

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM082324 SAS No.: BM082324 SDG No.: BM082324

Instrument ID: BNA_M Calibration Date/Time: 8/23/2024 1:10:09

Lab File ID: BM047326.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	0.499		-15.993	
Pyridine	1.360	1.213		-10.809	
2-Fluorophenol	1.119	1.073		-4.111	
Benzaldehyde	0.904	0.820		-9.292	
Aniline	1.458	1.326		-9.053	
Phenol-d6	1.542	1.417		-8.106	
Phenol	1.539	1.391		-9.617	20.0
bis(2-Chloroethyl)ether	1.318	1.199		-9.029	
2-Chlorophenol	1.221	1.177		-3.604	
1,2-Dichlorobenzene	1.386	1.362		-1.732	
1,3-Dichlorobenzene	1.451	1.446		-0.345	
1,4-Dichlorobenzene	1.469	1.461		-0.545	20.0
Benzyl Alcohol	1.098	1.010		-8.015	
2-Methylphenol	1.027	0.979		-4.674	
2,2-oxybis(1-Chloropropane)	1.691	1.440		-14.843	
Acetophenone	0.483	0.477		-1.242	
3+4-Methylphenols	1.435	1.342		-6.481	
n-Nitroso-di-n-propylamine	1.039	0.904	0.050	-12.993	
Nitrobenzene-d5	0.397	0.373		-6.045	
Hexachloroethane	0.569	0.544		-4.394	
Nitrobenzene	0.400	0.383		-4.25	
Isophorone	0.692	0.694		0.289	
2-Nitrophenol	0.177	0.196		10.734	20.0
2,4-Dimethylphenol	0.207	0.217		4.831	
bis(2-Chloroethoxy)methane	0.435	0.427		-1.839	
2,4-Dichlorophenol	0.308	0.340		10.39	20.0
1,2,4-Trichlorobenzene	0.348	0.382		9.77	
Benzoic acid	0.241	0.264		9.544	
Naphthalene	0.996	1.001		0.502	
4-Chloroaniline	0.383	0.383		0.0	
Hexachlorobutadiene	0.204	0.242		18.627	20.0
Caprolactam	0.107	0.110		2.804	
4-Chloro-3-methylphenol	0.328	0.335		2.134	20.0
2-Methylnaphthalene	0.709	0.724		2.116	
Hexachlorocyclopentadiene	0.190	0.199	0.050	4.737	
2,4,6-Trichlorophenol	0.388	0.429		10.567	20.0
2-Fluorobiphenyl	1.297	1.340		3.315	
2,4,5-Trichlorophenol	0.430	0.482		12.093	
1,1-Biphenyl	1.424	1.436		0.843	

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Instrument ID: BNA_M Calibration Date/Time: 8/23/2024 1:10:09

Lab File ID: BM047326.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
2-Chloronaphthalene	1.113	1.110		-0.27	
2-Nitroaniline	0.349	0.333		-4.585	
Dimethylphthalate	1.397	1.441		3.15	
Acenaphthylene	1.640	1.651		0.671	
2,6-Dinitrotoluene	0.327	0.341		4.281	
3-Nitroaniline	0.327	0.328		0.306	
Acenaphthene	1.041	1.042		0.096	20.0
2,4-Dinitrophenol	0.196	0.216	0.050	10.204	
4-Nitrophenol	0.282	0.263	0.050	-6.738	
Dibenzofuran	1.644	1.659		0.912	
2,4-Dinitrotoluene	0.436	0.457		4.817	
Diethylphthalate	1.426	1.441		1.052	
4-Chlorophenyl-phenylether	0.646	0.689		6.656	
Fluorene	1.356	1.378		1.622	
4-Nitroaniline	0.322	0.317		-1.553	
4,6-Dinitro-2-methylphenol	0.117	0.136		16.239	
n-Nitrosodiphenylamine	0.545	0.546		0.183	20.0
Azobenzene	1.352	1.241		-8.21	
2,4,6-Tribromophenol	0.232	0.258		11.207	
4-Bromophenyl-phenylether	0.193	0.208		7.772	
Hexachlorobenzene	0.231	0.245		6.061	
Atrazine	0.164	0.186		13.415	
Pentachlorophenol	0.162	0.175		8.025	20.0
Phenanthrene	1.004	0.989		-1.494	
Anthracene	0.977	0.985		0.819	
Carbazole	0.997	0.978		-1.906	
Di-n-butylphthalate	1.160	1.178		1.552	
Fluoranthene	1.221	1.245		1.966	20.0
Benzidine	0.339	0.607		79.056	
Pyrene	1.428	1.469		2.871	
Terphenyl-d14	0.933	1.080		15.756	
Butylbenzylphthalate	0.583	0.622		6.69	
3,3-Dichlorobenzidine	0.415	0.480		15.663	
Benzo(a)anthracene	1.328	1.336		0.602	
Chrysene	1.260	1.244		-1.27	
Bis(2-ethylhexyl)phthalate	0.826	0.866		4.843	
Di-n-octyl phthalate	1.405	1.535		9.253	20.0
Benzo(b)fluoranthene	1.188	1.221		2.778	
Benzo(k)fluoranthene	1.122	1.146		2.139	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM082324 SAS No.: BM082324 SDG No.: BM082324

Instrument ID: BNA_M Calibration Date/Time: 8/23/2024 1:10:09

Lab File ID: BM047326.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	1.049		1.944	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.194		-7.657	
Dibenzo(a,h)anthracene	1.046	0.968		-7.457	
Benzo(g,h,i)perylene	1.086	0.983		-9.484	
1,2,4,5-Tetrachlorobenzene	0.546	0.620		13.553	
1,4-Dioxane	0.464	0.438		-5.603	20.0
2,3,4,6-Tetrachlorophenol	0.354	0.394		11.299	
1-Methylnaphthalene	0.701	0.712		1.569	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM082324 SAS No.: BM082324 SDG No.: BM082324
Instrument ID: BNA_M Calibration Date/Time: 8/23/2024 1: 20:47
Lab File ID: BM047342.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.594	0.455		-23.401	50.0
Pyridine	1.360	1.084		-20.294	50.0
2-Fluorophenol	1.119	1.031		-7.864	50.0
Benzaldehyde	0.904	0.858		-5.088	50.0
Aniline	1.458	1.239		-15.021	50.0
Phenol-d6	1.542	1.362		-11.673	50.0
Phenol	1.539	1.353		-12.086	50.0
bis(2-Chloroethyl)ether	1.318	1.140		-13.505	50.0
2-Chlorophenol	1.221	1.144		-6.306	50.0
1,2-Dichlorobenzene	1.386	1.352		-2.453	50.0
1,3-Dichlorobenzene	1.451	1.440		-0.758	50.0
1,4-Dichlorobenzene	1.469	1.451		-1.225	50.0
Benzyl Alcohol	1.098	0.962		-12.386	50.0
2-Methylphenol	1.027	0.933		-9.153	50.0
2,2-oxybis(1-Chloropropane)	1.691	1.365		-19.279	50.0
Acetophenone	0.483	0.463		-4.141	50.0
3+4-Methylphenols	1.435	1.288		-10.244	50.0
n-Nitroso-di-n-propylamine	1.039	0.845	0.050	-18.672	50.0
Nitrobenzene-d5	0.397	0.366		-7.809	50.0
Hexachloroethane	0.569	0.483		-15.114	50.0
Nitrobenzene	0.400	0.375		-6.25	50.0
Isophorone	0.692	0.658		-4.913	50.0
2-Nitrophenol	0.177	0.183		3.39	50.0
2,4-Dimethylphenol	0.207	0.211		1.932	50.0
bis(2-Chloroethoxy)methane	0.435	0.407		-6.437	50.0
2,4-Dichlorophenol	0.308	0.343		11.364	50.0
1,2,4-Trichlorobenzene	0.348	0.395		13.506	50.0
Benzoic acid	0.241	0.254		5.394	50.0
Naphthalene	0.996	1.008		1.205	50.0
4-Chloroaniline	0.383	0.368		-3.916	50.0
Hexachlorobutadiene	0.204	0.254		24.51	50.0
Caprolactam	0.107	0.102		-4.673	50.0
4-Chloro-3-methylphenol	0.328	0.325		-0.915	50.0
2-Methylnaphthalene	0.709	0.719		1.41	50.0
Hexachlorocyclopentadiene	0.190	0.029	0.050	-84.737	50.0
2,4,6-Trichlorophenol	0.388	0.438		12.887	50.0
2-Fluorobiphenyl	1.297	1.337		3.084	50.0
2,4,5-Trichlorophenol	0.430	0.485		12.791	50.0
1,1-Biphenyl	1.424	1.442		1.264	50.0

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Lab Name: CHEMTECH Contract: _____
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Instrument ID: BNA_M Calibration Date/Time: 8/23/2024 1: 20:47
Lab File ID: BM047342.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.113	1.129		1.438	50.0
2-Nitroaniline	0.349	0.326		-6.59	50.0
Dimethylphthalate	1.397	1.384		-0.931	50.0
Acenaphthylene	1.640	1.640		0.0	50.0
2,6-Dinitrotoluene	0.327	0.327		0.0	50.0
3-Nitroaniline	0.327	0.321		-1.835	50.0
Acenaphthene	1.041	1.034		-0.672	50.0
2,4-Dinitrophenol	0.196	0.025	0.050	-87.245	50.0
4-Nitrophenol	0.282	0.237	0.050	-15.957	50.0
Dibenzofuran	1.644	1.647		0.182	50.0
2,4-Dinitrotoluene	0.436	0.417		-4.358	50.0
Diethylphthalate	1.426	1.369		-3.997	50.0
4-Chlorophenyl-phenylether	0.646	0.683		5.728	50.0
Fluorene	1.356	1.320		-2.655	50.0
4-Nitroaniline	0.322	0.298		-7.453	50.0
4,6-Dinitro-2-methylphenol	0.117	0.024		-79.487	50.0
n-Nitrosodiphenylamine	0.545	0.589		8.073	50.0
Azobenzene	1.352	1.180		-12.722	50.0
2,4,6-Tribromophenol	0.232	0.243		4.741	50.0
4-Bromophenyl-phenylether	0.193	0.226		17.098	50.0
Hexachlorobenzene	0.231	0.257		11.255	50.0
Atrazine	0.164	0.173		5.488	50.0
Pentachlorophenol	0.162	0.166		2.469	50.0
Phenanthrene	1.004	0.988		-1.594	50.0
Anthracene	0.977	0.989		1.228	50.0
Carbazole	0.997	0.938		-5.918	50.0
Di-n-butylphthalate	1.160	1.184		2.069	50.0
Fluoranthene	1.221	1.050		-14.005	50.0
Benzidine	0.339	0.504		48.673	50.0
Pyrene	1.428	1.760		23.249	50.0
Terphenyl-d14	0.933	1.329		42.444	50.0
Butylbenzylphthalate	0.583	0.730		25.214	50.0
3,3-Dichlorobenzidine	0.415	0.499		20.241	50.0
Benzo(a)anthracene	1.328	1.347		1.431	50.0
Chrysene	1.260	1.271		0.873	50.0
Bis(2-ethylhexyl)phthalate	0.826	0.963		16.586	50.0
Di-n-octyl phthalate	1.405	1.587		12.954	50.0
Benzo(b)fluoranthene	1.188	1.164		-2.02	50.0
Benzo(k)fluoranthene	1.122	1.109		-1.159	50.0

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EPA Sample No.: SSTDCCC040EC 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	1.037		0.777	50.0
Indeno(1,2,3-cd)pyrene	1.293	1.339		3.558	50.0
Dibenzo(a,h)anthracene	1.046	1.081		3.346	50.0
Benzo(g,h,i)perylene	1.086	1.138		4.788	50.0
1,2,4,5-Tetrachlorobenzene	0.546	0.651		19.231	50.0
1,4-Dioxane	0.464	0.397		-14.44	50.0
2,3,4,6-Tetrachlorophenol	0.354	0.383		8.192	50.0
1-Methylnaphthalene	0.701	0.702		0.143	50.0

All other compounds must meet a minimum RRF of 0.010.

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:	PB162815BL	SDG No.:	BM082324
Lab Sample ID:	PB162815BL	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
BM047327.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

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:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162815BL	SDG No.:	BM082324
Lab Sample ID:	PB162815BL	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
BM047327.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

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:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162815BL	SDG No.:	BM082324
Lab Sample ID:	PB162815BL	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
BM047327.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

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	117.174		18-112		78	SPK: -150
13127-88-3	Phenol-d6	106.204		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	75.004		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	79.522		20-109		80	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:	PB162815BL	SDG No.:	BM082324
Lab Sample ID:	PB162815BL	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
BM047327.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.199		10-116		89	SPK: -150
1718-51-0	Terphenyl-d14	92.704		10-105		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	315846	7.351				
1146-65-2	Naphthalene-d8	1133981	10.104				
15067-26-2	Acenaphthene-d10	773133	14.01				
1517-22-2	Phenanthrene-d10	1691306	16.774				
1719-03-5	Chrysene-d12	1674916	21.015				
1520-96-3	Perylene-d12	1753650	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.563	

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:	PB162815BS	SDG No.:	BM082324
Lab Sample ID:	PB162815BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047328.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.7	270	330	ug/Kg
110-86-1	Pyridine	850		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	470		180	270	330	ug/Kg
62-53-3	Aniline	800		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	1400		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	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		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	1300		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		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	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	900		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg

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:	PB162815BS	SDG No.:	BM082324
Lab Sample ID:	PB162815BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047328.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1300		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3800	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81	130	170	ug/Kg
Total PAH	Total PAH	23900		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2600		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)	2800		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1300		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.3	130	170	ug/Kg

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:	PB162815BS	SDG No.:	BM082324
Lab Sample ID:	PB162815BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047328.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

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	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	730		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		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	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		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	1500		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	930		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.414		18-112		78	SPK: -150
13127-88-3	Phenol-d6	108.524		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	73.796		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	80.448		20-109		80	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:	PB162815BS	SDG No.:	BM082324
Lab Sample ID:	PB162815BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047328.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.742		10-116		84	SPK: -150
1718-51-0	Terphenyl-d14	103.361		10-105		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	365144	7.351				
1146-65-2	Naphthalene-d8	1352668	10.104				
15067-26-2	Acenaphthene-d10	879695	14.015				
1517-22-2	Phenanthrene-d10	1828572	16.78				
1719-03-5	Chrysene-d12	1460918	21.021				
1520-96-3	Perylene-d12	1376891	23.709				

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BL	SDG No.:	BM082324
Lab Sample ID:	PB162905BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047329.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

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

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BL	SDG No.:	BM082324
Lab Sample ID:	PB162905BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047329.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	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	84.3	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	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	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BL	SDG No.:	BM082324
Lab Sample ID:	PB162905BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047329.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	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	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	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	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.785		18-112		78	SPK: -150
13127-88-3	Phenol-d6	106.016		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	74.931		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	80.371		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BL	SDG No.:	BM082324
Lab Sample ID:	PB162905BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047329.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.689		10-116		89	SPK: -150
1718-51-0	Terphenyl-d14	93.388		10-105		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	320220	7.351				
1146-65-2	Naphthalene-d8	1157209	10.104				
15067-26-2	Acenaphthene-d10	777741	14.01				
1517-22-2	Phenanthrene-d10	1727040	16.774				
1719-03-5	Chrysene-d12	1660936	21.015				
1520-96-3	Perylene-d12	1676885	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.563	

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BS	SDG No.:	BM082324
Lab Sample ID:	PB162905BS	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
BM047330.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.8	270	330	ug/Kg
110-86-1	Pyridine	850		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	490		180	270	330	ug/Kg
62-53-3	Aniline	800		96.9	130	170	ug/Kg
108-95-2	Phenol	1400		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1300		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	880		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BS	SDG No.:	BM082324
Lab Sample ID:	PB162905BS	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
BM047330.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		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	1300		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81.1	130	170	ug/Kg
Total PAH	Total PAH	23900		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2600		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2800		169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	130	170	ug/Kg
86-73-7	Fluorene	1400		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1300		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BS	SDG No.:	BM082324
Lab Sample ID:	PB162905BS	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
BM047330.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2800	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1400		84	130	170	ug/Kg
120-12-7	Anthracene	1500		84.4	130	170	ug/Kg
86-74-8	Carbazole	1400		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	130	170	ug/Kg
92-87-5	Benzidine	730		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	130	170	ug/Kg
218-01-9	Chrysene	1400		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	940		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.537		18-112		78	SPK: -150
13127-88-3	Phenol-d6	109.607		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	73.59		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	78.577		20-109		79	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162905BS	SDG No.:	BM082324
Lab Sample ID:	PB162905BS	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
BM047330.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.777		10-116		85	SPK: -150
1718-51-0	Terphenyl-d14	100.297		10-105		100	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	354570	7.351				
1146-65-2	Naphthalene-d8	1330022	10.104				
15067-26-2	Acenaphthene-d10	887399	14.016				
1517-22-2	Phenanthrene-d10	1865779	16.78				
1719-03-5	Chrysene-d12	1576984	21.021				
1520-96-3	Perylene-d12	1490911	23.709				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-11-080724RE	SDG No.:	BM082324
Lab Sample ID:	P3518-21RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	30.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047331.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	390	480	ug/Kg
110-86-1	Pyridine	120	U	120	190	240	ug/Kg
100-52-7	Benzaldehyde	260	U	260	390	480	ug/Kg
62-53-3	Aniline	140	U	140	190	240	ug/Kg
108-95-2	Phenol	120	U	120	190	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	190	240	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	190	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	190	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	190	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	190	240	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	390	480	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	190	240	ug/Kg
98-86-2	Acetophenone	130	U	130	190	240	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	390	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58	U	58	120	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	190	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	190	240	ug/Kg
78-59-1	Isophorone	120	U	120	190	240	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	190	240	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	190	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	190	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	190	240	ug/Kg
65-85-0	Benzoic acid	340	U	340	390	480	ug/Kg
91-20-3	Naphthalene	120	U	120	190	240	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	190	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	190	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-11-080724RE	SDG No.:	BM082324
Lab Sample ID:	P3518-21RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	30.7
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
BM047331.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	390	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	190	240	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	190	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	390	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	190	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	190	240	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	190	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	190	240	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	190	240	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	190	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	190	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	190	240	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	190	240	ug/Kg
83-32-9	Acenaphthene	120	U	120	190	240	ug/Kg
Total PAH	Total PAH	1910	U	1910	190	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	390	480	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	390	480	ug/Kg
132-64-9	Dibenzofuran	120	U	120	190	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	190	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	190	240	ug/Kg
84-66-2	Diethylphthalate	120	U	120	190	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	190	240	ug/Kg
86-73-7	Fluorene	120	U	120	190	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	190	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	390	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	190	240	ug/Kg
103-33-3	Azobenzene	110	U	110	190	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	240	ug/Kg
1912-24-9	Atrazine	130	U	130	190	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-11-080724RE	SDG No.:	BM082324
Lab Sample ID:	P3518-21RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	30.7
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
BM047331.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	390	480	ug/Kg
85-01-8	Phenanthrene	120	U	120	190	240	ug/Kg
120-12-7	Anthracene	120	U	120	190	240	ug/Kg
86-74-8	Carbazole	120	U	120	190	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	190	240	ug/Kg
206-44-0	Fluoranthene	250		120	190	240	ug/Kg
92-87-5	Benzidine	230	U	230	390	480	ug/Kg
129-00-0	Pyrene	210	J	120	190	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	190	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	390	480	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	190	240	ug/Kg
218-01-9	Chrysene	120	J	110	190	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	190	240	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	390	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	120	190	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	190	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	190	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	190	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	190	240	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	190	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	190	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.697		18-112		48	SPK: -150
13127-88-3	Phenol-d6	70.003		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	47.034		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	36.426		20-109		36	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-11-080724RE	SDG No.:	BM082324
Lab Sample ID:	P3518-21RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	30.7
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
BM047331.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.457		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	40.613		10-105		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	277753	7.351				
1146-65-2	Naphthalene-d8	1028963	10.104				
15067-26-2	Acenaphthene-d10	685603	14.01				
1517-22-2	Phenanthrene-d10	1451576	16.774				
1719-03-5	Chrysene-d12	1307088	21.015				
1520-96-3	Perylene-d12	1239770	23.703				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-09-080724	SDG No.:	BM082324
Lab Sample ID:	P3518-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
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
BM047332.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

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	56.8	U	56.8	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-09-080724	SDG No.:	BM082324
Lab Sample ID:	P3518-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
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
BM047332.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

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	120	U	120	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	1860	U	1860	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-09-080724	SDG No.:	BM082324
Lab Sample ID:	P3518-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
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
BM047332.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

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	140	J	120	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	140	J	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	120	J	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	110	U	110	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.233		18-112		57	SPK: -150
13127-88-3	Phenol-d6	81.114		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	55.719		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	50.775		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-09-080724	SDG No.:	BM082324
Lab Sample ID:	P3518-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.1
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
BM047332.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	pb162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.604		10-116		64	SPK: -150
1718-51-0	Terphenyl-d14	52.356		10-105		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	312262	7.351				
1146-65-2	Naphthalene-d8	1150287	10.104				
15067-26-2	Acenaphthene-d10	753100	14.01				
1517-22-2	Phenanthrene-d10	1599304	16.774				
1719-03-5	Chrysene-d12	1324942	21.015				
1520-96-3	Perylene-d12	1245652	23.709				

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.:	BM082324
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
BM047333.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		97.5	300	370	ug/Kg
110-86-1	Pyridine	1200		89.7	150	190	ug/Kg
100-52-7	Benzaldehyde	1200		200	300	370	ug/Kg
62-53-3	Aniline	1400		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		97.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	1600		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)	1400		100	150	190	ug/Kg
98-86-2	Acetophenone	1600		97.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1500		89.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		45.3	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	1500		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	1600		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		93.5	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.:	BM082324
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
BM047333.D	1	8/19/2024 12:00:00 AM	8/23/2024 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	1700		87	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		92.6	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4900	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	1600		98.1	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1600		93.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	1600		110	150	190	ug/Kg
131-11-3	Dimethylphthalate	1700		91.7	150	190	ug/Kg
208-96-8	Acenaphthylene	1700		97.1	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		93.4	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	29200		1483.7	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	1600		94.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		190.2	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		96.1	150	190	ug/Kg
86-73-7	Fluorene	1600		96	150	190	ug/Kg
100-01-6	4-Nitroaniline	1500		120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		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	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-SOILMS	SDG No.:	BM082324
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
BM047333.D	1	8/19/2024 12:00:00 AM	8/23/2024 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	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	2700		180	300	370	ug/Kg
129-00-0	Pyrene	2400		93.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	2100		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	1800		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	1800		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	1900		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	1900		97.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	1300		120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		83.9	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1500		93.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.646		18-112		67	SPK: -150
13127-88-3	Phenol-d6	95.031		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	66.337		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	72.716		20-109		73	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.:	BM082324
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
BM047333.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.945		10-116		73	SPK: -150
1718-51-0	Terphenyl-d14	98.942		10-105		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	334232	7.351				
1146-65-2	Naphthalene-d8	1242968	10.104				
15067-26-2	Acenaphthene-d10	804051	14.01				
1517-22-2	Phenanthrene-d10	1621671	16.774				
1719-03-5	Chrysene-d12	1089141	21.021				
1520-96-3	Perylene-d12	1156252	23.709				

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.:	BM082324
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
BM047334.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		97.5	300	370	ug/Kg
110-86-1	Pyridine	1200		89.8	150	190	ug/Kg
100-52-7	Benzaldehyde	1200		200	300	370	ug/Kg
62-53-3	Aniline	1400		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	1700		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	1300		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.:	BM082324
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
BM047334.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		97.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		87.1	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		92.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	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	1600		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	1700		93.5	150	190	ug/Kg
99-09-2	3-Nitroaniline	1400		100	150	190	ug/Kg
83-32-9	Acenaphthene	1700		91.1	150	190	ug/Kg
Total PAH	Total PAH	29800		1484.1	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	3100	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	1700		94.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		96.8	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		190.3	150	380	ug/Kg
84-66-2	Diethylphthalate	1600		90	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		96.2	150	190	ug/Kg
86-73-7	Fluorene	1700		96	150	190	ug/Kg
100-01-6	4-Nitroaniline	1500		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		91.7	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.:	BM082324
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
BM047334.D	1	8/19/2024 12:00:00 AM	8/23/2024 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	1900		91.8	150	190	ug/Kg
92-87-5	Benzidine	3000		180	300	370	ug/Kg
129-00-0	Pyrene	2400		93.2	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	2100		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	2000		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	1900		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	1900		97.5	150	190	ug/Kg
123-91-1	1,4-Dioxane	1300		120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		83.9	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	1600		93.5	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.951		18-112		69	SPK: -150
13127-88-3	Phenol-d6	97.918		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	67.874		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	74.757		20-109		75	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.:	BM082324
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
BM047334.D	1	8/19/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.511		10-116		76	SPK: -150
1718-51-0	Terphenyl-d14	98.969		10-105		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	329291	7.351				
1146-65-2	Naphthalene-d8	1229856	10.104				
15067-26-2	Acenaphthene-d10	795359	14.01				
1517-22-2	Phenanthrene-d10	1650914	16.78				
1719-03-5	Chrysene-d12	1153613	21.021				
1520-96-3	Perylene-d12	1171246	23.709				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	DNB-47-COMPOSITE	SDG No.:	BM082324
Lab Sample ID:	P3686-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BM047335.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	98.9	U	98.9	310	380	ug/Kg
110-86-1	Pyridine	91	U	91	150	190	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	380	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	94.5	U	94.5	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.4	U	95.4	150	190	ug/Kg
95-57-8	2-Chlorophenol	95.1	U	95.1	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	96.4	U	96.4	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	98	U	98	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	98.6	U	98.6	150	190	ug/Kg
100-51-6	Benzyl Alcohol	94.6	U	94.6	310	380	ug/Kg
95-48-7	2-Methylphenol	91.8	U	91.8	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	99	U	99	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.9	U	90.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.9	U	45.9	91.2	91.2	ug/Kg
67-72-1	Hexachloroethane	94.6	U	94.6	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	96.4	U	96.4	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	97.8	U	97.8	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86	U	86	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	97.3	U	97.3	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	380	ug/Kg
91-20-3	Naphthalene	94.1	U	94.1	150	190	ug/Kg
106-47-8	4-Chloroaniline	94.1	U	94.1	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.9	U	94.9	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	DNB-47-COMPOSITE	SDG No.:	BM082324
Lab Sample ID:	P3686-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BM047335.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	98.9	U	98.9	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.3	U	88.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	94	U	94	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.4	U	81.4	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84.3	U	84.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	99.6	U	99.6	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.9	U	94.9	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	93.1	U	93.1	150	190	ug/Kg
208-96-8	Acenaphthylene	98.6	U	98.6	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.8	U	94.8	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	92.4	U	92.4	150	190	ug/Kg
Total PAH	Total PAH	3370	U	1514	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	96.2	U	96.2	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	93	U	193	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.2	U	98.2	150	190	ug/Kg
84-66-2	Diethylphthalate	91.3	U	91.3	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.5	U	97.5	150	190	ug/Kg
86-73-7	Fluorene	97.4	U	97.4	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	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93	U	93	150	190	ug/Kg
103-33-3	Azobenzene	90.7	U	90.7	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.9	U	89.9	150	190	ug/Kg
118-74-1	Hexachlorobenzene	96.9	U	96.9	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	DNB-47-COMPOSITE	SDG No.:	BM082324
Lab Sample ID:	P3686-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BM047335.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	88.1	U	88.1	310	380	ug/Kg
85-01-8	Phenanthrene	630		95.7	150	190	ug/Kg
120-12-7	Anthracene	150	J	96.2	150	190	ug/Kg
86-74-8	Carbazole	91.5	U	91.5	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	96.1	U	96.1	150	190	ug/Kg
206-44-0	Fluoranthene	580		93.1	150	190	ug/Kg
92-87-5	Benzidine	190	U	190	310	380	ug/Kg
129-00-0	Pyrene	580		94.6	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	260		92	150	190	ug/Kg
218-01-9	Chrysene	240		90.6	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	130	U	130	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	290		92.4	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	94.1	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	250		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	89	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	92.5	U	92.5	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	J	91.3	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.9	U	98.9	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.1	U	85.1	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	94.8	U	94.8	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	56.546		18-112		38	SPK: -150
13127-88-3	Phenol-d6	53.31		15-107		36	SPK: -150
4165-60-0	Nitrobenzene-d5	36.059		18-107		36	SPK: -100
321-60-8	2-Fluorobiphenyl	32.76		20-109		33	SPK: -100

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	DNB-47-COMPOSITE	SDG No.:	BM082324
Lab Sample ID:	P3686-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.3
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
BM047335.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	62.356		10-116		42	SPK: -150
1718-51-0	Terphenyl-d14	41.924		10-105		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	293707	7.351				
1146-65-2	Naphthalene-d8	1075250	10.104				
15067-26-2	Acenaphthene-d10	688959	14.01				
1517-22-2	Phenanthrene-d10	1385929	16.774				
1719-03-5	Chrysene-d12	988260	21.015				
1520-96-3	Perylene-d12	1008594	23.703				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	96.1	A			4.563	
000244-99-5	5H-Indeno[1,2-b]pyridine	79	J			17.192	
002531-84-2	Phenanthrene, 2-methyl-	190	J			17.709	
000203-64-5	4H-Cyclopenta[def]phenanthrene	120	J			17.845	

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BM082324
Lab Sample ID:	P3694-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047336.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55	U	55	170	210	ug/Kg
110-86-1	Pyridine	50.7	U	50.7	82.4	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.4	U	61.4	82.4	110	ug/Kg
108-95-2	Phenol	52.6	U	52.6	82.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.1	U	53.1	82.4	110	ug/Kg
95-57-8	2-Chlorophenol	52.9	U	52.9	82.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.6	U	53.6	82.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.5	U	54.5	82.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.8	U	54.8	82.4	110	ug/Kg
100-51-6	Benzyl Alcohol	52.6	U	52.6	170	210	ug/Kg
95-48-7	2-Methylphenol	51.1	U	51.1	82.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.6	U	57.6	82.4	110	ug/Kg
98-86-2	Acetophenone	55.1	U	55.1	82.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.6	U	50.6	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.6	U	25.6	50.7	50.7	ug/Kg
67-72-1	Hexachloroethane	52.6	U	52.6	82.4	110	ug/Kg
98-95-3	Nitrobenzene	57.6	U	57.6	82.4	110	ug/Kg
78-59-1	Isophorone	53.6	U	53.6	82.4	110	ug/Kg
88-75-5	2-Nitrophenol	59.9	U	59.9	82.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.1	U	59.1	82.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.4	U	54.4	82.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.9	U	47.9	82.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.1	U	54.1	82.4	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.4	U	52.4	82.4	110	ug/Kg
106-47-8	4-Chloroaniline	52.4	U	52.4	82.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.8	U	52.8	82.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BM082324
Lab Sample ID:	P3694-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047336.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55	U	55	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.1	U	49.1	82.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.3	U	52.3	82.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	98.9	U	98.9	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.3	U	45.3	82.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.9	U	46.9	82.4	110	ug/Kg
92-52-4	1,1-Biphenyl	55.4	U	55.4	82.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.8	U	52.8	82.4	110	ug/Kg
88-74-4	2-Nitroaniline	60.2	U	60.2	82.4	110	ug/Kg
131-11-3	Dimethylphthalate	51.8	U	51.8	82.4	110	ug/Kg
208-96-8	Acenaphthylene	54.8	U	54.8	82.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.7	U	52.7	82.4	110	ug/Kg
99-09-2	3-Nitroaniline	56.6	U	56.6	82.4	110	ug/Kg
83-32-9	Acenaphthene	51.4	U	51.4	82.4	110	ug/Kg
Total PAH	Total PAH	840.2	U	840.2	82.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.5	U	73.5	170	210	ug/Kg
132-64-9	Dibenzofuran	53.5	U	53.5	82.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	107.4	U	107.4	82.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.7	U	54.7	82.4	110	ug/Kg
84-66-2	Diethylphthalate	50.8	U	50.8	82.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.3	U	54.3	82.4	110	ug/Kg
86-73-7	Fluorene	54.2	U	54.2	82.4	110	ug/Kg
100-01-6	4-Nitroaniline	67.8	U	67.8	82.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.2	U	74.2	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.7	U	51.7	82.4	110	ug/Kg
103-33-3	Azobenzene	50.5	U	50.5	82.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50	U	50	82.4	110	ug/Kg
118-74-1	Hexachlorobenzene	53.9	U	53.9	82.4	110	ug/Kg
1912-24-9	Atrazine	57.9	U	57.9	82.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BM082324
Lab Sample ID:	P3694-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047336.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49	U	49	170	210	ug/Kg
85-01-8	Phenanthrene	83.4	J	53.3	82.4	110	ug/Kg
120-12-7	Anthracene	53.5	U	53.5	82.4	110	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	82.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.4	U	53.4	82.4	110	ug/Kg
206-44-0	Fluoranthene	110		51.8	82.4	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	100	J	52.6	82.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.4	U	61.4	82.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.5	U	62.5	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.5	J	51.2	82.4	110	ug/Kg
218-01-9	Chrysene	52.4	J	50.4	82.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.7	U	57.7	82.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69.7	U	69.7	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	61.8	J	51.4	82.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.4	U	52.4	82.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	59	U	59	82.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49.5	U	49.5	82.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.5	U	51.5	82.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50.8	U	50.8	82.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55	U	55	82.4	110	ug/Kg
123-91-1	1,4-Dioxane	69.7	U	69.7	82.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.4	U	47.4	82.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.7	U	52.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.534		18-112		45	SPK: -150
13127-88-3	Phenol-d6	62.099		15-107		41	SPK: -150
4165-60-0	Nitrobenzene-d5	43.602		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	45.233		20-109		45	SPK: -100

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	Kingsland-Driveway	SDG No.:	BM082324
Lab Sample ID:	P3694-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047336.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	74.598		10-116		50	SPK: -150
1718-51-0	Terphenyl-d14	58.687		10-105		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	313177	7.351				
1146-65-2	Naphthalene-d8	1131631	10.104				
15067-26-2	Acenaphthene-d10	728289	14.01				
1517-22-2	Phenanthrene-d10	1478729	16.774				
1719-03-5	Chrysene-d12	1073976	21.015				
1520-96-3	Perylene-d12	1091778	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	43.7	J			3.263	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	60	A			4.563	
000770-35-4	1-Phenoxypropan-2-ol	43.7	J			10.869	
000057-10-3	n-Hexadecanoic acid	170	J			17.715	
000057-11-4	Octadecanoic acid	86.2	J			19.015	
000295-17-0	Cyclotetradecane	80.3	J			20.75	

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	HD-01-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3698-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.7
Sample Wt/Vol:	50.06	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
BM047337.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.3	U	58.3	180	220	ug/Kg
110-86-1	Pyridine	53.6	U	53.6	87.2	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65	U	65	87.2	110	ug/Kg
108-95-2	Phenol	55.6	U	55.6	87.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.2	U	56.2	87.2	110	ug/Kg
95-57-8	2-Chlorophenol	56	U	56	87.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.8	U	56.8	87.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	57.7	U	57.7	87.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	58	U	58	87.2	110	ug/Kg
100-51-6	Benzyl Alcohol	55.7	U	55.7	180	220	ug/Kg
95-48-7	2-Methylphenol	54.1	U	54.1	87.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61	U	61	87.2	110	ug/Kg
98-86-2	Acetophenone	58.3	U	58.3	87.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	53.6	U	53.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27	U	27	53.7	53.7	ug/Kg
67-72-1	Hexachloroethane	55.7	U	55.7	87.2	110	ug/Kg
98-95-3	Nitrobenzene	60.9	U	60.9	87.2	110	ug/Kg
78-59-1	Isophorone	56.8	U	56.8	87.2	110	ug/Kg
88-75-5	2-Nitrophenol	63.4	U	63.4	87.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	62.5	U	62.5	87.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	57.6	U	57.6	87.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50.7	U	50.7	87.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.3	U	57.3	87.2	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	55.4	U	55.4	87.2	110	ug/Kg
106-47-8	4-Chloroaniline	55.4	U	55.4	87.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.9	U	55.9	87.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	HD-01-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3698-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.7
Sample Wt/Vol:	50.06	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
BM047337.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.3	U	58.3	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	U	52	87.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	55.4	U	55.4	87.2	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47.9	U	47.9	87.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49.7	U	49.7	87.2	110	ug/Kg
92-52-4	1,1-Biphenyl	58.7	U	58.7	87.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.9	U	55.9	87.2	110	ug/Kg
88-74-4	2-Nitroaniline	63.8	U	63.8	87.2	110	ug/Kg
131-11-3	Dimethylphthalate	54.8	U	54.8	87.2	110	ug/Kg
208-96-8	Acenaphthylene	58	U	58	87.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	55.8	U	55.8	87.2	110	ug/Kg
99-09-2	3-Nitroaniline	59.9	U	59.9	87.2	110	ug/Kg
83-32-9	Acenaphthene	54.4	U	54.4	87.2	110	ug/Kg
Total PAH	Total PAH	889.2	U	889.2	87.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	77.8	U	77.8	180	220	ug/Kg
132-64-9	Dibenzofuran	56.6	U	56.6	87.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.8	U	57.8	87.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.6	U	113.6	87.2	220	ug/Kg
84-66-2	Diethylphthalate	53.8	U	53.8	87.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.4	U	57.4	87.2	110	ug/Kg
86-73-7	Fluorene	57.4	U	57.4	87.2	110	ug/Kg
100-01-6	4-Nitroaniline	71.8	U	71.8	87.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	78.5	U	78.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	54.8	U	54.8	87.2	110	ug/Kg
103-33-3	Azobenzene	53.4	U	53.4	87.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52.9	U	52.9	87.2	110	ug/Kg
118-74-1	Hexachlorobenzene	57	U	57	87.2	110	ug/Kg
1912-24-9	Atrazine	61.3	U	61.3	87.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	HD-01-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3698-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.7
Sample Wt/Vol:	50.06	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
BM047337.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	51.9	U	51.9	180	220	ug/Kg
85-01-8	Phenanthrene	56.4	U	56.4	87.2	110	ug/Kg
120-12-7	Anthracene	56.6	U	56.6	87.2	110	ug/Kg
86-74-8	Carbazole	53.9	U	53.9	87.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	56.6	U	56.6	87.2	110	ug/Kg
206-44-0	Fluoranthene	83.9	J	54.8	87.2	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	93.1	J	55.7	87.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	65	U	65	87.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.2	U	66.2	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.2	U	54.2	87.2	110	ug/Kg
218-01-9	Chrysene	53.4	U	53.4	87.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.1	U	61.1	87.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	73.8	U	73.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.4	J	54.4	87.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.4	U	55.4	87.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.4	U	62.4	87.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52.4	U	52.4	87.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.5	U	54.5	87.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53.8	U	53.8	87.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.3	U	58.3	87.2	110	ug/Kg
123-91-1	1,4-Dioxane	73.8	U	73.8	87.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.1	U	50.1	87.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	55.8	U	55.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	34.326		18-112		23	SPK: -150
13127-88-3	Phenol-d6	31.3		15-107		21	SPK: -150
4165-60-0	Nitrobenzene-d5	21.308		18-107		21	SPK: -100
321-60-8	2-Fluorobiphenyl	23.102		20-109		23	SPK: -100

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	HD-01-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3698-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.7
Sample Wt/Vol:	50.06	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
BM047337.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	34.939		10-116		23	SPK: -150
1718-51-0	Terphenyl-d14	28.626		10-105		29	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	325935	7.351				
1146-65-2	Naphthalene-d8	1171996	10.104				
15067-26-2	Acenaphthene-d10	747085	14.01				
1517-22-2	Phenanthrene-d10	1470486	16.774				
1719-03-5	Chrysene-d12	1013640	21.015				
1520-96-3	Perylene-d12	1092958	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000629-50-5	Tridecane	71.6	J			11.557	
066563-30-2	Bacchotricuneatin c	71.4	J			12.845	
062238-11-3	Decane, 2,3,5-trimethyl-	81	J			13.939	
000544-76-3	Hexadecane	82.1	J			14.904	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	120	J			15.774	
000629-94-7	Heneicosane	79.4	J			16.568	
055045-09-5	Tridecane, 7-propyl-	68	J			17.309	
000057-10-3	n-Hexadecanoic acid	140	J			17.715	
000112-95-8	Eicosane	55.3	J			18.003	
054833-23-7	Eicosane, 10-methyl-	96.2	J			18.645	
004764-72-1	15-Octadecenoic acid, methyl ester	57.3	J			18.674	
000057-11-4	Octadecanoic acid	77.8	J			19.015	

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BM082324
Lab Sample ID:	P3704-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.01	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
BM047338.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.3	U	56.3	180	210	ug/Kg
110-86-1	Pyridine	51.8	U	51.8	84.3	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	210	ug/Kg
62-53-3	Aniline	62.8	U	62.8	84.3	110	ug/Kg
108-95-2	Phenol	53.8	U	53.8	84.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.3	U	54.3	84.3	110	ug/Kg
95-57-8	2-Chlorophenol	54.2	U	54.2	84.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.9	U	54.9	84.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.8	U	55.8	84.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.1	U	56.1	84.3	110	ug/Kg
100-51-6	Benzyl Alcohol	53.8	U	53.8	180	210	ug/Kg
95-48-7	2-Methylphenol	52.3	U	52.3	84.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59	U	59	84.3	110	ug/Kg
98-86-2	Acetophenone	56.4	U	56.4	84.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.8	U	51.8	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.1	U	26.1	51.9	51.9	ug/Kg
67-72-1	Hexachloroethane	53.8	U	53.8	84.3	110	ug/Kg
98-95-3	Nitrobenzene	58.9	U	58.9	84.3	110	ug/Kg
78-59-1	Isophorone	54.9	U	54.9	84.3	110	ug/Kg
88-75-5	2-Nitrophenol	61.3	U	61.3	84.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.4	U	60.4	84.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.6	U	55.6	84.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	84.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.4	U	55.4	84.3	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	210	ug/Kg
91-20-3	Naphthalene	53.6	U	53.6	84.3	110	ug/Kg
106-47-8	4-Chloroaniline	53.6	U	53.6	84.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	54	U	54	84.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BM082324
Lab Sample ID:	P3704-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.01 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
BM047338.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.3	U	56.3	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.3	U	50.3	84.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.5	U	53.5	84.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.3	U	46.3	84.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48	U	48	84.3	110	ug/Kg
92-52-4	1,1-Biphenyl	56.7	U	56.7	84.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	84.3	110	ug/Kg
88-74-4	2-Nitroaniline	61.6	U	61.6	84.3	110	ug/Kg
131-11-3	Dimethylphthalate	53	U	53	84.3	110	ug/Kg
208-96-8	Acenaphthylene	56.1	U	56.1	84.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54	U	54	84.3	110	ug/Kg
99-09-2	3-Nitroaniline	57.8	U	57.8	84.3	110	ug/Kg
83-32-9	Acenaphthene	52.6	U	52.6	84.3	110	ug/Kg
Total PAH	Total PAH	859.3	U	859.3	84.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	210	ug/Kg
100-02-7	4-Nitrophenol	75.2	U	75.2	180	210	ug/Kg
132-64-9	Dibenzofuran	54.7	U	54.7	84.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.9	U	55.9	84.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.9	U	109.9	84.3	220	ug/Kg
84-66-2	Diethylphthalate	51.9	U	51.9	84.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.5	U	55.5	84.3	110	ug/Kg
86-73-7	Fluorene	55.4	U	55.4	84.3	110	ug/Kg
100-01-6	4-Nitroaniline	69.4	U	69.4	84.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.9	U	75.9	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.9	U	52.9	84.3	110	ug/Kg
103-33-3	Azobenzene	51.6	U	51.6	84.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.2	U	51.2	84.3	110	ug/Kg
118-74-1	Hexachlorobenzene	55.1	U	55.1	84.3	110	ug/Kg
1912-24-9	Atrazine	59.3	U	59.3	84.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BM082324
Lab Sample ID:	P3704-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.01	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
BM047338.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.1	U	50.1	180	210	ug/Kg
85-01-8	Phenanthrene	54.5	U	54.5	84.3	110	ug/Kg
120-12-7	Anthracene	54.7	U	54.7	84.3	110	ug/Kg
86-74-8	Carbazole	52.1	U	52.1	84.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.7	U	54.7	84.3	110	ug/Kg
206-44-0	Fluoranthene	53	U	53	84.3	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	210	ug/Kg
129-00-0	Pyrene	57.3	J	53.8	84.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.8	U	62.8	84.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.9	U	63.9	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	52.3	U	52.3	84.3	110	ug/Kg
218-01-9	Chrysene	51.6	U	51.6	84.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59	U	59	84.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.3	U	71.3	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.6	U	52.6	84.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	53.6	U	53.6	84.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.3	U	60.3	84.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.6	U	50.6	84.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.7	U	52.7	84.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.9	U	51.9	84.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.3	U	56.3	84.3	110	ug/Kg
123-91-1	1,4-Dioxane	71.3	U	71.3	84.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.4	U	48.4	84.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	54	U	54	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	61.1		18-112		41	SPK: -150
13127-88-3	Phenol-d6	54.695		15-107		36	SPK: -150
4165-60-0	Nitrobenzene-d5	37.647		18-107		38	SPK: -100
321-60-8	2-Fluorobiphenyl	37.612		20-109		38	SPK: -100

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	LNG-Soil Pile	SDG No.:	BM082324
Lab Sample ID:	P3704-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.5
Sample Wt/Vol:	50.01 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
BM047338.D	1	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.672		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	85.466		10-105		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	301322	7.351				
1146-65-2	Naphthalene-d8	1096098	10.104				
15067-26-2	Acenaphthene-d10	698971	14.01				
1517-22-2	Phenanthrene-d10	1391374	16.774				
1719-03-5	Chrysene-d12	944443	21.015				
1520-96-3	Perylene-d12	1003451	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	53.6	A			4.563	
000057-10-3	n-Hexadecanoic acid	150	J			17.715	
000057-11-4	Octadecanoic acid	100	J			19.015	
000297-03-0	Cyclotetracosane	67.9	J			20.75	

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:	SP-1-COMP	SDG No.:	BM082324
Lab Sample ID:	P3640-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047339.D	1	8/16/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95.7	U	95.7	300	360	ug/Kg
110-86-1	Pyridine	88.1	U	88.1	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.4	U	91.4	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.2	U	92.2	140	190	ug/Kg
95-57-8	2-Chlorophenol	92	U	92	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.2	U	93.2	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.8	U	94.8	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.3	U	95.3	140	190	ug/Kg
100-51-6	Benzyl Alcohol	91.5	U	91.5	300	360	ug/Kg
95-48-7	2-Methylphenol	88.8	U	88.8	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	95.8	U	95.8	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.9	U	87.9	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.4	U	44.4	88.2	88.2	ug/Kg
67-72-1	Hexachloroethane	91.5	U	91.5	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	93.2	U	93.2	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	94.6	U	94.6	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.2	U	83.2	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.1	U	94.1	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	91	U	91	140	190	ug/Kg
106-47-8	4-Chloroaniline	91	U	91	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.8	U	91.8	140	190	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:	SP-1-COMP	SDG No.:	BM082324
Lab Sample ID:	P3640-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047339.D	1	8/16/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95.7	U	95.7	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.4	U	85.4	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.9	U	90.9	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.7	U	78.7	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.6	U	81.6	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.3	U	96.3	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.8	U	91.8	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	90	U	90	140	190	ug/Kg
208-96-8	Acenaphthylene	95.3	U	95.3	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.7	U	91.7	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.3	U	98.3	140	190	ug/Kg
83-32-9	Acenaphthene	89.4	U	89.4	140	190	ug/Kg
Total PAH	Total PAH	1457.8	U	1457.8	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	93	U	93	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	86.7	U	186.7	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95	U	95	140	190	ug/Kg
84-66-2	Diethylphthalate	88.3	U	88.3	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.3	U	94.3	140	190	ug/Kg
86-73-7	Fluorene	94.2	U	94.2	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.9	U	89.9	140	190	ug/Kg
103-33-3	Azobenzene	87.7	U	87.7	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87	U	87	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93.7	U	93.7	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	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:	SP-1-COMP	SDG No.:	BM082324
Lab Sample ID:	P3640-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047339.D	1	8/16/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.2	U	85.2	300	360	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	140	190	ug/Kg
120-12-7	Anthracene	93	U	93	140	190	ug/Kg
86-74-8	Carbazole	88.5	U	88.5	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.9	U	92.9	140	190	ug/Kg
206-44-0	Fluoranthene	120	J	90	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	120	J	91.5	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	88.9	U	88.9	140	190	ug/Kg
218-01-9	Chrysene	87.6	U	87.6	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210		100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.4	U	89.4	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91	U	91	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.1	U	86.1	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.5	U	89.5	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88.3	U	88.3	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.7	U	95.7	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.3	U	82.3	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91.7	U	91.7	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.158		18-112		54	SPK: -150
13127-88-3	Phenol-d6	77.344		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	54.431		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	58.169		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:	SP-1-COMP	SDG No.:	BM082324
Lab Sample ID:	P3640-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047339.D	1	8/16/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	80.343		10-116		54	SPK: -150
1718-51-0	Terphenyl-d14	79.55		10-105		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	358758	7.351				
1146-65-2	Naphthalene-d8	1309368	10.104				
15067-26-2	Acenaphthene-d10	858693	14.01				
1517-22-2	Phenanthrene-d10	1697237	16.774				
1719-03-5	Chrysene-d12	1175655	21.015				
1520-96-3	Perylene-d12	1231489	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	140	J			3.257	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			4.563	
000770-35-4	1-Phenoxypropan-2-ol	150	J			10.869	
000057-10-3	n-Hexadecanoic acid	240	J			17.715	
015594-90-8	1-Heneicosanol	320	J			20.75	
018835-35-3	Nonacos-1-ene	190	J			21.762	

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	OR-03-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3703-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.07	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
BM047340.D	2	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	430	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	350	430	ug/Kg
62-53-3	Aniline	130	U	130	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	350	430	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.7	U	52.7	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	98.8	U	98.8	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	310	U	310	350	430	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	OR-03-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3703-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.07	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
BM047340.D	2	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.4	U	93.4	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96.8	U	96.8	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	260		110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	220	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	220	ug/Kg
Total PAH	Total PAH	6600	U	1740	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	350	430	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	430	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg



Client:				Date Collected:	8/21/2024 12:00:00 AM	
Project:				Date Received:	8/21/2024 12:00:00 AM	
Client Sample ID:	OR-03-8-21-2024			SDG No.:	BM082324	
Lab Sample ID:	P3703-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	8.4	
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047340.D	2	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	350	430	ug/Kg
85-01-8	Phenanthrene	770		110	170	220	ug/Kg
120-12-7	Anthracene	260		110	170	220	ug/Kg
86-74-8	Carbazole	110	U	110	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	940		110	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	430	ug/Kg
129-00-0	Pyrene	1300		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	590		110	170	220	ug/Kg
218-01-9	Chrysene	600		100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	550		110	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	230		110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	530		120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250		100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320		100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97.7	U	97.7	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	128.57		18-112		86	SPK: -150
13127-88-3	Phenol-d6	117.728		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	79.934		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	88.55		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	OR-03-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3703-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.07	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
BM047340.D	2	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.904		10-116		88	SPK: -150
1718-51-0	Terphenyl-d14	108.946	*	10-105		109	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158832	7.351				
1146-65-2	Naphthalene-d8	579423	10.104				
15067-26-2	Acenaphthene-d10	360726	14.01				
1517-22-2	Phenanthrene-d10	672467	16.774				
1719-03-5	Chrysene-d12	457243	21.015				
1520-96-3	Perylene-d12	514316	23.709				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-14-2	R-(-)-1,2-propanediol	110	J			3.263	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			4.569	
000770-35-4	1-Phenoxypropan-2-ol	95.9	J			10.875	
	unknown14.245	330	J			14.245	
	unknown14.263	420	J			14.263	
000132-65-0	Dibenzothiophene	110	J			16.598	
1000383-55-1	2-Methyldibenzothiophene	96.4	J			17.357	
000832-69-9	Phenanthrene, 1-methyl-	280	J			17.657	
002531-84-2	Phenanthrene, 2-methyl-	520	J			17.709	
000610-48-0	Anthracene, 1-methyl-	150	J			17.786	
000203-64-5	4H-Cyclopenta[def]phenanthrene	480	J			17.845	
004505-48-0	1H-Indene, 2-phenyl-	230	J			17.886	
003674-66-6	Phenanthrene, 2,5-dimethyl-	310	J			18.592	
001576-67-6	Phenanthrene, 3,6-dimethyl-	140	J			18.651	
000781-43-1	9,10-Dimethylantracene	190	J			18.733	
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	98.1	J			19.009	
000243-17-4	11H-Benzo[b]fluorene	150	J			19.556	
003442-78-2	Pyrene, 2-methyl-	110	J			19.692	
000238-84-6	11H-Benzo[a]fluorene	160	J			19.727	

Report of Analysis

Client:		Date Collected:	8/21/2024 12:00:00 AM
Project:		Date Received:	8/21/2024 12:00:00 AM
Client Sample ID:	OR-03-8-21-2024	SDG No.:	BM082324
Lab Sample ID:	P3703-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047340.D	2	8/22/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162905

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
002381-21-7	Pyrene, 1-methyl-	110	J			19.886	

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	EO-01-08222024	SDG No.:	BM082324
Lab Sample ID:	P3714-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047341.D	2	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	420	ug/Kg
110-86-1	Pyridine	100	U	100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	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	110	U	110	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	420	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	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.9	U	50.9	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	95.3	U	95.3	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	420	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	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	EO-01-08222024	SDG No.:	BM082324
Lab Sample ID:	P3714-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047341.D	2	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.8	U	97.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.1	U	90.1	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.4	U	93.4	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	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	1658.6	U	1658.6	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	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	140	U	140	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	100	U	100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.6	U	99.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	EO-01-08222024	SDG No.:	BM082324
Lab Sample ID:	P3714-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047341.D	2	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.5	U	97.5	340	420	ug/Kg
85-01-8	Phenanthrene	190	J	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	210		100	160	210	ug/Kg
92-87-5	Benzidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	320		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	420	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	100	160	210	ug/Kg
218-01-9	Chrysene	150	J	100	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	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	J	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	150	J	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.6	U	98.6	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	110	J	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	94.3	U	94.3	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	43.74		18-112		29	SPK: -150
13127-88-3	Phenol-d6	39.924		15-107		27	SPK: -150
4165-60-0	Nitrobenzene-d5	28.016		18-107		28	SPK: -100
321-60-8	2-Fluorobiphenyl	32.158		20-109		32	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	EO-01-08222024	SDG No.:	BM082324
Lab Sample ID:	P3714-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047341.D	2	8/23/2024 12:00:00 AM	8/23/2024 12:00:00 AM	PB162936

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	45.398		10-116		30	SPK: -150
1718-51-0	Terphenyl-d14	43.77		10-105		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	362100	7.351				
1146-65-2	Naphthalene-d8	1313411	10.104				
15067-26-2	Acenaphthene-d10	856632	14.01				
1517-22-2	Phenanthrene-d10	1635051	16.78				
1719-03-5	Chrysene-d12	1049488	21.015				
1520-96-3	Perylene-d12	1177115	23.715				
TENTATIVE IDENTIFIED COMPOUNDS							
000112-39-0	Hexadecanoic acid, methyl ester	90.9	J			17.486	
000613-12-7	Anthracene, 2-methyl-	190	J			17.71	
1000336-54-1	Butyl 9,12-octadecadienoate	120	J			18.639	
056554-49-5	16-Octadecenoic acid, methyl ester	220	J			18.674	

Hit Summary Sheet SW-846

SDG No.: BM082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-TS-09-080724								
P3518-17	OU4-TS-09-080724	Solid	Benzo(b)fluoranthene	120.000	J	110	240	ug/Kg
P3518-17	OU4-TS-09-080724	Solid	Fluoranthene	140.000	J	120	240	ug/Kg
P3518-17	OU4-TS-09-080724	Solid	Pyrene	140.000	J	120	240	ug/Kg
Total Svoc :				400.00				
Total Concentration:				400.00				
Client ID : OU4-TS-11-080724RE								
P3518-21RE	OU4-TS-11-080724RE	Solid	Benzo(b)fluoranthene	160.000	J	120	240	ug/Kg
P3518-21RE	OU4-TS-11-080724RE	Solid	Chrysene	120.000	J	110	240	ug/Kg
P3518-21RE	OU4-TS-11-080724RE	Solid	Fluoranthene	250.000		120	240	ug/Kg
P3518-21RE	OU4-TS-11-080724RE	Solid	Pyrene	210.000	J	120	240	ug/Kg
Total Svoc :				740.00				
Total Concentration:				740.00				
Client ID : SP-1-COMP								
P3640-01	SP-1-COMP	Solid	1-Heneicosanol	*	320.000	J		
P3640-01	SP-1-COMP	Solid	1-Phenoxypropan-2-ol	*	150.000	J		
P3640-01	SP-1-COMP	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	140.000	A		
P3640-01	SP-1-COMP	Solid	n-Hexadecanoic acid	*	240.000	J		
P3640-01	SP-1-COMP	Solid	Nonacos-1-ene	*	190.000	J		
P3640-01	SP-1-COMP	Solid	Propylene Glycol	*	140.000	J		
Total Tics :				1,180.00				
P3640-01	SP-1-COMP	Solid	Bis(2-ethylhexyl)phthalate		210.000		100	190 ug/Kg
P3640-01	SP-1-COMP	Solid	Fluoranthene		120.000	J	90	190 ug/Kg
P3640-01	SP-1-COMP	Solid	Pyrene		120.000	J	91.5	190 ug/Kg
Total Svoc :				450.00				
Total Concentration:				1,630.00				
Client ID : DNB-47-COMPOSITE								
P3686-02	DNB-47-COMPOSITE	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	96.100	A		
P3686-02	DNB-47-COMPOSITE	Solid	4H-Cyclopenta[def]phenanthrene	*	120.000	J		
P3686-02	DNB-47-COMPOSITE	Solid	5H-Indeno[1,2-b]pyridine	*	79.000	J		
P3686-02	DNB-47-COMPOSITE	Solid	Phenanthrene, 2-methyl-	*	190.000	J		
Total Tics :				485.10				
P3686-02	DNB-47-COMPOSITE	Solid	Anthracene		150.000	J	96.2	190 ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Benzo(a)anthracene		260.000		92	190 ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Benzo(a)pyrene		250.000		110	190 ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Benzo(b)fluoranthene		290.000		92.4	190 ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Benzo(g,h,i)perylene		160.000	J	91.3	190 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3686-02	DNB-47-COMPOSITE	Solid	Benzo(k)fluoranthene	100.000	J	94.1	190	ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Chrysene	240.000		90.6	190	ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Fluoranthene	580.000		93.1	190	ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Indeno(1,2,3-cd)pyrene	130.000	J	89	190	ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Phenanthrene	630.000		95.7	190	ug/Kg
P3686-02	DNB-47-COMPOSITE	Solid	Pyrene	580.000		94.6	190	ug/Kg
Total Svoc :				3,370.00				
Total Concentration:				3,855.10				
Client ID : Kingsland-Driveway								
P3694-01	Kingsland-Driveway	Solid	1-Phenoxypropan-2-ol	*	43.700	J		
P3694-01	Kingsland-Driveway	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	60.000	A		
P3694-01	Kingsland-Driveway	Solid	Cyclotetradecane	*	80.300	J		
P3694-01	Kingsland-Driveway	Solid	n-Hexadecanoic acid	*	170.000	J		
P3694-01	Kingsland-Driveway	Solid	Octadecanoic acid	*	86.200	J		
P3694-01	Kingsland-Driveway	Solid	Propylene Glycol	*	43.700	J		
Total Tics :				483.90				
P3694-01	Kingsland-Driveway	Solid	Benzo(a)anthracene		53.500	J	51.2	110 ug/Kg
P3694-01	Kingsland-Driveway	Solid	Benzo(b)fluoranthene		61.800	J	51.4	110 ug/Kg
P3694-01	Kingsland-Driveway	Solid	Chrysene		52.400	J	50.4	110 ug/Kg
P3694-01	Kingsland-Driveway	Solid	Fluoranthene		110.000		51.8	110 ug/Kg
P3694-01	Kingsland-Driveway	Solid	Phenanthrene		83.400	J	53.3	110 ug/Kg
P3694-01	Kingsland-Driveway	Solid	Pyrene		100.000	J	52.6	110 ug/Kg
Total Svoc :				461.10				
Total Concentration:				945.00				
Client ID : HD-01-8-21-2024								
P3698-01	HD-01-8-21-2024	Solid	15-Octadecenoic acid, methyl este	*	57.300	J		
P3698-01	HD-01-8-21-2024	Solid	Bacchotricuneatin c	*	71.400	J		
P3698-01	HD-01-8-21-2024	Solid	Carbonic acid, eicosyl vinyl ester	*	120.000	J		
P3698-01	HD-01-8-21-2024	Solid	Decane, 2,3,5-trimethyl-	*	81.000	J		
P3698-01	HD-01-8-21-2024	Solid	Eicosane	*	55.300	J		
P3698-01	HD-01-8-21-2024	Solid	Eicosane, 10-methyl-	*	96.200	J		
P3698-01	HD-01-8-21-2024	Solid	Heneicosane	*	79.400	J		
P3698-01	HD-01-8-21-2024	Solid	Hexadecane	*	82.100	J		
P3698-01	HD-01-8-21-2024	Solid	n-Hexadecanoic acid	*	140.000	J		
P3698-01	HD-01-8-21-2024	Solid	Octadecanoic acid	*	77.800	J		
P3698-01	HD-01-8-21-2024	Solid	Tridecane	*	71.600	J		
P3698-01	HD-01-8-21-2024	Solid	Tridecane, 7-propyl-	*	68.000	J		
Total Tics :				1,000.10				
P3698-01	HD-01-8-21-2024	Solid	Benzo(b)fluoranthene		57.400	J	54.4	110 ug/Kg
P3698-01	HD-01-8-21-2024	Solid	Fluoranthene		83.900	J	54.8	110 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3698-01	HD-01-8-21-2024	Solid	Pyrene	93.100	J	55.7	110	ug/Kg
Total Svoc :				234.40				
Total Concentration:				1,234.50				
Client ID : OR-03-8-21-2024								
P3703-01	OR-03-8-21-2024	Solid	1-Phenoxypropan-2-ol	*	95.900	J		
P3703-01	OR-03-8-21-2024	Solid	11H-Benzo[a]fluorene	*	160.000	J		
P3703-01	OR-03-8-21-2024	Solid	11H-Benzo[b]fluorene	*	150.000	J		
P3703-01	OR-03-8-21-2024	Solid	1H-Indene, 2-phenyl-	*	230.000	J		
P3703-01	OR-03-8-21-2024	Solid	2-Methyldibenzothiophene	*	96.400	J		
P3703-01	OR-03-8-21-2024	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	A		
P3703-01	OR-03-8-21-2024	Solid	4H-Cyclopenta[def]phenanthrene	*	480.000	J		
P3703-01	OR-03-8-21-2024	Solid	9,10-Dimethylanthracene	*	190.000	J		
P3703-01	OR-03-8-21-2024	Solid	Anthracene, 1-methyl-	*	150.000	J		
P3703-01	OR-03-8-21-2024	Solid	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	98.100	J		
P3703-01	OR-03-8-21-2024	Solid	Dibenzothiophene	*	110.000	J		
P3703-01	OR-03-8-21-2024	Solid	Phenanthrene, 1-methyl-	*	280.000	J		
P3703-01	OR-03-8-21-2024	Solid	Phenanthrene, 2,5-dimethyl-	*	310.000	J		
P3703-01	OR-03-8-21-2024	Solid	Phenanthrene, 2-methyl-	*	520.000	J		
P3703-01	OR-03-8-21-2024	Solid	Phenanthrene, 3,6-dimethyl-	*	140.000	J		
P3703-01	OR-03-8-21-2024	Solid	Pyrene, 1-methyl-	*	110.000	J		
P3703-01	OR-03-8-21-2024	Solid	Pyrene, 2-methyl-	*	110.000	J		
P3703-01	OR-03-8-21-2024	Solid	R-(-)-1,2-propanediol	*	110.000	J		
P3703-01	OR-03-8-21-2024	Solid	unknown14.245	*	330.000	J		
P3703-01	OR-03-8-21-2024	Solid	unknown14.263	*	420.000	J		
Total Tics :				4,200.40				
P3703-01	OR-03-8-21-2024	Solid	Acenaphthylene		260.000		110	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Anthracene		260.000		110	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Benzo(a)anthracene		590.000		110	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Benzo(a)pyrene		530.000		120	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Benzo(b)fluoranthene		550.000		110	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Benzo(g,h,i)perylene		320.000		100	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Benzo(k)fluoranthene		230.000		110	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Chrysene		600.000		100	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Fluoranthene		940.000		110	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Indeno(1,2,3-cd)pyrene		250.000		100	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Phenanthrene		770.000		110	ug/Kg
P3703-01	OR-03-8-21-2024	Solid	Pyrene		1,300.000		110	ug/Kg
Total Svoc :				6,600.00				
Total Concentration:				10,800.40				

Hit Summary Sheet SW-846

SDG No.: BM082324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : LNG-Soil Pile								
P3704-01	LNG-Soil Pile	Solid	2-Pentanone, 4-hydroxy-4-methyl *	53.600	A			
P3704-01	LNG-Soil Pile	Solid	Cyclotetrasiloxane *	67.900	J			
P3704-01	LNG-Soil Pile	Solid	n-Hexadecanoic acid *	150.000	J			
P3704-01	LNG-Soil Pile	Solid	Octadecanoic acid *	100.000	J			
			Total Tics :			371.50		
P3704-01	LNG-Soil Pile	Solid	Pyrene	57.300	J	53.8	110	ug/Kg
			Total Svoc :			57.30		
			Total Concentration:			428.80		
Client ID : EO-01-08222024								
P3714-01	EO-01-08222024	Solid	16-Octadecenoic acid, methyl este *	220.000	J			
P3714-01	EO-01-08222024	Solid	Anthracene, 2-methyl- *	190.000	J			
P3714-01	EO-01-08222024	Solid	Butyl 9,12-octadecadienoate *	120.000	J			
P3714-01	EO-01-08222024	Solid	Hexadecanoic acid, methyl ester *	90.900	J			
			Total Tics :			620.90		
P3714-01	EO-01-08222024	Solid	Benzo(a)anthracene	140.000	J	100	210	ug/Kg
P3714-01	EO-01-08222024	Solid	Benzo(a)pyrene	150.000	J	120	210	ug/Kg
P3714-01	EO-01-08222024	Solid	Benzo(b)fluoranthene	170.000	J	100	210	ug/Kg
P3714-01	EO-01-08222024	Solid	Benzo(g,h,i)perylene	110.000	J	100	210	ug/Kg
P3714-01	EO-01-08222024	Solid	Chrysene	150.000	J	100	210	ug/Kg
P3714-01	EO-01-08222024	Solid	Fluoranthene	210.000		100	210	ug/Kg
P3714-01	EO-01-08222024	Solid	Phenanthrene	190.000	J	110	210	ug/Kg
P3714-01	EO-01-08222024	Solid	Pyrene	320.000		100	210	ug/Kg
			Total Svoc :			1,440.00		
			Total Concentration:			2,060.90		



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

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.



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.: BM082324 SAS No.: BM082324 SDG NO.: BM082324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 10:48

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 PB162815BL	315846	7.35	1.13398e	10.10	773133	14.01
02 PB162815BS	365144	7.35	1.35267e	10.10	879695	14.02
03 PB162905BL	320220	7.35	1.15721e	10.10	777741	14.01
04 PB162905BS	354570	7.35	1.33002e	10.10	887399	14.02
05 OU4-TS-11-080724RE	277753	7.35	1.02896e	10.10	685603	14.01
06 OU4-TS-09-080724	312262	7.35	1.15029e	10.10	753100	14.01
07 LIVONIA-SOILMS	334232	7.35	1.24297e	10.10	804051	14.01
08 LIVONIA-SOILMSD	329291	7.35	1.22986e	10.10	795359	14.01
09 DNB-47-COMPOSITE	293707	7.35	1.07525e	10.10	688959	14.01
10 Kingsland-Driveway	313177	7.35	1.13163e	10.10	728289	14.01
11 HD-01-8-21-2024	325935	7.35	1.172e+0	10.10	747085	14.01
12 LNG-Soil Pile	301322	7.35	1.0961e+	10.10	698971	14.01
13 SP-1-COMP	358758	7.35	1.30937e	10.10	858693	14.01
14 OR-03-8-21-2024	158832 *	7.35	579423 *	10.10	360726 *	14.01
15 EO-01-08222024	362100	7.35	1.31341e	10.10	856632	14.01

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.: BM082324 SAS No.: BM082324 SDG NO.: BM082324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BM047326.D Time Analyzed: 10:48

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	267921	7.351	1.00773e+01	10.10	678991	14.01
UPPER LIMIT	535842	7.851	2015460	10.604	1357982	14.51
LOWER LIMIT	133960.5	6.851	503865	9.604	339495.5	13.51
EPA SAMPLE NO.						
01 PB162815BL	315846	7.35	1.13398e	10.10	773133	14.01
02 PB162815BS	365144	7.35	1.35267e	10.10	879695	14.02
03 PB162905BL	320220	7.35	1.15721e	10.10	777741	14.01
04 PB162905BS	354570	7.35	1.33002e	10.10	887399	14.02
05 OU4-TS-11-080724RE	277753	7.35	1.02896e	10.10	685603	14.01
06 OU4-TS-09-080724	312262	7.35	1.15029e	10.10	753100	14.01
07 LIVONIA-SOILMS	334232	7.35	1.24297e	10.10	804051	14.01
08 LIVONIA-SOILMSD	329291	7.35	1.22986e	10.10	795359	14.01
09 DNB-47-COMPOSITE	293707	7.35	1.07525e	10.10	688959	14.01
10 Kingsland-Driveway	313177	7.35	1.13163e	10.10	728289	14.01
11 HD-01-8-21-2024	325935	7.35	1.172e+0	10.10	747085	14.01
12 LNG-Soil Pile	301322	7.35	1.0961e+	10.10	698971	14.01
13 SP-1-COMP	358758	7.35	1.30937e	10.10	858693	14.01
14 OR-03-8-21-2024	158832	7.35	579423	10.10	360726	14.01
15 EO-01-08222024	362100	7.35	1.31341e	10.10	856632	14.01

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.: BM082324 SAS No.: BM082324 SDG NO.: BM082324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 10:48

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	PB162815BL	1.69131	16.77	1.67492e+	21.02	1.75365e+	23.71
02	PB162815BS	1.82857	16.78	1.46092e+	21.02	1.37689e+	23.71
03	PB162905BL	1.72704	16.77	1.66094e+	21.02	1.67689e+	23.71
04	PB162905BS	1.86578	16.78	1.57698e+	21.02	1.49091e+	23.71
05	OU4-TS-11-080724RE	1.45158	16.77	1.30709e+	21.02	1.23977e+	23.70
06	OU4-TS-09-080724	1.5993e	16.77	1.32494e+	21.02	1.24565e+	23.71
07	LIVONIA-SOILMS	1.62167	16.77	1.08914e+	21.02	1.15625e+	23.71
08	LIVONIA-SOILMSD	1.65091	16.78	1.15361e+	21.02	1.17125e+	23.71
09	DNB-47-COMPOSITE	1.38593	16.77	988260	21.02	1.00859e+ *	23.70
10	Kingsland-Driveway	1.47873	16.77	1.07398e+	21.02	1.09178e+	23.71
11	HD-01-8-21-2024	1.47049	16.77	1.01364e+	21.02	1.09296e+	23.71
12	LNG-Soil Pile	1.39137	16.77	944443	21.02	1.00345e+ *	23.71
13	SP-1-COMP	1.69724	16.77	1.17566e+	21.02	1.23149e+	23.71
14	OR-03-8-21-2024	672467 *	16.77	457243 *	21.02	514316 *	23.71
15	EO-01-08222024	1.63505	16.78	1.04949e+	21.02	1.17712e+	23.72

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082324 SAS No.: BM082324 SDG NO.: BM082324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 20:07

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+01	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.						

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.: BM082324 SAS No.: BM082324 SDG NO.: BM082324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BM047326.D Time Analyzed: 10:48

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	1.45659e+04	16.774	1.28172e+	21.021	1.4335e+004	23.709
	UPPER LIMIT	2913180	17.274	2563440	21.521	2867000	24.209
	LOWER LIMIT	728295	16.274	640860	20.521	716750	23.209
	EPA SAMPLE NO.						
01	PB162815BL	1.69131	16.77	1.67492e+	21.02	1.75365e+	23.71
02	PB162815BS	1.82857	16.78	1.46092e+	21.02	1.37689e+	23.71
03	PB162905BL	1.72704	16.77	1.66094e+	21.02	1.67689e+	23.71
04	PB162905BS	1.86578	16.78	1.57698e+	21.02	1.49091e+	23.71
05	OU4-TS-11-080724RE	1.45158	16.77	1.30709e+	21.02	1.23977e+	23.70
06	OU4-TS-09-080724	1.5993e	16.77	1.32494e+	21.02	1.24565e+	23.71
07	LIVONIA-SOILMS	1.62167	16.77	1.08914e+	21.02	1.15625e+	23.71
08	LIVONIA-SOILMSD	1.65091	16.78	1.15361e+	21.02	1.17125e+	23.71
09	DNB-47-COMPOSITE	1.38593	16.77	988260	21.02	1.00859e+	23.70
10	Kingsland-Driveway	1.47873	16.77	1.07398e+	21.02	1.09178e+	23.71
11	HD-01-8-21-2024	1.47049	16.77	1.01364e+	21.02	1.09296e+	23.71
12	LNG-Soil Pile	1.39137	16.77	944443	21.02	1.00345e+	23.71
13	SP-1-COMP	1.69724	16.77	1.17566e+	21.02	1.23149e+	23.71
14	OR-03-8-21-2024	672467 *	16.77	457243 *	21.02	514316 *	23.71
15	EO-01-08222024	1.63505	16.78	1.04949e+	21.02	1.17712e+	23.72

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082324 SAS No.: BM082324 SDG NO.: BM082324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BM047326.D Time Analyzed: 20:07

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	1.45659e+04	16.774	1.28172e+	21.021	1.4335e+004	23.709
UPPER LIMIT	2913180	17.274	2563440	21.521	2867000	24.209
LOWER LIMIT	728295	16.274	640860	20.521	716750	23.209
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.: **BM082324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162815BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	850	ug/Kg	50				28	98	
	Benzaldehyde	1700	470	ug/Kg	28				10	133	
	Aniline	1700	800	ug/Kg	47				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	1400	ug/Kg	82				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	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71				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	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				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	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	900	ug/Kg	53				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1300	ug/Kg	76				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3800	ug/Kg	115				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	23900	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082324**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162815BS	4-Nitrophenol	3300	2600	ug/Kg	79				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotol	3400	2800	ug/Kg	82				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99		
	Azobenzene	1700	1300	ug/Kg	76				54	103		
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102		
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98		
	Atrazine	1700	1500	ug/Kg	88				47	152		
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	730	ug/Kg	22				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135		
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137		
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109		
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	930	ug/Kg	55				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162905BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103		
	Pyridine	1700	850	ug/Kg	50				28	98		
	Benzaldehyde	1700	490	ug/Kg	29				10	133		
	Aniline	1700	800	ug/Kg	47				38	100		
	Phenol	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				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	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71				51	100		
	Acetophenone	1700	1300	ug/Kg	76				66	98		
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111		
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95		
	Hexachloroethane	1700	1300	ug/Kg	76				72	108		
	Nitrobenzene	1700	1300	ug/Kg	76				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	1500	ug/Kg	88				44	110		
	Benzoic acid	1700	1400	ug/Kg	82				10	140		
	Naphthalene	1700	1400	ug/Kg	82				62	100		
	4-Chloroaniline	1700	880	ug/Kg	52				16	100		
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98		
	Caprolactam	1700	1400	ug/Kg	82				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				45	165		
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102		
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98		
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103		
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99		
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101		
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99		
	Acenaphthylene	1700	1500	ug/Kg	88				63	101		
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104		
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
	Acenaphthene	1700	1400	ug/Kg	82				57	104		
	Total PAH	27200	23900	ug/Kg	88				57	104		
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162905BS	4-Nitrophenol	3300	2600	ug/Kg	79				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106		
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2800	ug/Kg	82				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99		
	Azobenzene	1700	1300	ug/Kg	76				54	103		
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102		
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98		
	Atrazine	1700	1500	ug/Kg	88				47	152		
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	730	ug/Kg	22				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102		
	Chrysene	1700	1400	ug/Kg	82				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135		
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137		
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109		
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109		
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101		
	1,4-Dioxane	1700	940	ug/Kg	55				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP-1-COMP

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082324

SAS No.: BM082324 SDG NO.: BM082324

Lab File ID: BM047339.D

Lab Sample ID: P3640-01

Instrument ID: BNA_M

Date Extracted: 08/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/23/2024

Level: (low/med) LOW

Time Analyzed: 18:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-1-COMP	P3640-01	BM047339.D	08/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162815BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082324

SAS No.: BM082324 SDG NO.: BM082324

Lab File ID: BM047327.D

Lab Sample ID: PB162815BL

Instrument ID: BNA_M

Date Extracted: 08/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/23/2024

Level: (low/med) LOW

Time Analyzed: 10:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162815BS	PB162815BS	BM047328.D	08/23/2024
OU4-TS-09-080724	P3518-17	BM047332.D	08/23/2024
LIVONIA-SOILMS	P3652-01MS	BM047333.D	08/23/2024
LIVONIA-SOILMSD	P3652-01MSD	BM047334.D	08/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162905BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082324

SAS No.: BM082324 SDG NO.: BM082324

Lab File ID: BM047329.D

Lab Sample ID: PB162905BL

Instrument ID: BNA_M

Date Extracted: 08/22/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/23/2024

Level: (low/med) LOW

Time Analyzed: 12:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162905BS	PB162905BS	BM047330.D	08/23/2024
DNB-47-COMPOSITE	P3686-02	BM047335.D	08/23/2024
Kingsland-Driveway	P3694-01	BM047336.D	08/23/2024
HD-01-8-21-2024	P3698-01	BM047337.D	08/23/2024
LNG-Soil Pile	P3704-01	BM047338.D	08/23/2024
OR-03-8-21-2024	P3703-01	BM047340.D	08/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EO-01-08222024

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM082324

SAS No.: BM082324 SDG NO.: BM082324

Lab File ID: BM047341.D

Lab Sample ID: P3714-01

Instrument ID: BNA_M

Date Extracted: 08/23/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/23/2024

Level: (low/med) LOW

Time Analyzed: 20:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EO-01-08222024	P3714-01	BM047341.D	08/23/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082324

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: BM047333.D							
n-Nitrosodimethylamine	1900		1300	ug/Kg	68				66	124	
Pyridine	1900		1200	ug/Kg	63				45	119	
Benzaldehyde	1900		1200	ug/Kg	63				10	86	
Aniline	1900		1400	ug/Kg	74				10	88	
Phenol	1900		1600	ug/Kg	84				67	126	
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79				54	125	
2-Chlorophenol	1900		1700	ug/Kg	89				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		1600	ug/Kg	84				47	126	
2-Methylphenol	1900		1600	ug/Kg	84				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		1500	ug/Kg	79				66	104	
N-Nitroso-di-n-propylamine	1900		1400	ug/Kg	74				59	119	
Hexachloroethane	1900		1500	ug/Kg	79				65	117	
Nitrobenzene	1900		1500	ug/Kg	79				70	119	
Isophorone	1900		1600	ug/Kg	84				76	122	
2-Nitrophenol	1900		1800	ug/Kg	95				54	145	
2,4-Dimethylphenol	1900		2100	ug/Kg	111				44	135	
bis(2-Chloroethoxy)methane	1900		1600	ug/Kg	84				68	112	
2,4-Dichlorophenol	1900		1900	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1900		1700	ug/Kg	89				57	103	
Benzoic acid	1900		1600	ug/Kg	84				50	104	
Naphthalene	1900		1600	ug/Kg	84				72	110	
4-Chloroaniline	1900		1200	ug/Kg	63				10	91	
Hexachlorobutadiene	1900		1900	ug/Kg	100				66	114	
Caprolactam	1900		1600	ug/Kg	84				51	134	
4-Chloro-3-methylphenol	1900		1700	ug/Kg	89				57	132	
2-Methylnaphthalene	1900		1600	ug/Kg	84				59	123	
Hexachlorocyclopentadiene	3700		4900	ug/Kg	132				10	175	
2,4,6-Trichlorophenol	1900		1900	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1900		1800	ug/Kg	95				72	117	
1,1-Biphenyl	1900		1600	ug/Kg	84				75	113	
2-Chloronaphthalene	1900		1600	ug/Kg	84				67	118	
2-Nitroaniline	1900		1600	ug/Kg	84				69	127	
Dimethylphthalate	1900		1700	ug/Kg	89				70	113	
Acenaphthylene	1900		1700	ug/Kg	89				79	118	
2,6-Dinitrotoluene	1900		1600	ug/Kg	84				70	125	
3-Nitroaniline	1900		1300	ug/Kg	68				30	99	
Acenaphthene	1900		1700	ug/Kg	89				70	121	
Total PAH	30400	1900	29200	ug/Kg	96				70	121	
2,4-Dinitrophenol	3700		3300	ug/Kg	89				10	155	
4-Nitrophenol	3700		2900	ug/Kg	78				45	133	
Dibenzofuran	1900		1600	ug/Kg	84				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1900		1600	ug/Kg	84				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3200	ug/Kg	84				55	128	
Diethylphthalate	1900		1600	ug/Kg	84				70	112	
4-Chlorophenyl-phenylether	1900		1700	ug/Kg	89				71	108	
Fluorene	1900		1600	ug/Kg	84				68	116	
4-Nitroaniline	1900		1500	ug/Kg	79				55	120	
4,6-Dinitro-2-methylphenol	1900		1800	ug/Kg	95				10	160	
N-Nitrosodiphenylamine	1900		1700	ug/Kg	89				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		2200	ug/Kg	116				79	127	
Pentachlorophenol	3700		3400	ug/Kg	92				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		2700	ug/Kg	73				10	119	
Pyrene	1900	360	2400	ug/Kg	107				26	142	
Butylbenzylphthalate	1900		2100	ug/Kg	111				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	1800	ug/Kg	85				57	121	
bis(2-Ethylhexyl)phthalate	1900		2000	ug/Kg	105				42	169	
Di-n-octyl phthalate	1900		1900	ug/Kg	100				23	175	
Benzo(b)fluoranthene	1900	230	1800	ug/Kg	83				67	121	
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95				57	134	
Benzo(a)pyrene	1900	190	2000	ug/Kg	95				70	142	
Indeno(1,2,3-cd)pyrene	1900	110	1900	ug/Kg	94				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		1900	ug/Kg	100				69	124	
1,4-Dioxane	1900		1300	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1900		1900	ug/Kg	100				69	112	
1-Methylnaphthalene	1900		1500	ug/Kg	79				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082324

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: BM047334.D							
n-Nitrosodimethylamine	1900		1300	ug/Kg	68		0		66	124	20
Pyridine	1900		1200	ug/Kg	63		0		45	119	20
Benzaldehyde	1900		1200	ug/Kg	63		0		10	86	20
Aniline	1900		1400	ug/Kg	74		0		10	88	20
Phenol	1900		1600	ug/Kg	84		0		67	126	20
bis(2-Chloroethyl)ether	1900		1500	ug/Kg	79		0		54	125	20
2-Chlorophenol	1900		1700	ug/Kg	89		0		79	107	20
1,2-Dichlorobenzene	1900		1700	ug/Kg	89		6		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		6		47	126	20
2-Methylphenol	1900		1600	ug/Kg	84		0		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		6		66	104	20
N-Nitroso-di-n-propylamine	1900		1400	ug/Kg	74		0		59	119	20
Hexachloroethane	1900		1600	ug/Kg	84		6		65	117	20
Nitrobenzene	1900		1500	ug/Kg	79		0		70	119	20
Isophorone	1900		1600	ug/Kg	84		0		76	122	20
2-Nitrophenol	1900		1800	ug/Kg	95		0		54	145	20
2,4-Dimethylphenol	1900		2100	ug/Kg	111		0		44	135	20
bis(2-Chloroethoxy)methane	1900		1600	ug/Kg	84		0		68	112	20
2,4-Dichlorophenol	1900		1900	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1900		1700	ug/Kg	89		0		57	103	20
Benzoic acid	1900		1700	ug/Kg	89		6		50	104	20
Naphthalene	1900		1600	ug/Kg	84		0		72	110	20
4-Chloroaniline	1900		1300	ug/Kg	68		8		10	91	20
Hexachlorobutadiene	1900		1900	ug/Kg	100		0		66	114	20
Caprolactam	1900		1700	ug/Kg	89		6		51	134	20
4-Chloro-3-methylphenol	1900		1700	ug/Kg	89		0		57	132	20
2-Methylnaphthalene	1900		1700	ug/Kg	89		6		59	123	20
Hexachlorocyclopentadiene	3700		4700	ug/Kg	127		4		10	175	20
2,4,6-Trichlorophenol	1900		1900	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1900		1800	ug/Kg	95		0		72	117	20
1,1-Biphenyl	1900		1700	ug/Kg	89		6		75	113	20
2-Chloronaphthalene	1900		1600	ug/Kg	84		0		67	118	20
2-Nitroaniline	1900		1600	ug/Kg	84		0		69	127	20
Dimethylphthalate	1900		1700	ug/Kg	89		0		70	113	20
Acenaphthylene	1900		1800	ug/Kg	95		7		79	118	20
2,6-Dinitrotoluene	1900		1700	ug/Kg	89		6		70	125	20
3-Nitroaniline	1900		1400	ug/Kg	74		8		30	99	20
Acenaphthene	1900		1700	ug/Kg	89		0		70	121	20
Total PAH	30400	1900	29800	ug/Kg	98		2		70	121	20
2,4-Dinitrophenol	3700		3300	ug/Kg	89		0		10	155	20
4-Nitrophenol	3700		3100	ug/Kg	84		7		45	133	20
Dibenzofuran	1900		1700	ug/Kg	89		6		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM082324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1900		1600	ug/Kg	84		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3800		3300	ug/Kg	87		4		55	128	20
Diethylphthalate	1900		1600	ug/Kg	84		0		70	112	20
4-Chlorophenyl-phenylether	1900		1800	ug/Kg	95		7		71	108	20
Fluorene	1900		1700	ug/Kg	89		6		68	116	20
4-Nitroaniline	1900		1500	ug/Kg	79		0		55	120	20
4,6-Dinitro-2-methylphenol	1900		1700	ug/Kg	89		7		10	160	20
N-Nitrosodiphenylamine	1900		1800	ug/Kg	95		7		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		0		79	127	20
Pentachlorophenol	3700		3400	ug/Kg	92		0		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	1900	ug/Kg	83		6		44	125	20
Benzidine	3700		3000	ug/Kg	81		10		10	119	20
Pyrene	1900	360	2400	ug/Kg	107		0		26	142	20
Butylbenzylphthalate	1900		2100	ug/Kg	111		0		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		6		57	121	20
bis(2-Ethylhexyl)phthalate	1900		2000	ug/Kg	105		0		42	169	20
Di-n-octyl phthalate	1900		2000	ug/Kg	105		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		0		57	134	20
Benzo(a)pyrene	1900	190	2000	ug/Kg	95		0		70	142	20
Indeno(1,2,3-cd)pyrene	1900	110	1900	ug/Kg	94		0		40	129	20
Dibenz(a,h)anthracene	1900		1800	ug/Kg	95		0		43	123	20
Benzo(g,h,i)perylene	1900	130	1800	ug/Kg	88		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1900		1900	ug/Kg	100		0		69	124	20
1,4-Dioxane	1900		1300	ug/Kg	68		0		46	112	20
2,3,4,6-Tetrachlorophenol	1900		1900	ug/Kg	100		0		69	112	20
1-Methylnaphthalene	1900		1600	ug/Kg	84		6		70	130	20

Surrogate Summary

SW-846

SDG No.: BM082324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3640-01	SP-1-COMP	BM047339.D	2-Fluorophenol	150	81.16	54		18	112
			Phenol-d6	150	77.34	52		15	107
			Nitrobenzene-d5	100	54.43	54		18	107
			2-Fluorobiphenyl	100	58.17	58		20	109
			2,4,6-Tribromophenol	150	80.34	54		10	116
			Terphenyl-d14	100	79.55	80		10	105

Surrogate Summary

SW-846

SDG No.: **BM082324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3518-17	OU4-TS-09-080724BM047332.D		2-Fluorophenol	150	86.23	57		18	112
			Phenol-d6	150	81.11	54		15	107
			Nitrobenzene-d5	100	55.72	56		18	107
			2-Fluorobiphenyl	100	50.78	51		20	109
			2,4,6-Tribromophenol	150	96.60	64		10	116
			Terphenyl-d14	100	52.36	52		10	105
P3518-21RE	OU4-TS-11-080724BM047331.D		2-Fluorophenol	150	72.70	48		18	112
			Phenol-d6	150	70.00	47		15	107
			Nitrobenzene-d5	100	47.03	47		18	107
			2-Fluorobiphenyl	100	36.43	36		20	109
			2,4,6-Tribromophenol	150	78.46	52		10	116
			Terphenyl-d14	100	40.61	41		10	105
P3652-01MS	LIVONIA-SOILMSBM047333.D		2-Fluorophenol	150	100.65	67		18	112
			Phenol-d6	150	95.03	63		15	107
			Nitrobenzene-d5	100	66.34	66		18	107
			2-Fluorobiphenyl	100	72.72	73		20	109
			2,4,6-Tribromophenol	150	109.95	73		10	116
			Terphenyl-d14	100	98.94	99		10	105
P3652-01MSD	LIVONIA-SOILMSBM047334.D		2-Fluorophenol	150	102.95	69		18	112
			Phenol-d6	150	97.92	65		15	107
			Nitrobenzene-d5	100	67.87	68		18	107
			2-Fluorobiphenyl	100	74.76	75		20	109
			2,4,6-Tribromophenol	150	114.51	76		10	116
			Terphenyl-d14	100	98.97	99		10	105
PB162815BL	PB162815BL	BM047327.D	2-Fluorophenol	150	117.17	78		18	112
			Phenol-d6	150	106.20	71		15	107
			Nitrobenzene-d5	100	75.00	75		18	107
			2-Fluorobiphenyl	100	79.52	80		20	109
			2,4,6-Tribromophenol	150	133.20	89		10	116
			Terphenyl-d14	100	92.70	93		10	105
PB162815BS	PB162815BS	BM047328.D	2-Fluorophenol	150	116.41	78		18	112
			Phenol-d6	150	108.52	72		15	107
			Nitrobenzene-d5	100	73.80	74		18	107
			2-Fluorobiphenyl	100	80.45	80		20	109
			2,4,6-Tribromophenol	150	126.74	84		10	116
			Terphenyl-d14	100	103.36	103		10	105

Surrogate Summary

SW-846

SDG No.: **BM082324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3686-02	DNB-47-COMPOS	BM047335.D	2-Fluorophenol	150	56.55	38		18	112
			Phenol-d6	150	53.31	36		15	107
			Nitrobenzene-d5	100	36.06	36		18	107
			2-Fluorobiphenyl	100	32.76	33		20	109
			2,4,6-Tribromophenol	150	62.36	42		10	116
			Terphenyl-d14	100	41.92	42		10	105
P3694-01	Kingsland-Drivewa	BM047336.D	2-Fluorophenol	150	67.53	45		18	112
			Phenol-d6	150	62.10	41		15	107
			Nitrobenzene-d5	100	43.60	44		18	107
			2-Fluorobiphenyl	100	45.23	45		20	109
			2,4,6-Tribromophenol	150	74.60	50		10	116
			Terphenyl-d14	100	58.69	59		10	105
P3698-01	HD-01-8-21-2024	BM047337.D	2-Fluorophenol	150	34.33	23		18	112
			Phenol-d6	150	31.30	21		15	107
			Nitrobenzene-d5	100	21.31	21		18	107
			2-Fluorobiphenyl	100	23.10	23		20	109
			2,4,6-Tribromophenol	150	34.94	23		10	116
			Terphenyl-d14	100	28.63	29		10	105
P3703-01	OR-03-8-21-2024	BM047340.D	2-Fluorophenol	150	128.57	86		18	112
			Phenol-d6	150	117.73	78		15	107
			Nitrobenzene-d5	100	79.93	80		18	107
			2-Fluorobiphenyl	100	88.55	89		20	109
			2,4,6-Tribromophenol	150	131.90	88		10	116
			Terphenyl-d14	100	108.95	109	*	10	105
P3704-01	LNG-Soil Pile	BM047338.D	2-Fluorophenol	150	61.10	41		18	112
			Phenol-d6	150	54.70	36		15	107
			Nitrobenzene-d5	100	37.65	38		18	107
			2-Fluorobiphenyl	100	37.61	38		20	109
			2,4,6-Tribromophenol	150	78.67	52		10	116
			Terphenyl-d14	100	85.47	85		10	105
PB162905BL	PB162905BL	BM047329.D	2-Fluorophenol	150	116.79	78		18	112
			Phenol-d6	150	106.02	71		15	107
			Nitrobenzene-d5	100	74.93	75		18	107
			2-Fluorobiphenyl	100	80.37	80		20	109
			2,4,6-Tribromophenol	150	133.69	89		10	116
			Terphenyl-d14	100	93.39	93		10	105
PB162905BS	PB162905BS	BM047330.D	2-Fluorophenol	150	117.54	78		18	112
			Phenol-d6	150	109.61	73		15	107
			Nitrobenzene-d5	100	73.59	74		18	107
			2-Fluorobiphenyl	100	78.58	79		20	109
			2,4,6-Tribromophenol	150	126.78	85		10	116
			Terphenyl-d14	100	100.30	100		10	105

Surrogate Summary

SW-846

SDG No.: **BM082324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3714-01	EO-01-08222024	BM047341.D	2-Fluorophenol	150	43.74	29		18	112
			Phenol-d6	150	39.92	27		15	107
			Nitrobenzene-d5	100	28.02	28		18	107
			2-Fluorobiphenyl	100	32.16	32		20	109
			2,4,6-Tribromophenol	150	45.40	30		10	116
			Terphenyl-d14	100	43.77	44		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM082324

Lab Code: CHEM

SAS No.: BM082324 SDG NO.: BM082324

Lab File ID: BM047325.D

DFTPP Injection Date: 08/23/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	30
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	37.6
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	6.6
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	10.2
442	Greater than 50% of mass 198	65
443	15.0 - 24.0% of mass 442	12.3 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM047326.D	08/23/2024	10:09
PB162815BL	PB162815BL	BM047327.D	08/23/2024	10:48
PB162815BS	PB162815BS	BM047328.D	08/23/2024	11:28
PB162905BL	PB162905BL	BM047329.D	08/23/2024	12:07
PB162905BS	PB162905BS	BM047330.D	08/23/2024	12:49
OU4-TS-11-080724RE	P3518-21RE	BM047331.D	08/23/2024	13:29
OU4-TS-09-080724	P3518-17	BM047332.D	08/23/2024	14:09
LIVONIA-SOILMS	P3652-01MS	BM047333.D	08/23/2024	14:48
LIVONIA-SOILMSD	P3652-01MSD	BM047334.D	08/23/2024	15:28
DNB-47-COMPOSITE	P3686-02	BM047335.D	08/23/2024	16:08
Kingsland-Driveway	P3694-01	BM047336.D	08/23/2024	16:48
HD-01-8-21-2024	P3698-01	BM047337.D	08/23/2024	17:27
LNG-Soil Pile	P3704-01	BM047338.D	08/23/2024	18:07
SP-1-COMP	P3640-01	BM047339.D	08/23/2024	18:47
OR-03-8-21-2024	P3703-01	BM047340.D	08/23/2024	19:27
EO-01-08222024	P3714-01	BM047341.D	08/23/2024	20:07
SSTDCCC040EC	SSTDCCC040	BM047342.D	08/23/2024	20:47