WS-081524	Water	Nonadecyl pentafluoropropionate	*	6.900	J		
P3645-02	916-J-WS-081524	Water	Octacosane	*	7.000	J		
P3645-02	916-J-WS-081524	Water	Octadecanoic acid	*	3.000	J		
P3645-02	916-J-WS-081524	Water	Propylene Glycol	*	2.600	J		
P3645-02	916-J-WS-081524	Water	Tridecane, 1-iodo-	*	3.300	J		
Total Tics :					53.10			
Total Concentration:					53.10			

Client ID : LIVONIA-SOIL

P3652-01	LIVONIA-SOIL	Solid	Benzo(a)anthracene	190.000		90.5	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Benzo(a)pyrene	190.000		100	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Benzo(b)fluoranthene	230.000		91	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Benzo(g,h,i)perylene	130.000	J	89.8	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Chrysene	190.000		89.2	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Fluoranthene	320.000		91.6	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Indeno(1,2,3-cd)pyrene	110.000	J	87.6	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Phenanthrene	180.000	J	94.2	190	ug/Kg
P3652-01	LIVONIA-SOIL	Solid	Pyrene	360.000		93.1	190	ug/Kg
Total Svoc :					1,900.00			
Total Concentration:					1,900.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM081024 SAS No.: BM081024 SDG No.: BM081024
Instrument ID: _____ Calibration Date(s): 8/10/2024 : _____
Calibration Time(s): 13:12 _____

LAB FILE ID:		RRF2.5 = BM047140.D			RRF005 = BM047141.D		RRF010 = BM047142.D	
		RRF020 = BM047143.D			RRF040 = BM047144.D		RRF050 = BM047145.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.643	0.612	0.629	0.570	0.564	0.594	5.7
Pyridine		1.448	1.390	1.458	1.302	1.299	1.360	5.2
2-Fluorophenol		1.215	1.184	1.197	1.071	1.050	1.119	6.7
Benzaldehyde		1.187	1.048	1.024	0.776	0.750	0.904	23.4
Aniline		1.546	1.516	1.583	1.428	1.401	1.458	6.3
Phenol-d6		1.643	1.599	1.652	1.478	1.470	1.542	5.5
Phenol		1.695	1.600	1.645	1.453	1.450	1.539	6.8
bis(2-Chloroethyl)ether		1.431	1.361	1.407	1.283	1.267	1.318	6.2
2-Chlorophenol		1.306	1.271	1.324	1.185	1.167	1.221	6.4
1,2-Dichlorobenzene		1.526	1.468	1.514	1.314	1.308	1.386	8.1
1,3-Dichlorobenzene		1.567	1.506	1.537	1.408	1.394	1.451	5.8
1,4-Dichlorobenzene		1.581	1.532	1.562	1.429	1.405	1.469	5.9
Benzyl Alcohol		1.083	1.074	1.189	1.098	1.076	1.098	3.9
2-Methylphenol		1.064	1.055	1.115	1.003	0.998	1.027	5.2
2,2-oxybis(1-Chloropropane)		1.904	1.777	1.859	1.659	1.616	1.691	9.5
Acetophenone		0.547	0.517	0.510	0.462	0.450	0.483	8.6
3+4-Methylphenols		1.462	1.442	1.570	1.411	1.405	1.435	4.8
n-Nitroso-di-n-propylamine	1.087	1.169	1.095	1.138	0.982	0.965	1.039	9.1
Nitrobenzene-d5		0.423	0.417	0.420	0.390	0.378	0.397	5.5
Hexachloroethane		0.609	0.577	0.600	0.551	0.553	0.569	4.8
Nitrobenzene		0.425	0.427	0.428	0.393	0.380	0.400	6.4
Isophorone		0.712	0.706	0.732	0.688	0.668	0.692	3.8
2-Nitrophenol		0.156	0.166	0.180	0.182	0.182	0.177	6.6
2,4-Dimethylphenol		0.200	0.209	0.217	0.209	0.206	0.207	2.6
bis(2-Chloroethoxy)methane		0.461	0.461	0.458	0.435	0.421	0.435	6.0
2,4-Dichlorophenol		0.289	0.300	0.318	0.312	0.310	0.308	3.3
1,2,4-Trichlorobenzene		0.357	0.352	0.359	0.346	0.340	0.348	2.3
Benzoic acid		0.182	0.212	0.240	0.251	0.262	0.241	13.8
Naphthalene		1.075	1.041	1.042	0.966	0.949	0.996	5.5
4-Chloroaniline		0.382	0.393	0.409	0.385	0.374	0.383	3.8
Hexachlorobutadiene		0.199	0.200	0.207	0.203	0.203	0.204	2.0
Caprolactam		0.098	0.103	0.112	0.109	0.107	0.107	4.5
4-Chloro-3-methylphenol		0.320	0.324	0.347	0.328	0.323	0.328	2.7
2-Methylnaphthalene		0.741	0.730	0.742	0.689	0.681	0.709	3.8
Hexachlorocyclopentadiene		0.160	0.180	0.191	0.200	0.199	0.190	8.5
2,4,6-Trichlorophenol		0.355	0.372	0.394	0.399	0.394	0.388	4.5

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.: BM081024 SAS No.: BM081024 SDG No.: BM081024
Instrument ID: _____ Calibration Date(s): 8/10/2024 : _____
Calibration Time(s): 13:12 _____

LAB FILE ID:		RRF2.5 = BM047140.D			RRF005 = BM047141.D		RRF010 = BM047142.D	
		RRF020 = BM047143.D			RRF040 = BM047144.D		RRF050 = BM047145.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.406	1.341	1.336	1.265	1.247	1.297	5.1
2,4,5-Trichlorophenol		0.410	0.410	0.438	0.437	0.436	0.430	3.4
1,1-Biphenyl		1.538	1.482	1.479	1.388	1.361	1.424	5.3
2-Chloronaphthalene		1.197	1.169	1.176	1.071	1.060	1.113	5.8
2-Nitroaniline		0.323	0.346	0.367	0.357	0.352	0.349	3.9
Dimethylphthalate		1.472	1.433	1.468	1.379	1.343	1.397	4.4
Acenaphthylene		1.719	1.699	1.732	1.602	1.575	1.640	4.5
2,6-Dinitrotoluene		0.311	0.325	0.337	0.328	0.326	0.327	2.6
3-Nitroaniline		0.310	0.317	0.344	0.331	0.328	0.327	3.5
Acenaphthene		1.115	1.079	1.086	1.008	0.991	1.041	4.9
2,4-Dinitrophenol			0.152	0.185	0.204	0.204	0.196	12.3
4-Nitrophenol		0.247	0.268	0.293	0.293	0.291	0.282	6.4
Dibenzofuran		1.790	1.731	1.728	1.579	1.559	1.644	6.2
2,4-Dinitrotoluene		0.400	0.435	0.460	0.441	0.440	0.436	4.2
Diethylphthalate		1.505	1.486	1.506	1.398	1.365	1.426	5.0
4-Chlorophenyl-phenylether		0.681	0.663	0.663	0.621	0.619	0.646	3.8
Fluorene		1.469	1.428	1.426	1.309	1.290	1.356	6.0
4-Nitroaniline		0.300	0.324	0.346	0.319	0.317	0.322	4.2
4,6-Dinitro-2-methylphenol		0.092	0.107	0.120	0.125	0.126	0.117	11.3
n-Nitrosodiphenylamine		0.570	0.561	0.573	0.536	0.526	0.545	4.2
Azobenzene		1.455	1.445	1.457	1.314	1.280	1.352	7.1
2,4,6-Tribromophenol		0.222	0.233	0.248	0.232	0.228	0.232	3.6
4-Bromophenyl-phenylether		0.190	0.190	0.198	0.191	0.191	0.193	1.9
Hexachlorobenzene		0.236	0.234	0.240	0.229	0.226	0.231	2.7
Atrazine		0.183	0.186	0.182	0.170	0.152	0.164	13.5
Pentachlorophenol		0.141	0.152	0.165	0.168	0.166	0.162	6.9
Phenanthrene		1.090	1.035	1.036	0.976	0.967	1.004	5.0
Anthracene		1.024	1.000	1.026	0.953	0.946	0.977	4.1
Carbazole		1.071	1.041	1.052	0.971	0.954	0.997	5.6
Di-n-butylphthalate		1.175	1.187	1.223	1.165	1.134	1.160	3.5
Fluoranthene		1.294	1.239	1.255	1.199	1.179	1.221	3.6
Benzidine		0.226	0.190	0.373	0.489	0.370	0.339	30.0
Pyrene		1.456	1.398	1.443	1.425	1.414	1.428	1.5
Terphenyl-d14		0.924	0.916	0.958	0.937	0.928	0.933	1.6
Butylbenzylphthalate		0.511	0.552	0.600	0.608	0.599	0.583	6.5
3,3-Dichlorobenzidine		0.373	0.390	0.439	0.443	0.427	0.415	6.2

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.: BM081024 SAS No.: BM081024 SDG No.: BM081024
Instrument ID: _____ Calibration Date(s): 8/10/2024 : _____
Calibration Time(s): 13:12 _____

LAB FILE ID:		RRF2.5 = BM047140.D			RRF005 = BM047141.D		RRF010 = BM047142.D	
		RRF020 = BM047143.D			RRF040 = BM047144.D		RRF050 = BM047145.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.390	1.331	1.364	1.300	1.291	1.328	2.9
Chrysene		1.350	1.283	1.301	1.224	1.214	1.260	4.2
Bis(2-ethylhexyl)phthalate		0.771	0.808	0.867	0.845	0.832	0.826	3.8
Di-n-octyl phthalate		1.212	1.316	1.430	1.457	1.450	1.405	7.3
Benzo(b)fluoranthene		1.182	1.200	1.222	1.161	1.179	1.188	1.9
Benzo(k)fluoranthene		1.192	1.134	1.175	1.097	1.059	1.122	4.4
Benzo(a)pyrene		1.014	1.015	1.066	1.024	1.012	1.029	1.9
Indeno(1,2,3-cd)pyrene		1.326	1.280	1.366	1.279	1.278	1.293	3.4
Dibenzo(a,h)anthracene		1.096	1.051	1.119	1.021	1.021	1.046	4.4
Benzo(g,h,i)perylene		1.119	1.082	1.162	1.076	1.082	1.086	4.4
1,2,4,5-Tetrachlorobenzene		0.539	0.531	0.554	0.543	0.546	0.546	1.7
1,4-Dioxane		0.519	0.490	0.495	0.438	0.436	0.464	7.9
2,3,4,6-Tetrachlorophenol		0.333	0.345	0.369	0.355	0.354	0.354	3.4
1-Methylnaphthalene		0.737	0.726	0.735	0.681	0.668	0.701	4.3

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: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 20 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 09:51

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	343346	7.375	1.38769e+01	10.13	915049	14.03
	UPPER LIMIT	686692	7.875	2775380	10.634	1830098	14.533
	LOWER LIMIT	171673	6.875	693845	9.634	457524.5	13.533
	EPA SAMPLE NO.						
01	PB162798BL	275628	7.36	1.03693e	10.12	708027	14.02
02	PB162798BS	394850	7.36	1.38044e	10.12	769634	14.02
03	932-K1-SD-0-0.5-081524	175726	7.36	681123 *	10.12	460301	14.02
04	932-K1-SD-0-0.5-081524MS	224756	7.36	875032	10.12	598415	14.02
05	932-K1-SD-0-0.5-081524MSD	210656	7.36	828497	10.12	574741	14.02
06	932-K1-SD-0.5-1.0-081524	216646	7.36	806956	10.12	551285	14.02
07	918-J-SD-0.5-1.0-081524	220888	7.36	824948	10.12	567747	14.02
08	924-K1-SD-0-0.5-081524	208945	7.36	771966	10.12	538125	14.02
09	PB162806TB	322105	7.36	1.13977e	10.12	713083	14.02
10	PB162861BL	271766	7.36	970762	10.11	590959	14.02
11	PB162861BS	306092	7.36	1.0892e+	10.12	646868	14.02
12	ETGI - 370	270066	7.36	933360	10.12	565512	14.02
13	ETGI - 370MS	274934	7.36	976324	10.12	575438	14.02
14	ETGI - 370MSD	289964	7.36	1.08949e	10.12	705681	14.02
15	914-J-WS-081524	298308	7.36	1.08587e	10.11	684460	14.02
16	916-J-WS-081524	312772	7.36	1.14266e	10.11	745797	14.02
17	LIVONIA-SOIL	312401	7.36	1.17393e	10.11	750515	14.02
18	LIVONIA-SOILMS	319115	7.36	1.09916e	10.11	618026	14.02
19	LIVONIA-SOILMSD	332130	7.36	1.2362e+	10.12	773731	14.02
20	921-J-SD-0-0.5-081524-FD	288445	7.36	1.05101e	10.11	662317	14.02
21	917-J-SD-0-0.5-081524	293300	7.36	1.06611e	10.11	647610	14.02
22	921-J-SD-0-0.5-081524	300622	7.36	1.07651e	10.11	659428	14.02
23	926-KI-SD-0-0.5-081224	325100	7.36	1.15114e	10.11	676260	14.02

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 21 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 02:52

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	343346	7.375	1.38769e+01	10.13	915049	14.03
UPPER LIMIT	686692	7.875	2775380	10.634	1830098	14.533
LOWER LIMIT	171673	6.875	693845	9.634	457524.5	13.533
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 20 2024 12:00AM

Lab File ID: BM047263.D Time Analyzed: 09:51

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	345222	7.363	1.31538e+01	10.12	877836	14.02
UPPER LIMIT	690444	7.863	2630760	10.616	1755672	14.521
LOWER LIMIT	172611	6.863	657690	9.616	438918	13.521
EPA SAMPLE NO.						
01 PB162798BL	275628	7.36	1.03693e	10.12	708027	14.02
02 PB162798BS	394850	7.36	1.38044e	10.12	769634	14.02
03 932-K1-SD-0-0.5-081524	175726	7.36	681123	10.12	460301	14.02
04 932-K1-SD-0-0.5-081524MS	224756	7.36	875032	10.12	598415	14.02
05 932-K1-SD-0-0.5-081524MSD	210656	7.36	828497	10.12	574741	14.02
06 932-K1-SD-0.5-1.0-081524	216646	7.36	806956	10.12	551285	14.02
07 918-J-SD-0.5-1.0-081524	220888	7.36	824948	10.12	567747	14.02
08 924-K1-SD-0-0.5-081524	208945	7.36	771966	10.12	538125	14.02

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: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 20 2024 12:00AM

Lab File ID: BM047273.D Time Analyzed: 17:36

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	329969	7.357	1.19376e+01	10.12	731367	14.02
UPPER LIMIT	659938	7.857	2387520	10.616	1462734	14.522
LOWER LIMIT	164984.5	6.857	596880	9.616	365683.5	13.522
EPA SAMPLE NO.						
01 PB162806TB	322105	7.36	1.13977e	10.12	713083	14.02
02 PB162861BL	271766	7.36	970762	10.11	590959	14.02
03 PB162861BS	306092	7.36	1.0892e+	10.12	646868	14.02
04 ETGI - 370	270066	7.36	933360	10.12	565512	14.02
05 ETGI - 370MS	274934	7.36	976324	10.12	575438	14.02
06 ETGI - 370MSD	289964	7.36	1.08949e	10.12	705681	14.02
07 914-J-WS-081524	298308	7.36	1.08587e	10.11	684460	14.02
08 916-J-WS-081524	312772	7.36	1.14266e	10.11	745797	14.02
09 LIVONIA-SOIL	312401	7.36	1.17393e	10.11	750515	14.02
10 LIVONIA-SOILMS	319115	7.36	1.09916e	10.11	618026	14.02
11 LIVONIA-SOILMSD	332130	7.36	1.2362e+	10.12	773731	14.02
12 921-J-SD-0-0.5-081524-FD	288445	7.36	1.05101e	10.11	662317	14.02
13 917-J-SD-0-0.5-081524	293300	7.36	1.06611e	10.11	647610	14.02
14 921-J-SD-0-0.5-081524	300622	7.36	1.07651e	10.11	659428	14.02
15 926-KI-SD-0-0.5-081224	325100	7.36	1.15114e	10.11	676260	14.02

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 20 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 09:51

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.90156e+01	16.792	1.67411e+	21.033	2.01924e+01	23.727
	UPPER LIMIT	3803120	17.292	3348220	21.533	4038480	24.227
	LOWER LIMIT	950780	16.292	837055	20.533	1009620	23.227
	EPA SAMPLE NO.						
01	PB162798BL	1.58282	16.79	1.61265e+	21.03	1.5051e+0	23.73
02	PB162798BS	1.33712	16.79	871812	21.03	1.04542e+	23.72
03	932-K1-SD-0-0.5-081524	1.02495	16.79	1.12812e+	21.03	1.23896e+	23.72
04	932-K1-SD-0-0.5-081524MS	1.31866	16.79	1.10734e+	21.03	1.12428e+	23.72
05	932-K1-SD-0-0.5-081524MSD	1.24702	16.79	1.09054e+	21.03	1.13255e+	23.73
06	932-K1-SD-0.5-1.0-081524	1.22837	16.79	1.19833e+	21.03	1.15711e+	23.72
07	918-J-SD-0.5-1.0-081524	1.25801	16.79	1.22921e+	21.02	1.16849e+	23.72
08	924-K1-SD-0-0.5-081524	1.21209	16.79	1.23875e+	21.02	1.2104e+0	23.72
09	PB162806TB	1.36898	16.79	1.0891e+0	21.02	1.19681e+	23.72
10	PB162861BL	1.17708	16.78	1.08221e+	21.02	1.23416e+	23.72
11	PB162861BS	1.20358	16.78	862111	21.03	1.04886e+	23.72
12	ETGI - 370	1.07105	16.78	884079	21.02	908458 *	23.72
13	ETGI - 370MS	1.09092	16.79	846420	21.03	1.01419e+	23.72
14	ETGI - 370MSD	1.45365	16.79	1.15006e+	21.03	1.18835e+	23.72
15	914-J-WS-081524	1.32103	16.78	1.06041e+	21.02	1.11504e+	23.72
16	916-J-WS-081524	1.53097	16.78	1.30954e+	21.02	1.29141e+	23.72
17	LIVONIA-SOIL	1.46646	16.78	1.12066e+	21.02	1.17252e+	23.72
18	LIVONIA-SOILMS	1.13438	16.78	911523	21.02	1.1749e+0	23.72
19	LIVONIA-SOILMSD	1.50932	16.78	1.02801e+	21.02	1.17385e+	23.72
20	921-J-SD-0-0.5-081524-FD	1.27585	16.78	1.01237e+	21.02	1.0733e+0	23.71
21	917-J-SD-0-0.5-081524	1.23439	16.78	974757	21.02	1.06484e+	23.71

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 21 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 02:12

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.90156e+04	16.792	1.67411e+	21.033	2.01924e+04	23.727
UPPER LIMIT	3803120	17.292	3348220	21.533	4038480	24.227
LOWER LIMIT	950780	16.292	837055	20.533	1009620	23.227
EPA SAMPLE NO.						
22 921-J-SD-0-0.5-081524	1.26114	16.78	985648	21.02	1.07957e+	23.71
23 926-KI-SD-0-0.5-081224	1.23346	16.78	998917	21.02	1.18345e+	23.72

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 20 2024 12:00AM

Lab File ID: BM047263.D Time Analyzed: 09:51

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.86166e+01	16.786	1.40424e+01	21.027	1.37786e+01	23.727
UPPER LIMIT	3723320	17.286	2808480	21.527	2755720	24.227
LOWER LIMIT	930830	16.286	702120	20.527	688930	23.227
EPA SAMPLE NO.						
01 PB162798BL	1.58282	16.79	1.61265e+01	21.03	1.5051e+01	23.73
02 PB162798BS	1.33712	16.79	871812	21.03	1.04542e+01	23.72
03 932-K1-SD-0-0.5-081524	1.02495	16.79	1.12812e+01	21.03	1.23896e+01	23.72
04 932-K1-SD-0-0.5-081524MS	1.31866	16.79	1.10734e+01	21.03	1.12428e+01	23.72
05 932-K1-SD-0-0.5-081524MSD	1.24702	16.79	1.09054e+01	21.03	1.13255e+01	23.73
06 932-K1-SD-0.5-1.0-081524	1.22837	16.79	1.19833e+01	21.03	1.15711e+01	23.72
07 918-J-SD-0.5-1.0-081524	1.25801	16.79	1.22921e+01	21.02	1.16849e+01	23.72
08 924-K1-SD-0-0.5-081524	1.21209	16.79	1.23875e+01	21.02	1.2104e+01	23.72

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 20 2024 12:00AM

Lab File ID: BM047273.D Time Analyzed: 17:36

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.42124e+0	16.786	1.06242e+	21.027	1.26788e+0	23.721
	UPPER LIMIT	2842480	17.286	2124840	21.527	2535760	24.221
	LOWER LIMIT	710620	16.286	531210	20.527	633940	23.221
	EPA SAMPLE NO.						
01	PB162806TB	1.36898	16.79	1.0891e+0	21.02	1.19681e+	23.72
02	PB162861BL	1.17708	16.78	1.08221e+	21.02	1.23416e+	23.72
03	PB162861BS	1.20358	16.78	862111	21.03	1.04886e+	23.72
04	ETGI - 370	1.07105	16.78	884079	21.02	908458	23.72
05	ETGI - 370MS	1.09092	16.79	846420	21.03	1.01419e+	23.72
06	ETGI - 370MSD	1.45365	16.79	1.15006e+	21.03	1.18835e+	23.72
07	914-J-WS-081524	1.32103	16.78	1.06041e+	21.02	1.11504e+	23.72
08	916-J-WS-081524	1.53097	16.78	1.30954e+	21.02	1.29141e+	23.72
09	LIVONIA-SOIL	1.46646	16.78	1.12066e+	21.02	1.17252e+	23.72
10	LIVONIA-SOILMS	1.13438	16.78	911523	21.02	1.1749e+0	23.72
11	LIVONIA-SOILMSD	1.50932	16.78	1.02801e+	21.02	1.17385e+	23.72
12	921-J-SD-0-0.5-081524-FD	1.27585	16.78	1.01237e+	21.02	1.0733e+0	23.71
13	917-J-SD-0-0.5-081524	1.23439	16.78	974757	21.02	1.06484e+	23.71
14	921-J-SD-0-0.5-081524	1.26114	16.78	985648	21.02	1.07957e+	23.71
15	926-KI-SD-0-0.5-081224	1.23346	16.78	998917	21.02	1.18345e+	23.72

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082024 SAS No.: BM082024 SDG NO.: BM082024

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 21 2024 12:00AM

Lab File ID: BM047273.D Time Analyzed: 02:52

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.42124e+04	16.786	1.06242e+04	21.027	1.26788e+04	23.721
UPPER LIMIT	2842480	17.286	2124840	21.527	2535760	24.221
LOWER LIMIT	710620	16.286	531210	20.527	633940	23.221
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.: **BM082024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162798BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103		
	Pyridine	1700	910	ug/Kg	54				28	98		
	Benzaldehyde	1700	480	ug/Kg	28				10	133		
	Aniline	1700	850	ug/Kg	50				38	100		
	Phenol	1700	1300	ug/Kg	76				62	112		
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101		
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112		
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102		
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99		
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100		
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116		
	2-Methylphenol	1700	1300	ug/Kg	76				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100		
	Acetophenone	1700	1300	ug/Kg	76				66	98		
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111		
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95		
	Hexachloroethane	1700	1400	ug/Kg	82				72	108		
	Nitrobenzene	1700	1400	ug/Kg	82				57	101		
	Isophorone	1700	1400	ug/Kg	82				59	99		
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111		
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97		
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107		
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110		
	Benzoic acid	1700	1300	ug/Kg	76				10	140		
	Naphthalene	1700	1400	ug/Kg	82				62	100		
	4-Chloroaniline	1700	660	ug/Kg	39				16	100		
	Hexachlorobutadiene	1700	1700	ug/Kg	100		*		53	98		
	Caprolactam	1700	1100	ug/Kg	65		*		67	110		
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	4600	ug/Kg	139				45	165		
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102		
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98		
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103		
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99		
	2-Nitroaniline	1700	1300	ug/Kg	76				66	101		
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99		
	Acenaphthylene	1700	1600	ug/Kg	94				63	101		
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104		
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100		
	Acenaphthene	1700	1400	ug/Kg	82				57	104		
	Total PAH	27200	25900	ug/Kg	95				57	104		
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162798BS	4-Nitrophenol	3300	2200	ug/Kg	67				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1300	ug/Kg	76				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	2700	ug/Kg	79				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1100	ug/Kg	65				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100		*		71	99	
	Azobenzene	1700	1300	ug/Kg	76				54	103	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				66	102	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	1100	ug/Kg	33				10	98	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	2000	ug/Kg	118		*		63	101	
	Dibenz(a,h)anthracene	1700	2000	ug/Kg	118		*		61	112	
	Benzo(g,h,i)perylene	1700	2000	ug/Kg	118		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162861BS	n-Nitrosodimethylamine	50	36.6	ug/L	73				55	108	
	Pyridine	50	31	ug/L	62				29	97	
	Benzaldehyde	50	29.7	ug/L	59				10	162	
	Aniline	50	40.3	ug/L	81				10	130	
	Phenol	50	38.4	ug/L	77				66	118	
	bis(2-Chloroethyl)ether	50	38.7	ug/L	77				62	103	
	2-Chlorophenol	50	43.1	ug/L	86				70	117	
	1,2-Dichlorobenzene	50	42.1	ug/L	84				72	102	
	1,3-Dichlorobenzene	50	41.2	ug/L	82				71	103	
	1,4-Dichlorobenzene	50	41.3	ug/L	83				76	103	
	Benzyl Alcohol	50	41.2	ug/L	82				36	93	
	2-Methylphenol	50	39.6	ug/L	79				69	109	
	2,2-oxybis(1-Chloropropane)	50	38.3	ug/L	77				65	100	
	Acetophenone	50	41	ug/L	82				60	104	
	3+4-Methylphenols	50	37.8	ug/L	76				67	106	
	N-Nitroso-di-n-propylamine	50	35.2	ug/L	70				57	107	
	Hexachloroethane	50	41.1	ug/L	82				76	118	
	Nitrobenzene	50	40.2	ug/L	80				58	106	
	Isophorone	50	41	ug/L	82				61	102	
	2-Nitrophenol	50	46.7	ug/L	93				70	115	
	2,4-Dimethylphenol	50	53.3	ug/L	107				42	142	
	bis(2-Chloroethoxy)methane	50	41.4	ug/L	83				58	109	
	2,4-Dichlorophenol	50	46	ug/L	92				66	115	
	1,2,4-Trichlorobenzene	50	44.5	ug/L	89				41	115	
	Benzoic acid	50	38.2	ug/L	76				10	125	
	Naphthalene	50	42	ug/L	84				64	107	
	4-Chloroaniline	50	27.8	ug/L	56				10	85	
	Hexachlorobutadiene	50	48.5	ug/L	97				69	101	
	Caprolactam	50	36.5	ug/L	73				58	128	
	4-Chloro-3-methylphenol	50	39.8	ug/L	80				65	114	
	2-Methylnaphthalene	50	41.3	ug/L	83				64	107	
	Hexachlorocyclopentadiene	100	180	ug/L	180		*		36	160	
	2,4,6-Trichlorophenol	50	48	ug/L	96				61	110	
	2,4,5-Trichlorophenol	50	45.7	ug/L	91				70	106	
	1,1-Biphenyl	50	43.6	ug/L	87				72	98	
	2-Chloronaphthalene	50	43.1	ug/L	86				59	106	
	2-Nitroaniline	50	40.1	ug/L	80				73	114	
	Dimethylphthalate	50	42.8	ug/L	86				64	103	
	Acenaphthylene	50	45.9	ug/L	92				79	103	
	2,6-Dinitrotoluene	50	40.8	ug/L	82				64	110	
	3-Nitroaniline	50	29.2	ug/L	58				28	100	
	Acenaphthene	50	43.7	ug/L	87				59	113	
	Total PAH	800	735.8	ug/L	92				59	113	
	2,4-Dinitrophenol	100	84.9	ug/L	85				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162861BS	4-Nitrophenol	100	74.3	ug/L	74				45	147	
	Dibenzofuran	50	42.9	ug/L	86				65	106	
	2,4-Dinitrotoluene	50	39.5	ug/L	79				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	80.3	ug/L	80				60	115	
	Diethylphthalate	50	40.5	ug/L	81				63	105	
	4-Chlorophenyl-phenylether	50	42.8	ug/L	86				61	104	
	Fluorene	50	41.3	ug/L	83				64	107	
	4-Nitroaniline	50	35.5	ug/L	71				55	125	
	4,6-Dinitro-2-methylphenol	50	47.9	ug/L	96				62	132	
	N-Nitrosodiphenylamine	50	47.9	ug/L	96				61	109	
	Azobenzene	50	39.1	ug/L	78				59	106	
	4-Bromophenyl-phenylether	50	49.2	ug/L	98				73	103	
	Hexachlorobenzene	50	47.5	ug/L	95				73	106	
	Atrazine	50	56.8	ug/L	114				76	120	
	Pentachlorophenol	100	86.3	ug/L	86				47	114	
	Phenanthrene	50	45	ug/L	90				62	109	
	Anthracene	50	47.2	ug/L	94				65	110	
	Carbazole	50	41.5	ug/L	83				62	106	
	Di-n-butylphthalate	50	43.8	ug/L	88				64	106	
	Fluoranthene	50	40.2	ug/L	80				64	110	
	Benzidine	100	99.9	ug/L	100		*		10	94	
	Pyrene	50	49.9	ug/L	100				71	103	
	Butylbenzylphthalate	50	49.9	ug/L	100				61	105	
	3,3-Dichlorobenzidine	50	49.1	ug/L	98				43	108	
	Benzo(a)anthracene	50	46.5	ug/L	93				62	107	
	Chrysene	50	45.9	ug/L	92				61	108	
	bis(2-Ethylhexyl)phthalate	50	48.8	ug/L	98				59	110	
	Di-n-octyl phthalate	50	48.7	ug/L	97				52	139	
	Benzo(b)fluoranthene	50	43.1	ug/L	86				77	113	
	Benzo(k)fluoranthene	50	45.8	ug/L	92				77	105	
	Benzo(a)pyrene	50	49.1	ug/L	98				72	131	
	Indeno(1,2,3-cd)pyrene	50	51.4	ug/L	103				72	105	
	Dibenz(a,h)anthracene	50	50.6	ug/L	101				78	115	
	Benzo(g,h,i)perylene	50	48.2	ug/L	96				75	118	
	1,2,4,5-Tetrachlorobenzene	50	49.6	ug/L	99				72	101	
	1,4-Dioxane	50	33.7	ug/L	67				38	125	
	2,3,4,6-Tetrachlorophenol	50	45.5	ug/L	91				63	116	
	1-Methylnaphthalene	50	38.8	ug/L	78				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

914-J-WS-081524

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082024

SAS No.: BM082024 SDG NO.: BM082024

Lab File ID: BM047280.D

Lab Sample ID: P3645-01

Instrument ID: BNA_M

Date Extracted: 08/16/2024

Matrix: (soil/water) Water

Date Analyzed: 08/20/2024

Level: (low/med) LOW

Time Analyzed: 21:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
914-J-WS-081524	P3645-01	BM047280.D	08/20/2024
916-J-WS-081524	P3645-02	BM047281.D	08/20/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162798BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082024

SAS No.: BM082024 SDG NO.: BM082024

Lab File ID: BM047264.D

Lab Sample ID: PB162798BL

Instrument ID: BNA_M

Date Extracted: 08/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/20/2024

Level: (low/med) LOW

Time Analyzed: 09:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162798BS	PB162798BS	BM047265.D	08/20/2024
932-K1-SD-0-0.5-081524	P3643-01	BM047266.D	08/20/2024
932-K1-SD-0-0.5-081524MS	P3643-02MS	BM047267.D	08/20/2024
932-K1-SD-0-0.5-081524MSD	P3643-03MSD	BM047268.D	08/20/2024
932-K1-SD-0.5-1.0-081524	P3643-04	BM047269.D	08/20/2024
918-J-SD-0.5-1.0-081524	P3643-08	BM047270.D	08/20/2024
924-K1-SD-0-0.5-081524	P3643-09	BM047271.D	08/20/2024
921-J-SD-0-0.5-081524-FD	P3643-13	BM047285.D	08/21/2024
917-J-SD-0-0.5-081524	P3643-05	BM047286.D	08/21/2024
921-J-SD-0-0.5-081524	P3643-11	BM047287.D	08/21/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LIVONIA-SOIL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082024

SAS No.: BM082024 SDG NO.: BM082024

Lab File ID: BM047282.D

Lab Sample ID: P3652-01

Instrument ID: BNA_M

Date Extracted: 08/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/20/2024

Level: (low/med) LOW

Time Analyzed: 22:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
LIVONIA-SOIL	P3652-01	BM047282.D	08/20/2024
LIVONIA-SOILMS	P3652-01MS	BM047283.D	08/20/2024
LIVONIA-SOILMSD	P3652-01MSD	BM047284.D	08/21/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

926-KI-SD-0-0.5-081

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082024

SAS No.: BM082024 SDG NO.: BM082024

Lab File ID: BM047288.D

Lab Sample ID: P3580-01

Instrument ID: BNA_M

Date Extracted: 08/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/21/2024

Level: (low/med) LOW

Time Analyzed: 02:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
926-KI-SD-0-0.5-081224	P3580-01	BM047288.D	08/21/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162861BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082024

SAS No.: BM082024 SDG NO.: BM082024

Lab File ID: BM047275.D

Lab Sample ID: PB162861BL

Instrument ID: BNA_M

Date Extracted: 08/19/2024

Matrix: (soil/water) water

Date Analyzed: 08/20/2024

Level: (low/med) LOW

Time Analyzed: 18:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162861BS	PB162861BS	BM047276.D	08/20/2024
ETGI - 370	P3637-02	BM047277.D	08/20/2024
ETGI - 370MS	P3637-02MS	BM047278.D	08/20/2024
ETGI - 370MSD	P3637-02MSD	BM047279.D	08/20/2024
PB162806TB	PB162806TB	BM047274.D	08/20/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3643-02MS		Client Sample ID: 932-K1-SD-0-0.5-081524MS		DataFile: BM047267.D							
n-Nitrosodimethylamine	3100		2400	ug/Kg	77				66	124	
Pyridine	3100		2300	ug/Kg	74				45	119	
Benzaldehyde	3100		2600	ug/Kg	84				10	86	
Aniline	3100		2300	ug/Kg	74				10	88	
Phenol	3100		3000	ug/Kg	97				67	126	
bis(2-Chloroethyl)ether	3100		2700	ug/Kg	87				54	125	
2-Chlorophenol	3100		3100	ug/Kg	100				79	107	
1,2-Dichlorobenzene	3100		2900	ug/Kg	94				61	105	
1,3-Dichlorobenzene	3100		2800	ug/Kg	90				62	101	
1,4-Dichlorobenzene	3100		2800	ug/Kg	90				63	104	
Benzyl Alcohol	3100		3200	ug/Kg	103				47	126	
2-Methylphenol	3100		3100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	3100		2700	ug/Kg	87				65	110	
Acetophenone	3100		2800	ug/Kg	90				75	111	
3+4-Methylphenols	3100		3000	ug/Kg	97				66	104	
N-Nitroso-di-n-propylamine	3100		2600	ug/Kg	84				59	119	
Hexachloroethane	3100		2700	ug/Kg	87				65	117	
Nitrobenzene	3100		2700	ug/Kg	87				70	119	
Isophorone	3100		2900	ug/Kg	94				76	122	
2-Nitrophenol	3100		3200	ug/Kg	103				54	145	
2,4-Dimethylphenol	3100		3900	ug/Kg	126				44	135	
bis(2-Chloroethoxy)methane	3100		2900	ug/Kg	94				68	112	
2,4-Dichlorophenol	3100		3400	ug/Kg	110				72	118	
1,2,4-Trichlorobenzene	3100		3000	ug/Kg	97				57	103	
Benzoic acid	3100		3400	ug/Kg	110	*			50	104	
Naphthalene	3100		2900	ug/Kg	94				72	110	
4-Chloroaniline	3100		1700	ug/Kg	55				10	91	
Hexachlorobutadiene	3100		3200	ug/Kg	103				66	114	
Caprolactam	3100		3400	ug/Kg	110				51	134	
4-Chloro-3-methylphenol	3100		3200	ug/Kg	103				57	132	
2-Methylnaphthalene	3100		3000	ug/Kg	97				59	123	
Hexachlorocyclopentadiene	6100		7500	ug/Kg	123				10	175	
2,4,6-Trichlorophenol	3100		3400	ug/Kg	110				72	117	
2,4,5-Trichlorophenol	3100		3300	ug/Kg	106				72	117	
1,1-Biphenyl	3100		2900	ug/Kg	94				75	113	
2-Chloronaphthalene	3100		2900	ug/Kg	94				67	118	
2-Nitroaniline	3100		3000	ug/Kg	97				69	127	
Dimethylphthalate	3100		3000	ug/Kg	97				70	113	
Acenaphthylene	3100		3200	ug/Kg	103				79	118	
2,6-Dinitrotoluene	3100		3000	ug/Kg	97				70	125	
3-Nitroaniline	3100		2200	ug/Kg	71				30	99	
Acenaphthene	3100		3000	ug/Kg	97				70	121	
Total PAH	49600		48900	ug/Kg	99				70	121	
2,4-Dinitrophenol	6100		6300	ug/Kg	103				10	155	
4-Nitrophenol	6100		6300	ug/Kg	103				45	133	
Dibenzofuran	3100		3000	ug/Kg	97				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	3100		3000	ug/Kg	97				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	6200		6000	ug/Kg	97				55	128	
Diethylphthalate	3100		3000	ug/Kg	97				70	112	
4-Chlorophenyl-phenylether	3100		3100	ug/Kg	100				71	108	
Fluorene	3100		3000	ug/Kg	97				68	116	
4-Nitroaniline	3100		3000	ug/Kg	97				55	120	
4,6-Dinitro-2-methylphenol	3100		3100	ug/Kg	100				10	160	
N-Nitrosodiphenylamine	3100		3000	ug/Kg	97				73	118	
Azobenzene	3100		2800	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	3100		3100	ug/Kg	100				65	121	
Hexachlorobenzene	3100		3000	ug/Kg	97				67	118	
Atrazine	3100		4000	ug/Kg	129	*			79	127	
Pentachlorophenol	6100		6200	ug/Kg	102				47	128	
Phenanthrene	3100		3000	ug/Kg	97				52	128	
Anthracene	3100		3200	ug/Kg	103				62	124	
Carbazole	3100		3000	ug/Kg	97				59	119	
Di-n-butylphthalate	3100		3000	ug/Kg	97				69	118	
Fluoranthene	3100		3000	ug/Kg	97				44	125	
Benzidine	6100		5500	ug/Kg	90				10	119	
Pyrene	3100		3300	ug/Kg	106				26	142	
Butylbenzylphthalate	3100		3500	ug/Kg	113				64	126	
3,3-Dichlorobenzidine	3100		2900	ug/Kg	94				33	116	
Benzo(a)anthracene	3100		3100	ug/Kg	100				71	114	
Chrysene	3100		3000	ug/Kg	97				57	121	
bis(2-Ethylhexyl)phthalate	3100		3300	ug/Kg	106				42	169	
Di-n-octyl phthalate	3100		3400	ug/Kg	110				23	175	
Benzo(b)fluoranthene	3100		3000	ug/Kg	97				67	121	
Benzo(k)fluoranthene	3100		3200	ug/Kg	103				57	134	
Benzo(a)pyrene	3100		3200	ug/Kg	103				70	142	
Indeno(1,2,3-cd)pyrene	3100		3000	ug/Kg	97				40	129	
Dibenz(a,h)anthracene	3100		3000	ug/Kg	97				43	123	
Benzo(g,h,i)perylene	3100		2800	ug/Kg	90				24	125	
1,2,4,5-Tetrachlorobenzene	3100		3200	ug/Kg	103				69	124	
1,4-Dioxane	3100		2400	ug/Kg	77				46	112	
2,3,4,6-Tetrachlorophenol	3100		3600	ug/Kg	116	*			69	112	
1-Methylnaphthalene	3100		2900	ug/Kg	94				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3643-03MSD		Client Sample ID: 932-K1-SD-0-0.5-081524MSD		DataFile: BM047268.D							
n-Nitrosodimethylamine	3100		2300	ug/Kg	74		4		66	124	20
Pyridine	3100		2300	ug/Kg	74		0		45	119	20
Benzaldehyde	3100		2500	ug/Kg	81		4		10	86	20
Aniline	3100		2300	ug/Kg	74		0		10	88	20
Phenol	3100		2900	ug/Kg	94		3		67	126	20
bis(2-Chloroethyl)ether	3100		2600	ug/Kg	84		4		54	125	20
2-Chlorophenol	3100		3100	ug/Kg	100		0		79	107	20
1,2-Dichlorobenzene	3100		2800	ug/Kg	90		4		61	105	20
1,3-Dichlorobenzene	3100		2800	ug/Kg	90		0		62	101	20
1,4-Dichlorobenzene	3100		2800	ug/Kg	90		0		63	104	20
Benzyl Alcohol	3100		3100	ug/Kg	100		3		47	126	20
2-Methylphenol	3100		3000	ug/Kg	97		3		66	122	20
2,2-oxybis(1-Chloropropane)	3100		2600	ug/Kg	84		4		65	110	20
Acetophenone	3100		2700	ug/Kg	87		3		75	111	20
3+4-Methylphenols	3100		2900	ug/Kg	94		3		66	104	20
N-Nitroso-di-n-propylamine	3100		2600	ug/Kg	84		0		59	119	20
Hexachloroethane	3100		2700	ug/Kg	87		0		65	117	20
Nitrobenzene	3100		2600	ug/Kg	84		4		70	119	20
Isophorone	3100		2800	ug/Kg	90		4		76	122	20
2-Nitrophenol	3100		3100	ug/Kg	100		3		54	145	20
2,4-Dimethylphenol	3100		3800	ug/Kg	123		2		44	135	20
bis(2-Chloroethoxy)methane	3100		2700	ug/Kg	87		8		68	112	20
2,4-Dichlorophenol	3100		3300	ug/Kg	106		4		72	118	20
1,2,4-Trichlorobenzene	3100		2900	ug/Kg	94		3		57	103	20
Benzoic acid	3100		3300	ug/Kg	106	*	4		50	104	20
Naphthalene	3100		2800	ug/Kg	90		4		72	110	20
4-Chloroaniline	3100		1800	ug/Kg	58		5		10	91	20
Hexachlorobutadiene	3100		3100	ug/Kg	100		3		66	114	20
Caprolactam	3100		3300	ug/Kg	106		4		51	134	20
4-Chloro-3-methylphenol	3100		3100	ug/Kg	100		3		57	132	20
2-Methylnaphthalene	3100		2900	ug/Kg	94		3		59	123	20
Hexachlorocyclopentadiene	6100		6900	ug/Kg	113		8		10	175	20
2,4,6-Trichlorophenol	3100		3200	ug/Kg	103		7		72	117	20
2,4,5-Trichlorophenol	3100		3200	ug/Kg	103		3		72	117	20
1,1-Biphenyl	3100		2800	ug/Kg	90		4		75	113	20
2-Chloronaphthalene	3100		2800	ug/Kg	90		4		67	118	20
2-Nitroaniline	3100		2800	ug/Kg	90		7		69	127	20
Dimethylphthalate	3100		2900	ug/Kg	94		3		70	113	20
Acenaphthylene	3100		3000	ug/Kg	97		6		79	118	20
2,6-Dinitrotoluene	3100		2800	ug/Kg	90		7		70	125	20
3-Nitroaniline	3100		2100	ug/Kg	68		4		30	99	20
Acenaphthene	3100		2900	ug/Kg	94		3		70	121	20
Total PAH	49600		47200	ug/Kg	95		4		70	121	20
2,4-Dinitrophenol	6100		6000	ug/Kg	98		5		10	155	20
4-Nitrophenol	6100		6100	ug/Kg	100		3		45	133	20
Dibenzofuran	3100		2900	ug/Kg	94		3		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	3100		2900	ug/Kg	94		3		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	6200		5700	ug/Kg	92		5		55	128	20
Diethylphthalate	3100		2800	ug/Kg	90		7		70	112	20
4-Chlorophenyl-phenylether	3100		3000	ug/Kg	97		3		71	108	20
Fluorene	3100		2900	ug/Kg	94		3		68	116	20
4-Nitroaniline	3100		2800	ug/Kg	90		7		55	120	20
4,6-Dinitro-2-methylphenol	3100		3000	ug/Kg	97		3		10	160	20
N-Nitrosodiphenylamine	3100		2900	ug/Kg	94		3		73	118	20
Azobenzene	3100		2700	ug/Kg	87		3		73	110	20
4-Bromophenyl-phenylether	3100		3000	ug/Kg	97		3		65	121	20
Hexachlorobenzene	3100		2900	ug/Kg	94		3		67	118	20
Atrazine	3100		3800	ug/Kg	123		5		79	127	20
Pentachlorophenol	6100		6200	ug/Kg	102		0		47	128	20
Phenanthrene	3100		2900	ug/Kg	94		3		52	128	20
Anthracene	3100		3100	ug/Kg	100		3		62	124	20
Carbazole	3100		2900	ug/Kg	94		3		59	119	20
Di-n-butylphthalate	3100		2900	ug/Kg	94		3		69	118	20
Fluoranthene	3100		3000	ug/Kg	97		0		44	125	20
Benzydine	6100		5700	ug/Kg	93		3		10	119	20
Pyrene	3100		3100	ug/Kg	100		6		26	142	20
Butylbenzylphthalate	3100		3300	ug/Kg	106		6		64	126	20
3,3-Dichlorobenzidine	3100		2900	ug/Kg	94		0		33	116	20
Benzo(a)anthracene	3100		3000	ug/Kg	97		3		71	114	20
Chrysene	3100		2900	ug/Kg	94		3		57	121	20
bis(2-Ethylhexyl)phthalate	3100		3100	ug/Kg	100		6		42	169	20
Di-n-octyl phthalate	3100		3300	ug/Kg	106		4		23	175	20
Benzo(b)fluoranthene	3100		3000	ug/Kg	97		0		67	121	20
Benzo(k)fluoranthene	3100		3000	ug/Kg	97		6		57	134	20
Benzo(a)pyrene	3100		3100	ug/Kg	100		3		70	142	20
Indeno(1,2,3-cd)pyrene	3100		2900	ug/Kg	94		3		40	129	20
Dibenz(a,h)anthracene	3100		2900	ug/Kg	94		3		43	123	20
Benzo(g,h,i)perylene	3100		2700	ug/Kg	87		3		24	125	20
1,2,4,5-Tetrachlorobenzene	3100		3000	ug/Kg	97		6		69	124	20
1,4-Dioxane	3100		2400	ug/Kg	77		0		46	112	20
2,3,4,6-Tetrachlorophenol	3100		3400	ug/Kg	110		5		69	112	20
1-Methylnaphthalene	3100		2800	ug/Kg	90		4		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3637-02MS		Client Sample ID: ETGI - 370MS		DataFile: BM047278.D							
n-Nitrosodimethylamine	500		420	ug/L	84				10	130	
Pyridine	500		290	ug/L	58				10	109	
Benzaldehyde	500		180	ug/L	36				10	137	
Aniline	500		230	ug/L	46				10	130	
Phenol	500		400	ug/L	80				10	130	
bis(2-Chloroethyl)ether	500		450	ug/L	90				29	141	
2-Chlorophenol	500		490	ug/L	98				23	127	
1,2-Dichlorobenzene	500		480	ug/L	96				61	114	
1,3-Dichlorobenzene	500		470	ug/L	94				65	106	
1,4-Dichlorobenzene	500		470	ug/L	94				55	125	
Benzyl Alcohol	500		480	ug/L	96	*			31	94	
2-Methylphenol	500		450	ug/L	90				37	126	
2,2-oxybis(1-Chloropropane)	500		440	ug/L	88				36	141	
Acetophenone	500		480	ug/L	96				31	164	
3+4-Methylphenols	500		430	ug/L	86				31	127	
N-Nitroso-di-n-propylamine	500		410	ug/L	82				36	147	
Hexachloroethane	500		460	ug/L	92				49	110	
Nitrobenzene	500		470	ug/L	94				62	112	
Isophorone	500		490	ug/L	98				39	146	
2-Nitrophenol	500		540	ug/L	108				30	148	
2,4-Dimethylphenol	500		620	ug/L	124				17	143	
bis(2-Chloroethoxy)methane	500		490	ug/L	98				39	143	
2,4-Dichlorophenol	500		540	ug/L	108				22	146	
1,2,4-Trichlorobenzene	500		520	ug/L	104				66	110	
Benzoic acid	500		400	ug/L	80				10	101	
Naphthalene	500		490	ug/L	98				17	157	
4-Chloroaniline	500		83.8	ug/L	17				10	95	
Hexachlorobutadiene	500		560	ug/L	112				52	125	
Caprolactam	500		360	ug/L	72				10	130	
4-Chloro-3-methylphenol	500		460	ug/L	92				17	148	
2-Methylnaphthalene	500		480	ug/L	96				38	146	
Hexachlorocyclopentadiene	1000		2100	ug/L	210	*			20	153	
2,4,6-Trichlorophenol	500		570	ug/L	114	*			78	112	
2,4,5-Trichlorophenol	500		530	ug/L	106				71	111	
1,1-Biphenyl	500		520	ug/L	104				38	154	
2-Chloronaphthalene	500		510	ug/L	102				41	145	
2-Nitroaniline	500		480	ug/L	96				39	151	
Dimethylphthalate	500		510	ug/L	102				42	147	
Acenaphthylene	500		550	ug/L	110				40	141	
2,6-Dinitrotoluene	500		490	ug/L	98				43	148	
3-Nitroaniline	500		260	ug/L	52				10	111	
Acenaphthene	500		520	ug/L	104				37	146	
Total PAH	8000		8630	ug/L	108				37	146	
2,4-Dinitrophenol	1000		1100	ug/L	110				14	167	
4-Nitrophenol	1000		820	ug/L	82				10	130	
Dibenzofuran	500		520	ug/L	104				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		970	ug/L	97				50	142	
2,4-Dinitrotoluene	500		480	ug/L	96				50	142	
Diethylphthalate	500		480	ug/L	96				41	148	
4-Chlorophenyl-phenylether	500		520	ug/L	104				38	149	
Fluorene	500		500	ug/L	100				39	144	
4-Nitroaniline	500		410	ug/L	82				27	138	
4,6-Dinitro-2-methylphenol	500		580	ug/L	116				32	175	
N-Nitrosodiphenylamine	500		550	ug/L	110				40	150	
Azobenzene	500		470	ug/L	94				72	112	
4-Bromophenyl-phenylether	500		590	ug/L	118				42	151	
Hexachlorobenzene	500		550	ug/L	110				72	115	
Atrazine	500		540	ug/L	108				20	162	
Pentachlorophenol	1000		1000	ug/L	100				25	139	
Phenanthrene	500		530	ug/L	106				40	147	
Anthracene	500		560	ug/L	112				41	146	
Carbazole	500		490	ug/L	98				37	154	
Di-n-butylphthalate	500		520	ug/L	104				40	151	
Fluoranthene	500		490	ug/L	98				42	146	
Benzydine	1000		460	ug/L	46				10	130	
Pyrene	500		560	ug/L	112				41	149	
Butylbenzylphthalate	500		580	ug/L	116				39	155	
3,3-Dichlorobenzidine	500		380	ug/L	76				10	114	
Benzo(a)anthracene	500		550	ug/L	110				41	147	
Chrysene	500		540	ug/L	108				44	144	
bis(2-Ethylhexyl)phthalate	500		570	ug/L	114				33	160	
Di-n-octyl phthalate	500		580	ug/L	116				36	158	
Benzo(b)fluoranthene	500		510	ug/L	102				40	150	
Benzo(k)fluoranthene	500		540	ug/L	108				40	147	
Benzo(a)pyrene	500		570	ug/L	114				42	147	
Indeno(1,2,3-cd)pyrene	500		590	ug/L	118				30	166	
Dibenz(a,h)anthracene	500		580	ug/L	116				23	172	
Benzo(g,h,i)perylene	500		550	ug/L	110				27	167	
1,2,4,5-Tetrachlorobenzene	500		590	ug/L	118	*			89	102	
1,4-Dioxane	500		410	ug/L	82				38	130	
2,3,4,6-Tetrachlorophenol	500		540	ug/L	108				91	111	
1-Methylnaphthalene	500		460	ug/L	92				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3637-02MSD		Client Sample ID: ETGI - 370MSD		DataFile: BM047279.D							
n-Nitrosodimethylamine	500		410	ug/L	82		2		10	130	20
Pyridine	500		310	ug/L	62		7		10	109	20
Benzaldehyde	500		190	ug/L	38		5		10	137	20
Aniline	500		270	ug/L	54		16		10	130	20
Phenol	500		420	ug/L	84		5		10	130	20
bis(2-Chloroethyl)ether	500		460	ug/L	92		2		29	141	20
2-Chlorophenol	500		510	ug/L	102		4		23	127	20
1,2-Dichlorobenzene	500		470	ug/L	94		2		61	114	20
1,3-Dichlorobenzene	500		460	ug/L	92		2		65	106	20
1,4-Dichlorobenzene	500		460	ug/L	92		2		55	125	20
Benzyl Alcohol	500		520	ug/L	104	*	8		31	94	20
2-Methylphenol	500		480	ug/L	96		6		37	126	20
2,2-oxybis(1-Chloropropane)	500		450	ug/L	90		2		36	141	20
Acetophenone	500		480	ug/L	96		0		31	164	20
3+4-Methylphenols	500		470	ug/L	94		9		31	127	20
N-Nitroso-di-n-propylamine	500		440	ug/L	88		7		36	147	20
Hexachloroethane	500		450	ug/L	90		2		49	110	20
Nitrobenzene	500		460	ug/L	92		2		62	112	20
Isophorone	500		500	ug/L	100		2		39	146	20
2-Nitrophenol	500		540	ug/L	108		0		30	148	20
2,4-Dimethylphenol	500		650	ug/L	130		5		17	143	20
bis(2-Chloroethoxy)methane	500		500	ug/L	100		2		39	143	20
2,4-Dichlorophenol	500		560	ug/L	112		4		22	146	20
1,2,4-Trichlorobenzene	500		500	ug/L	100		4		66	110	20
Benzoic acid	500		450	ug/L	90		12		10	101	20
Naphthalene	500		480	ug/L	96		2		17	157	20
4-Chloroaniline	500		100	ug/L	20		16		10	95	20
Hexachlorobutadiene	500		540	ug/L	108		4		52	125	20
Caprolactam	500		430	ug/L	86		18		10	130	20
4-Chloro-3-methylphenol	500		510	ug/L	102		10		17	148	20
2-Methylnaphthalene	500		500	ug/L	100		4		38	146	20
Hexachlorocyclopentadiene	1000		1900	ug/L	190	*	10		20	153	20
2,4,6-Trichlorophenol	500		570	ug/L	114	*	0		78	112	20
2,4,5-Trichlorophenol	500		540	ug/L	108		2		71	111	20
1,1-Biphenyl	500		500	ug/L	100		4		38	154	20
2-Chloronaphthalene	500		500	ug/L	100		2		41	145	20
2-Nitroaniline	500		500	ug/L	100		4		39	151	20
Dimethylphthalate	500		530	ug/L	106		4		42	147	20
Acenaphthylene	500		540	ug/L	108		2		40	141	20
2,6-Dinitrotoluene	500		510	ug/L	102		4		43	148	20
3-Nitroaniline	500		280	ug/L	56		7		10	111	20
Acenaphthene	500		520	ug/L	104		0		37	146	20
Total PAH	8000		8510	ug/L	106		2		37	146	20
2,4-Dinitrophenol	1000		1200	ug/L	120		9		14	167	20
4-Nitrophenol	1000		890	ug/L	89		8		10	130	20
Dibenzofuran	500		520	ug/L	104		0		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1020	ug/L	102		5		50	142	20
2,4-Dinitrotoluene	500		510	ug/L	102		6		50	142	20
Diethylphthalate	500		510	ug/L	102		6		41	148	20
4-Chlorophenyl-phenylether	500		530	ug/L	106		2		38	149	20
Fluorene	500		510	ug/L	102		2		39	144	20
4-Nitroaniline	500		450	ug/L	90		9		27	138	20
4,6-Dinitro-2-methylphenol	500		580	ug/L	116		0		32	175	20
N-Nitrosodiphenylamine	500		530	ug/L	106		4		40	150	20
Azobenzene	500		480	ug/L	96		2		72	112	20
4-Bromophenyl-phenylether	500		570	ug/L	114		3		42	151	20
Hexachlorobenzene	500		540	ug/L	108		2		72	115	20
Atrazine	500		560	ug/L	112		4		20	162	20
Pentachlorophenol	1000		1000	ug/L	100		0		25	139	20
Phenanthrene	500		530	ug/L	106		0		40	147	20
Anthracene	500		550	ug/L	110		2		41	146	20
Carbazole	500		490	ug/L	98		0		37	154	20
Di-n-butylphthalate	500		530	ug/L	106		2		40	151	20
Fluoranthene	500		510	ug/L	102		4		42	146	20
Benzidine	1000		240	ug/L	24		63	*	10	130	20
Pyrene	500		580	ug/L	116		4		41	149	20
Butylbenzylphthalate	500		600	ug/L	120		3		39	155	20
3,3-Dichlorobenzidine	500		350	ug/L	70		8		10	114	20
Benzo(a)anthracene	500		540	ug/L	108		2		41	147	20
Chrysene	500		530	ug/L	106		2		44	144	20
bis(2-Ethylhexyl)phthalate	500		590	ug/L	118		3		33	160	20
Di-n-octyl phthalate	500		600	ug/L	120		3		36	158	20
Benzo(b)fluoranthene	500		550	ug/L	110		8		40	150	20
Benzo(k)fluoranthene	500		550	ug/L	110		2		40	147	20
Benzo(a)pyrene	500		580	ug/L	116		2		42	147	20
Indeno(1,2,3-cd)pyrene	500		530	ug/L	106		11		30	166	20
Dibenz(a,h)anthracene	500		530	ug/L	106		9		23	172	20
Benzo(g,h,i)perylene	500		480	ug/L	96		14		27	167	20
1,2,4,5-Tetrachlorobenzene	500		550	ug/L	110	*	7		89	102	20
1,4-Dioxane	500		400	ug/L	80		2		38	130	20
2,3,4,6-Tetrachlorophenol	500		570	ug/L	114	*	5		91	111	20
1-Methylnaphthalene	500		480	ug/L	96		4		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3652-01MS		Client Sample ID: LIVONIA-SOILMS		DataFile: BM047283.D							
n-Nitrosodimethylamine	1900		1400	ug/Kg	74				66	124	
Pyridine	1900		1300	ug/Kg	68				45	119	
Benzaldehyde	1900		1100	ug/Kg	58				10	86	
Aniline	1900		1400	ug/Kg	74				10	88	
Phenol	1900		1400	ug/Kg	74				67	126	
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79				54	125	
2-Chlorophenol	1900		1600	ug/Kg	84				79	107	
1,2-Dichlorobenzene	1900		1600	ug/Kg	84				61	105	
1,3-Dichlorobenzene	1900		1600	ug/Kg	84				62	101	
1,4-Dichlorobenzene	1900		1600	ug/Kg	84				63	104	
Benzyl Alcohol	1900		1500	ug/Kg	79				47	126	
2-Methylphenol	1900		1400	ug/Kg	74				66	122	
2,2-oxybis(1-Chloropropane)	1900		1400	ug/Kg	74				65	110	
Acetophenone	1900		1600	ug/Kg	84				75	111	
3+4-Methylphenols	1900		1400	ug/Kg	74				66	104	
N-Nitroso-di-n-propylamine	1900		1300	ug/Kg	68				59	119	
Hexachloroethane	1900		1600	ug/Kg	84				65	117	
Nitrobenzene	1900		1500	ug/Kg	79				70	119	
Isophorone	1900		1500	ug/Kg	79				76	122	
2-Nitrophenol	1900		1800	ug/Kg	95				54	145	
2,4-Dimethylphenol	1900		2000	ug/Kg	105				44	135	
bis(2-Chloroethoxy)methane	1900		1600	ug/Kg	84				68	112	
2,4-Dichlorophenol	1900		1700	ug/Kg	89				72	118	
1,2,4-Trichlorobenzene	1900		1700	ug/Kg	89				57	103	
Benzoic acid	1900		1400	ug/Kg	74				50	104	
Naphthalene	1900		1600	ug/Kg	84				72	110	
4-Chloroaniline	1900		1000	ug/Kg	53				10	91	
Hexachlorobutadiene	1900		1900	ug/Kg	100				66	114	
Caprolactam	1900		1300	ug/Kg	68				51	134	
4-Chloro-3-methylphenol	1900		1400	ug/Kg	74				57	132	
2-Methylnaphthalene	1900		1600	ug/Kg	84				59	123	
Hexachlorocyclopentadiene	3700		6400	ug/Kg	173				10	175	
2,4,6-Trichlorophenol	1900		1800	ug/Kg	95				72	117	
2,4,5-Trichlorophenol	1900		1800	ug/Kg	95				72	117	
1,1-Biphenyl	1900		1700	ug/Kg	89				75	113	
2-Chloronaphthalene	1900		1700	ug/Kg	89				67	118	
2-Nitroaniline	1900		1500	ug/Kg	79				69	127	
Dimethylphthalate	1900		1600	ug/Kg	84				70	113	
Acenaphthylene	1900		1800	ug/Kg	95				79	118	
2,6-Dinitrotoluene	1900		1600	ug/Kg	84				70	125	
3-Nitroaniline	1900		1200	ug/Kg	63				30	99	
Acenaphthene	1900		1700	ug/Kg	89				70	121	
Total PAH	30400	1900	29000	ug/Kg	95				70	121	
2,4-Dinitrophenol	3700		3100	ug/Kg	84				10	155	
4-Nitrophenol	3700		2700	ug/Kg	73				45	133	
Dibenzofuran	1900		1600	ug/Kg	84				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3100	ug/Kg	82				55	128	
2,4-Dinitrotoluene	1900		1500	ug/Kg	79				55	128	
Diethylphthalate	1900		1500	ug/Kg	79				70	112	
4-Chlorophenyl-phenylether	1900		1600	ug/Kg	84				71	108	
Fluorene	1900		1600	ug/Kg	84				68	116	
4-Nitroaniline	1900		1300	ug/Kg	68				55	120	
4,6-Dinitro-2-methylphenol	1900		1700	ug/Kg	89				10	160	
N-Nitrosodiphenylamine	1900		1800	ug/Kg	95				73	118	
Azobenzene	1900		1500	ug/Kg	79				73	110	
4-Bromophenyl-phenylether	1900		1900	ug/Kg	100				65	121	
Hexachlorobenzene	1900		1800	ug/Kg	95				67	118	
Atrazine	1900		2100	ug/Kg	111				79	127	
Pentachlorophenol	3700		3300	ug/Kg	89				47	128	
Phenanthrene	1900	180	1800	ug/Kg	85				52	128	
Anthracene	1900		1800	ug/Kg	95				62	124	
Carbazole	1900		1600	ug/Kg	84				59	119	
Di-n-butylphthalate	1900		1700	ug/Kg	89				69	118	
Fluoranthene	1900	320	1800	ug/Kg	78				44	125	
Benzidine	3700		3400	ug/Kg	92				10	119	
Pyrene	1900	360	2000	ug/Kg	86				26	142	
Butylbenzylphthalate	1900		1800	ug/Kg	95				64	126	
3,3-Dichlorobenzidine	1900		1900	ug/Kg	100				33	116	
Benzo(a)anthracene	1900	190	1900	ug/Kg	90				71	114	
Chrysene	1900	190	1900	ug/Kg	90				57	121	
bis(2-Ethylhexyl)phthalate	1900		1700	ug/Kg	89				42	169	
Di-n-octyl phthalate	1900		1800	ug/Kg	95				23	175	
Benzo(b)fluoranthene	1900	230	1800	ug/Kg	83				67	121	
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89				57	134	
Benzo(a)pyrene	1900	190	2000	ug/Kg	95				70	142	
Indeno(1,2,3-cd)pyrene	1900	110	2000	ug/Kg	99				40	129	
Dibenz(a,h)anthracene	1900		1800	ug/Kg	95				43	123	
Benzo(g,h,i)perylene	1900	130	1800	ug/Kg	88				24	125	
1,2,4,5-Tetrachlorobenzene	1900		2000	ug/Kg	105				69	124	
1,4-Dioxane	1900		1400	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1900		1700	ug/Kg	89				69	112	
1-Methylnaphthalene	1900		1400	ug/Kg	74				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3652-01MSD		Client Sample ID: LIVONIA-SOILMSD		DataFile: BM047284.D							
n-Nitrosodimethylamine	1900		1400	ug/Kg	74		0		66	124	20
Pyridine	1900		1300	ug/Kg	68		0		45	119	20
Benzaldehyde	1900		1200	ug/Kg	63		8		10	86	20
Aniline	1900		1600	ug/Kg	84		13		10	88	20
Phenol	1900		1600	ug/Kg	84		13		67	126	20
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79		0		54	125	20
2-Chlorophenol	1900		1700	ug/Kg	89		6		79	107	20
1,2-Dichlorobenzene	1900		1600	ug/Kg	84		0		61	105	20
1,3-Dichlorobenzene	1900		1600	ug/Kg	84		0		62	101	20
1,4-Dichlorobenzene	1900		1600	ug/Kg	84		0		63	104	20
Benzyl Alcohol	1900		1700	ug/Kg	89		12		47	126	20
2-Methylphenol	1900		1600	ug/Kg	84		13		66	122	20
2,2-oxybis(1-Chloropropane)	1900		1500	ug/Kg	79		7		65	110	20
Acetophenone	1900		1600	ug/Kg	84		0		75	111	20
3+4-Methylphenols	1900		1600	ug/Kg	84		13		66	104	20
N-Nitroso-di-n-propylamine	1900		1400	ug/Kg	74		8		59	119	20
Hexachloroethane	1900		1600	ug/Kg	84		0		65	117	20
Nitrobenzene	1900		1500	ug/Kg	79		0		70	119	20
Isophorone	1900		1600	ug/Kg	84		6		76	122	20
2-Nitrophenol	1900		1800	ug/Kg	95		0		54	145	20
2,4-Dimethylphenol	1900		2100	ug/Kg	111		6		44	135	20
bis(2-Chloroethoxy)methane	1900		1600	ug/Kg	84		0		68	112	20
2,4-Dichlorophenol	1900		1900	ug/Kg	100		12		72	118	20
1,2,4-Trichlorobenzene	1900		1700	ug/Kg	89		0		57	103	20
Benzoic acid	1900		1700	ug/Kg	89		18		50	104	20
Naphthalene	1900		1600	ug/Kg	84		0		72	110	20
4-Chloroaniline	1900		1200	ug/Kg	63		17		10	91	20
Hexachlorobutadiene	1900		1900	ug/Kg	100		0		66	114	20
Caprolactam	1900		1600	ug/Kg	84		21	*	51	134	20
4-Chloro-3-methylphenol	1900		1600	ug/Kg	84		13		57	132	20
2-Methylnaphthalene	1900		1700	ug/Kg	89		6		59	123	20
Hexachlorocyclopentadiene	3700		5700	ug/Kg	154		12		10	175	20
2,4,6-Trichlorophenol	1900		1900	ug/Kg	100		5		72	117	20
2,4,5-Trichlorophenol	1900		1800	ug/Kg	95		0		72	117	20
1,1-Biphenyl	1900		1700	ug/Kg	89		0		75	113	20
2-Chloronaphthalene	1900		1700	ug/Kg	89		0		67	118	20
2-Nitroaniline	1900		1600	ug/Kg	84		6		69	127	20
Dimethylphthalate	1900		1700	ug/Kg	89		6		70	113	20
Acenaphthylene	1900		1800	ug/Kg	95		0		79	118	20
2,6-Dinitrotoluene	1900		1600	ug/Kg	84		0		70	125	20
3-Nitroaniline	1900		1300	ug/Kg	68		8		30	99	20
Acenaphthene	1900		1700	ug/Kg	89		0		70	121	20
Total PAH	30400	1900	29700	ug/Kg	98		3		70	121	20
2,4-Dinitrophenol	3700		3300	ug/Kg	89		6		10	155	20
4-Nitrophenol	3700		2900	ug/Kg	78		7		45	133	20
Dibenzofuran	1900		1700	ug/Kg	89		6		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3200	ug/Kg	84		2		55	128	20
2,4-Dinitrotoluene	1900		1600	ug/Kg	84		6		55	128	20
Diethylphthalate	1900		1600	ug/Kg	84		6		70	112	20
4-Chlorophenyl-phenylether	1900		1700	ug/Kg	89		6		71	108	20
Fluorene	1900		1600	ug/Kg	84		0		68	116	20
4-Nitroaniline	1900		1400	ug/Kg	74		8		55	120	20
4,6-Dinitro-2-methylphenol	1900		1800	ug/Kg	95		7		10	160	20
N-Nitrosodiphenylamine	1900		1800	ug/Kg	95		0		73	118	20
Azobenzene	1900		1500	ug/Kg	79		0		73	110	20
4-Bromophenyl-phenylether	1900		1900	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1900		1800	ug/Kg	95		0		67	118	20
Atrazine	1900		2200	ug/Kg	116		4		79	127	20
Pentachlorophenol	3700		3400	ug/Kg	92		3		47	128	20
Phenanthrene	1900	180	1900	ug/Kg	91		7		52	128	20
Anthracene	1900		1800	ug/Kg	95		0		62	124	20
Carbazole	1900		1600	ug/Kg	84		0		59	119	20
Di-n-butylphthalate	1900		1700	ug/Kg	89		0		69	118	20
Fluoranthene	1900	320	1800	ug/Kg	78		0		44	125	20
Benzidine	3700		3900	ug/Kg	105		13		10	119	20
Pyrene	1900	360	2300	ug/Kg	102		17		26	142	20
Butylbenzylphthalate	1900		2000	ug/Kg	105		10		64	126	20
3,3-Dichlorobenzidine	1900		2000	ug/Kg	105		5		33	116	20
Benzo(a)anthracene	1900	190	1900	ug/Kg	90		0		71	114	20
Chrysene	1900	190	1900	ug/Kg	90		0		57	121	20
bis(2-Ethylhexyl)phthalate	1900		2000	ug/Kg	105		16		42	169	20
Di-n-octyl phthalate	1900		1900	ug/Kg	100		5		23	175	20
Benzo(b)fluoranthene	1900	230	1900	ug/Kg	88		6		67	121	20
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95		7		57	134	20
Benzo(a)pyrene	1900	190	2000	ug/Kg	95		0		70	142	20
Indeno(1,2,3-cd)pyrene	1900	110	2000	ug/Kg	99		0		40	129	20
Dibenz(a,h)anthracene	1900		1800	ug/Kg	95		0		43	123	20
Benzo(g,h,i)perylene	1900	130	1900	ug/Kg	93		6		24	125	20
1,2,4,5-Tetrachlorobenzene	1900		1900	ug/Kg	100		5		69	124	20
1,4-Dioxane	1900		1400	ug/Kg	74		0		46	112	20
2,3,4,6-Tetrachlorophenol	1900		1800	ug/Kg	95		7		69	112	20
1-Methylnaphthalene	1900		1600	ug/Kg	84		13		70	130	20

Surrogate Summary

SW-846

SDG No.: **BM082024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3645-01	914-J-WS-081524	BM047280.D	2-Fluorophenol	150	80.63	54		10	139
			Phenol-d6	150	49.93	33		10	134
			Nitrobenzene-d5	100	80.51	81		49	133
			2-Fluorobiphenyl	100	87.15	87		52	132
			2,4,6-Tribromophenol	150	129.35	86		44	137
			Terphenyl-d14	100	88.35	88		48	125
P3645-02	916-J-WS-081524	BM047281.D	2-Fluorophenol	150	72.59	48		10	139
			Phenol-d6	150	45.20	30		10	134
			Nitrobenzene-d5	100	76.86	77		49	133
			2-Fluorobiphenyl	100	81.64	82		52	132
			2,4,6-Tribromophenol	150	132.75	88		44	137
			Terphenyl-d14	100	93.51	94		48	125

Surrogate Summary

SW-846

SDG No.: **BM082024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3643-01	932-K1-SD-0-0.5-0:BM047266.D		2-Fluorophenol	150	115.84	77		18	112
			Phenol-d6	150	111.91	75		15	107
			Nitrobenzene-d5	100	68.15	68		18	107
			2-Fluorobiphenyl	100	58.90	59		20	109
			2,4,6-Tribromophenol	150	124.36	83		10	116
			Terphenyl-d14	100	48.72	49		10	105
P3643-02MS	932-K1-SD-0-0.5-0:BM047267.D		2-Fluorophenol	150	111.66	74		18	112
			Phenol-d6	150	108.74	72		15	107
			Nitrobenzene-d5	100	66.09	66		18	107
			2-Fluorobiphenyl	100	57.81	58		20	109
			2,4,6-Tribromophenol	150	114.13	76		10	116
			Terphenyl-d14	100	58.64	59		10	105
P3643-03MSD	932-K1-SD-0-0.5-0:BM047268.D		2-Fluorophenol	150	109.19	73		18	112
			Phenol-d6	150	105.77	71		15	107
			Nitrobenzene-d5	100	64.21	64		18	107
			2-Fluorobiphenyl	100	55.26	55		20	109
			2,4,6-Tribromophenol	150	110.10	73		10	116
			Terphenyl-d14	100	55.62	56		10	105
P3643-04	932-K1-SD-0.5-1.0-BM047269.D		2-Fluorophenol	150	133.22	89		18	112
			Phenol-d6	150	127.41	85		15	107
			Nitrobenzene-d5	100	84.87	85		18	107
			2-Fluorobiphenyl	100	84.80	85		20	109
			2,4,6-Tribromophenol	150	157.73	105		10	116
			Terphenyl-d14	100	93.93	94		10	105
P3643-05	917-J-SD-0-0.5-081BM047286.D		2-Fluorophenol	150	73.46	49		18	112
			Phenol-d6	150	67.65	45		15	107
			Nitrobenzene-d5	100	45.75	46		18	107
			2-Fluorobiphenyl	100	41.74	42		20	109
			2,4,6-Tribromophenol	150	71.01	47		10	116
			Terphenyl-d14	100	38.77	39		10	105
P3643-08	918-J-SD-0.5-1.0-0:BM047270.D		2-Fluorophenol	150	93.99	63		18	112
			Phenol-d6	150	90.91	61		15	107
			Nitrobenzene-d5	100	58.72	59		18	107
			2-Fluorobiphenyl	100	60.44	60		20	109
			2,4,6-Tribromophenol	150	113.96	76		10	116
			Terphenyl-d14	100	69.74	70		10	105
P3643-09	924-K1-SD-0-0.5-0:BM047271.D		2-Fluorophenol	150	90.06	60		18	112
			Phenol-d6	150	87.50	58		15	107
			Nitrobenzene-d5	100	57.53	58		18	107
			2-Fluorobiphenyl	100	57.25	57		20	109
			2,4,6-Tribromophenol	150	116.31	78		10	116
			Terphenyl-d14	100	70.34	70		10	105
P3643-11	921-J-SD-0-0.5-081BM047287.D		2-Fluorophenol	150	89.18	59		18	112
			Phenol-d6	150	82.54	55		15	107
			Nitrobenzene-d5	100	54.79	55		18	107
			2-Fluorobiphenyl	100	48.62	49		20	109
			2,4,6-Tribromophenol	150	83.61	56		10	116
			Terphenyl-d14	100	53.23	53		10	105
P3643-13	921-J-SD-0-0.5-081BM047285.D		2-Fluorophenol	150	78.96	53		18	112

Surrogate Summary

SW-846

SDG No.: **BM082024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3643-13	921-J-SD-0-0.5-081BM047285.D		Phenol-d6	150	73.14	49		15	107
			Nitrobenzene-d5	100	49.42	49		18	107
			2-Fluorobiphenyl	100	44.20	44		20	109
			2,4,6-Tribromophenol	150	74.73	50		10	116
			Terphenyl-d14	100	51.03	51		10	105
PB162798BL	PB162798BL	BM047264.D	2-Fluorophenol	150	119.33	80		18	112
			Phenol-d6	150	110.89	74		15	107
			Nitrobenzene-d5	100	75.50	76		18	107
			2-Fluorobiphenyl	100	79.84	80		20	109
			2,4,6-Tribromophenol	150	133.45	89		10	116
PB162798BS	PB162798BS	BM047265.D	Terphenyl-d14	100	88.25	88		10	105
			2-Fluorophenol	150	120.25	80		18	112
			Phenol-d6	150	107.71	72		15	107
			Nitrobenzene-d5	100	77.83	78		18	107
			2-Fluorobiphenyl	100	89.60	90		20	109
			2,4,6-Tribromophenol	150	115.95	77		10	116
			Terphenyl-d14	100	114.06	114	*	10	105

Surrogate Summary

SW-846

SDG No.: **BM082024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3652-01	LIVONIA-SOIL	BM047282.D	2-Fluorophenol	150	102.23	68		18	112
			Phenol-d6	150	98.47	66		15	107
			Nitrobenzene-d5	100	68.86	69		18	107
			2-Fluorobiphenyl	100	74.05	74		20	109
			2,4,6-Tribromophenol	150	109.01	73		10	116
			Terphenyl-d14	100	90.21	90		10	105
P3652-01MS	LIVONIA-SOILMSBM047283.D		2-Fluorophenol	150	98.07	65		18	112
			Phenol-d6	150	88.53	59		15	107
			Nitrobenzene-d5	100	68.63	69		18	107
			2-Fluorobiphenyl	100	77.61	78		20	109
			2,4,6-Tribromophenol	150	101.58	68		10	116
			Terphenyl-d14	100	81.66	82		10	105
P3652-01MSD	LIVONIA-SOILMSBM047284.D		2-Fluorophenol	150	103.39	69		18	112
			Phenol-d6	150	98.21	65		15	107
			Nitrobenzene-d5	100	68.86	69		18	107
			2-Fluorobiphenyl	100	75.54	76		20	109
			2,4,6-Tribromophenol	150	109.58	73		10	116
			Terphenyl-d14	100	97.50	97		10	105

Surrogate Summary

SW-846

SDG No.: BM082024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3580-01	926-KI-SD-0-0.5-08BM047288.D		2-Fluorophenol	150	68.07	45		18	112
			Phenol-d6	150	62.27	42		15	107
			Nitrobenzene-d5	100	45.52	46		18	107
			2-Fluorobiphenyl	100	48.18	48		20	109
			2,4,6-Tribromophenol	150	68.30	46		10	116
			Terphenyl-d14	100	48.90	49		10	105

Surrogate Summary

SW-846

SDG No.: **BM082024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3637-02	ETGI - 370	BM047277.D	2-Fluorophenol	150	123.39	82		10	139
			Phenol-d6	150	104.37	70		10	134
			Nitrobenzene-d5	100	91.32	91		49	133
			2-Fluorobiphenyl	100	98.48	98		52	132
			2,4,6-Tribromophenol	150	141.30	94		44	137
			Terphenyl-d14	100	108.28	108		48	125
P3637-02MS	ETGI - 370MS	BM047278.D	2-Fluorophenol	150	129.53	86		10	139
			Phenol-d6	150	110.15	73		10	134
			Nitrobenzene-d5	100	94.05	94		49	133
			2-Fluorobiphenyl	100	103.41	103		52	132
			2,4,6-Tribromophenol	150	143.77	96		44	137
			Terphenyl-d14	100	122.03	122		48	125
P3637-02MSD	ETGI - 370MSD	BM047279.D	2-Fluorophenol	150	132.87	89		10	139
			Phenol-d6	150	116.92	78		10	134
			Nitrobenzene-d5	100	92.31	92		49	133
			2-Fluorobiphenyl	100	99.28	99		52	132
			2,4,6-Tribromophenol	150	153.64	102		44	137
			Terphenyl-d14	100	125.87	126	*	48	125
PB162806TB	PB162806TB	BM047274.D	2-Fluorophenol	150	114.67	76		10	139
			Phenol-d6	150	103.20	69		10	134
			Nitrobenzene-d5	100	75.82	76		49	133
			2-Fluorobiphenyl	100	82.67	83		52	132
			2,4,6-Tribromophenol	150	119.20	79		44	137
			Terphenyl-d14	100	96.54	97		48	125
PB162861BL	PB162861BL	BM047275.D	2-Fluorophenol	150	117.44	78		10	139
			Phenol-d6	150	104.47	70		10	134
			Nitrobenzene-d5	100	75.79	76		49	133
			2-Fluorobiphenyl	100	82.94	83		52	132
			2,4,6-Tribromophenol	150	122.33	82		44	137
			Terphenyl-d14	100	91.50	91		48	125
PB162861BS	PB162861BS	BM047276.D	2-Fluorophenol	150	118.07	79		10	139
			Phenol-d6	150	105.03	70		10	134
			Nitrobenzene-d5	100	77.85	78		49	133
			2-Fluorobiphenyl	100	87.06	87		52	132
			2,4,6-Tribromophenol	150	122.09	81		44	137
			Terphenyl-d14	100	110.73	111		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM082024

Lab Code: CHEM

SAS No.: BM082024 SDG NO.: BM082024

Lab File ID: BM047262.D

DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.4
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	31.4
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	38.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	10.5
442	Greater than 50% of mass 198	68.7
443	15.0 - 24.0% of mass 442	13 (19) 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	BM047263.D	08/20/2024	09:11
PB162798BL	PB162798BL	BM047264.D	08/20/2024	09:51
PB162798BS	PB162798BS	BM047265.D	08/20/2024	10:30
932-K1-SD-0-0.5-081524	P3643-01	BM047266.D	08/20/2024	11:28
932-K1-SD-0-0.5-081524MS	P3643-02MS	BM047267.D	08/20/2024	12:07
932-K1-SD-0-0.5-081524MSD	P3643-03MSD	BM047268.D	08/20/2024	12:47
932-K1-SD-0.5-1.0-081524	P3643-04	BM047269.D	08/20/2024	13:27
918-J-SD-0.5-1.0-081524	P3643-08	BM047270.D	08/20/2024	14:06
924-K1-SD-0-0.5-081524	P3643-09	BM047271.D	08/20/2024	14:46

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM082024

Lab Code: CHEM

SAS No.: BM082024

SDG NO.: BM082024

Lab File ID: BM047272.D

DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_M

DFTPP Injection Time: 15:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.7
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	58.4
443	15.0 - 24.0% of mass 442	11.6 (19.8) 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	BM047273.D	08/20/2024	16:55
PB162806TB	PB162806TB	BM047274.D	08/20/2024	17:36
PB162861BL	PB162861BL	BM047275.D	08/20/2024	18:16
PB162861BS	PB162861BS	BM047276.D	08/20/2024	18:56
ETGI - 370	P3637-02	BM047277.D	08/20/2024	19:35
ETGI - 370MS	P3637-02MS	BM047278.D	08/20/2024	20:15
ETGI - 370MSD	P3637-02MSD	BM047279.D	08/20/2024	20:55
914-J-WS-081524	P3645-01	BM047280.D	08/20/2024	21:34
916-J-WS-081524	P3645-02	BM047281.D	08/20/2024	22:14
LIVONIA-SOIL	P3652-01	BM047282.D	08/20/2024	22:54
LIVONIA-SOILMS	P3652-01MS	BM047283.D	08/20/2024	23:34
LIVONIA-SOILMSD	P3652-01MSD	BM047284.D	08/21/2024	00:13
921-J-SD-0-0.5-081524-FD	P3643-13	BM047285.D	08/21/2024	00:53
917-J-SD-0-0.5-081524	P3643-05	BM047286.D	08/21/2024	01:33
921-J-SD-0-0.5-081524	P3643-11	BM047287.D	08/21/2024	02:12
926-KI-SD-0-0.5-081224	P3580-01	BM047288.D	08/21/2024	02:52